

## Appendix B

<b>3/8-inch Amsteel (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1A	1	68	65
Test 2A	2	80	65
Test 3A	3	92	65
Test 4A	4	98	65
Test Sequence Two			
Test 5A	5	61	85

Table B.1.1 Test Sequence for 3/8 in. Amsteel (Precycled)

<b>1/2-inch Amsteel (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1B	1	56	65
Test 2B	2	68	65
Test 3B	3	81	65
Test 4B	4	93	65
Test 5B	5	98	65
Test Sequence Two			
Test 6B	6	59	85
Test 7B	7	71	85
Test 8B	8	83	85
Test Sequence Three			
Test 9B	9	60	85
Test 10B	10	60	85
Test 11B	11	60	85

Table B.1.2 Test Sequence for 1/2 in. Amsteel (Precycled)

<b>3/8-inch Amsteel (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1C	1	54	65
Test 2C	2	66	65
Test 3C	3	78	65
Test 4C	4	90	65
Test Sequence Two			
Test 5C	5	54	85
Test 6C	6	54	85
Test 7C	7	54	85
Test Sequence Three			
Test 8C	8	54	65
Test 9C	9	54	65
Test 10C	10	54	65
Test 11C	11	54	65
Test Sequence Three			
Test 12C	12	54	45
Test 13C	13	54	65
Test 14C	14	54	85
Test 15C	15	54	105
Test 16C	16	54	125

Table B.1.3 Test Sequence for 3/8 in. Amsteel (New)

<b>1/2-inch Amsteel (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1D	1	54	65
Test 2D	2	66	65
Test 3D	3	78	65
Test 4D	4	90	65
Test 5D	5	96	65
Test Sequence Two			
Test 6D	6	59	85
Test 7D	7	71	85
Test Sequence Three			
Test 8D	8	59	65
Test 9D	9	59	65
Test 10D	10	59	65
Test 11D	11	59	65
Test 12D	12	59	65
Test 13D	13	59	65

Table B.1.4 Test Sequence for 1/2 in. Amsteel (New)

<b><i>3/8-inch Amsteel (7 foot)</i></b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1FF	1	64	45
Test 2FF	2	64	65
Test 3FF	3	64	105
Test 4FF	4	64	105
Test 5FF	5	64	105

Table B.1.5 Test Sequence for 3/8 in. Amsteel (7 foot)

Case 1A: Precycled 3/8 in. Amsteel (65 lbs from 68 in.)

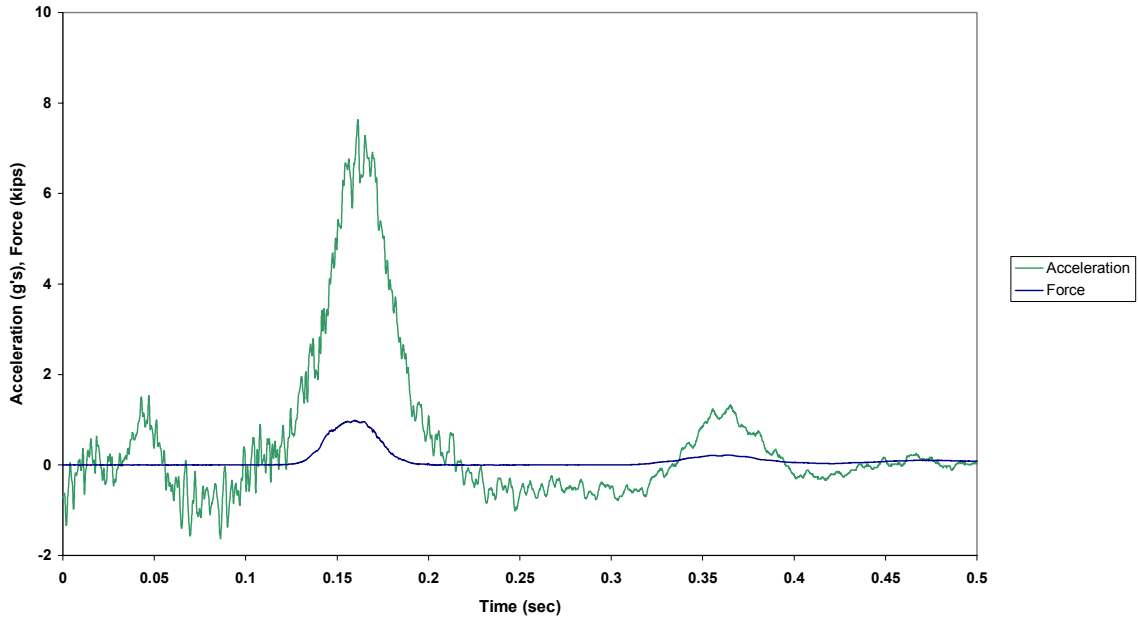


Figure B.1.1 Case 1A: Force and Acceleration vs. Time

Case 1A: Precycled 3/8 in. Amsteel (65 lbs from 68 in.)

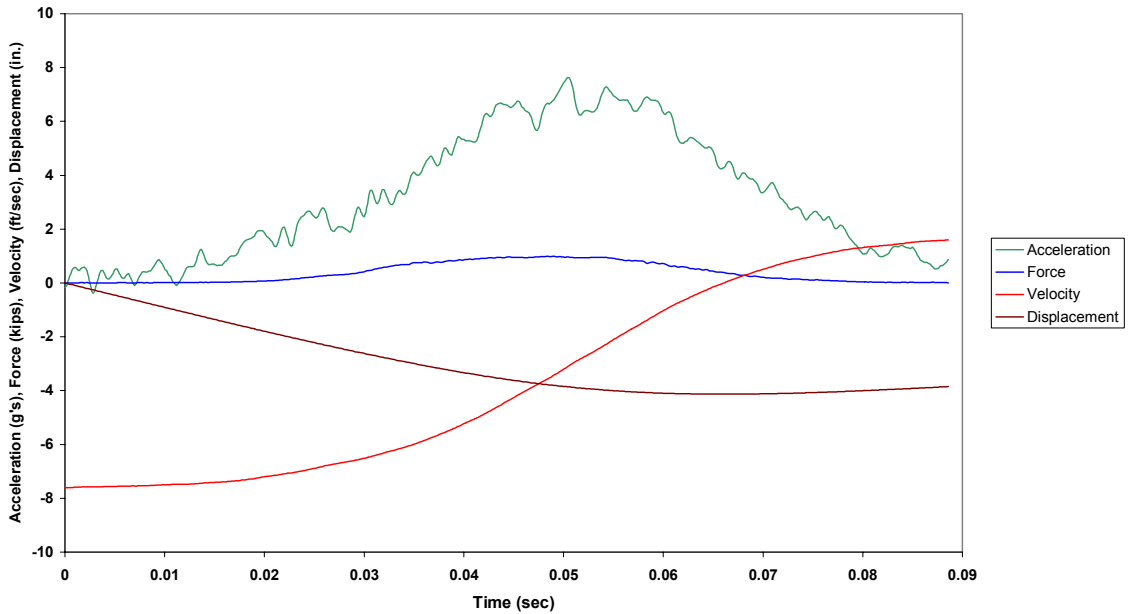


Figure B.1.2 Case 1A: Combined Plot

Case 1A: Precycled 3/8 in. Amsteel (65 lbs from 68 in.)

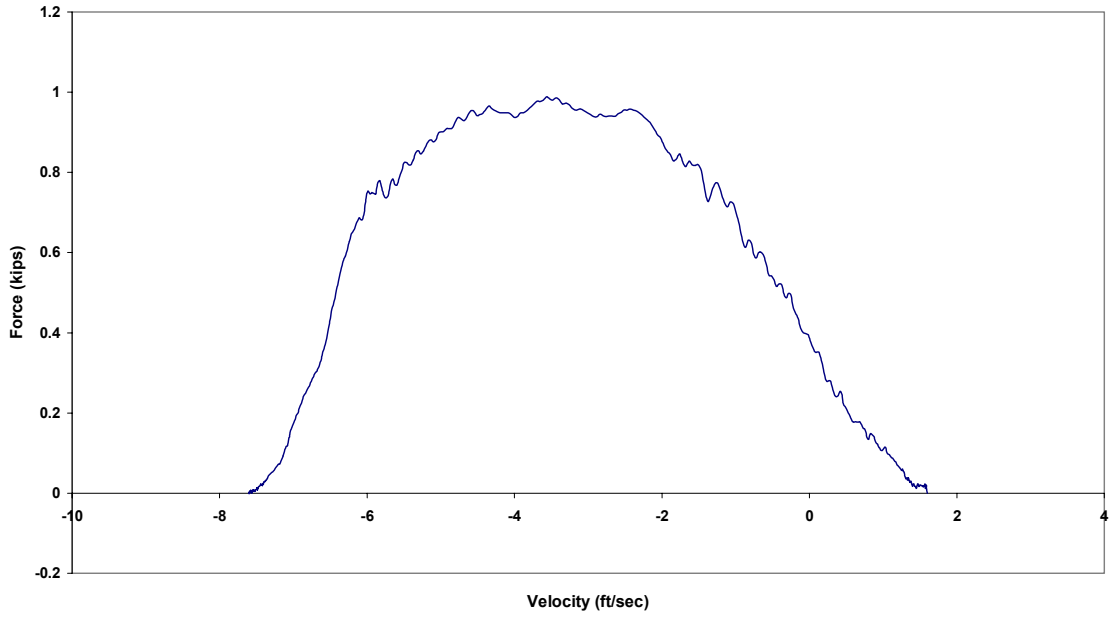


Figure B.1.3 Case 1A: Force vs. Velocity

Case 1A: Precycled 3/8 in. Amsteel (65 lbs from 68 in.)

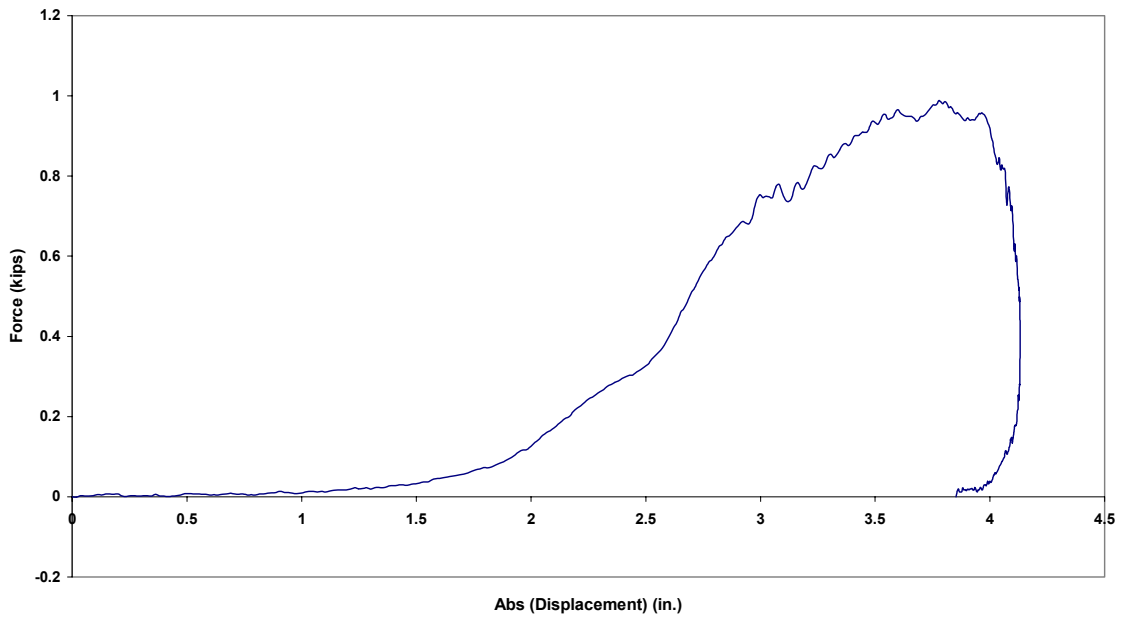


Figure B.1.4 Case 1A: Force vs. Absolute Displacement

Case 2A: Precycled 3/8 in. Amsteel (65 lb from 80 in.)

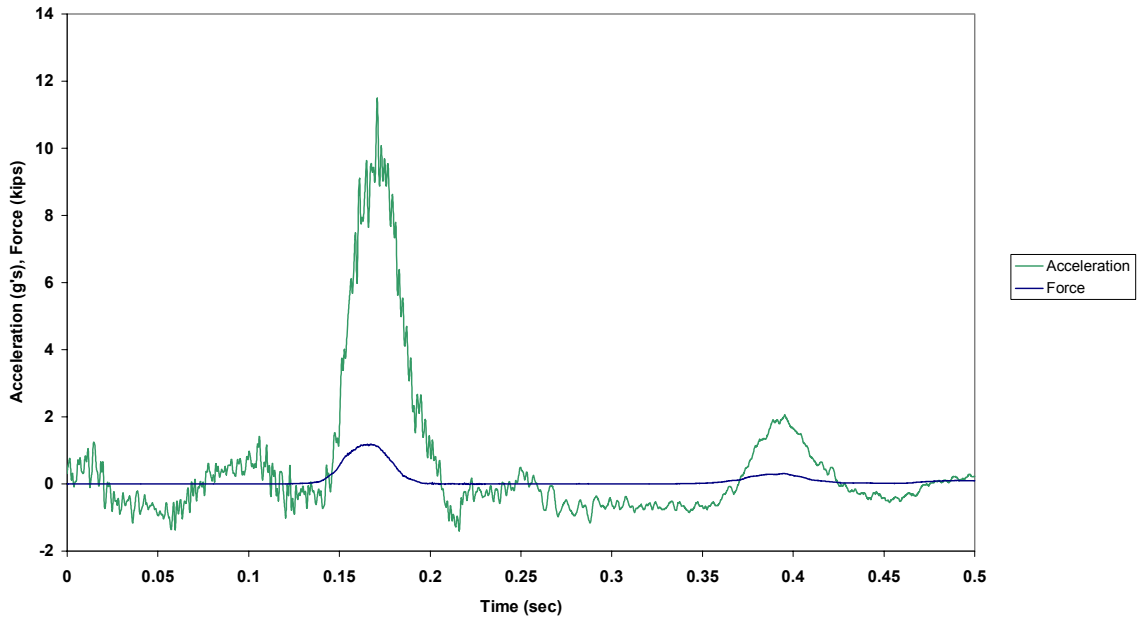


Figure B.2.1 Case 2A: Force and Acceleration vs. Time

Case 2A: Precycled 3/8 in. Amsteel (65 lb from 80 in.)

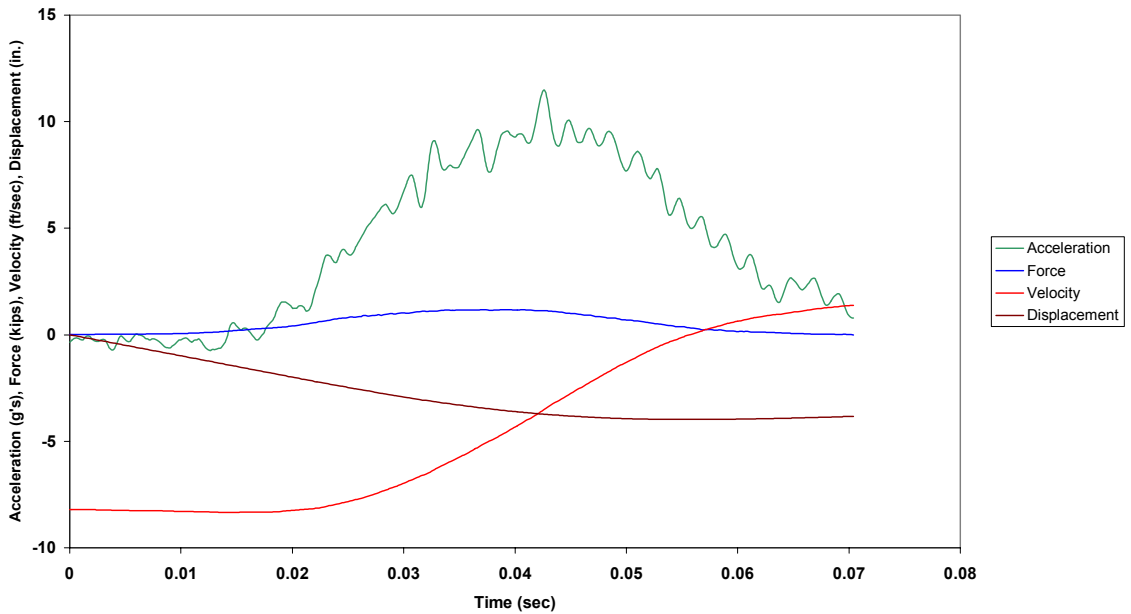


Figure B.2.2 Case 2A: Combined Plot

Case 2A: Precycled 3/8 in. Amsteel (65 lb from 80 in.)

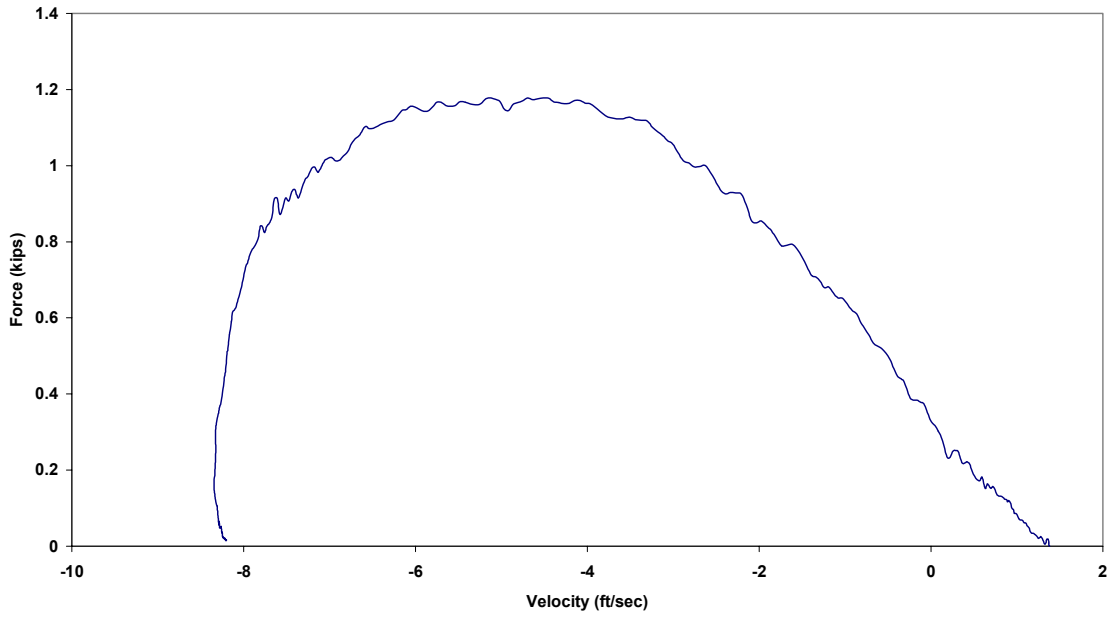


Figure B.2.3 Case 2A: Force vs. Velocity

Case 2A: Precycled 3/8 in. Amsteel (65 lb from 80 in.)

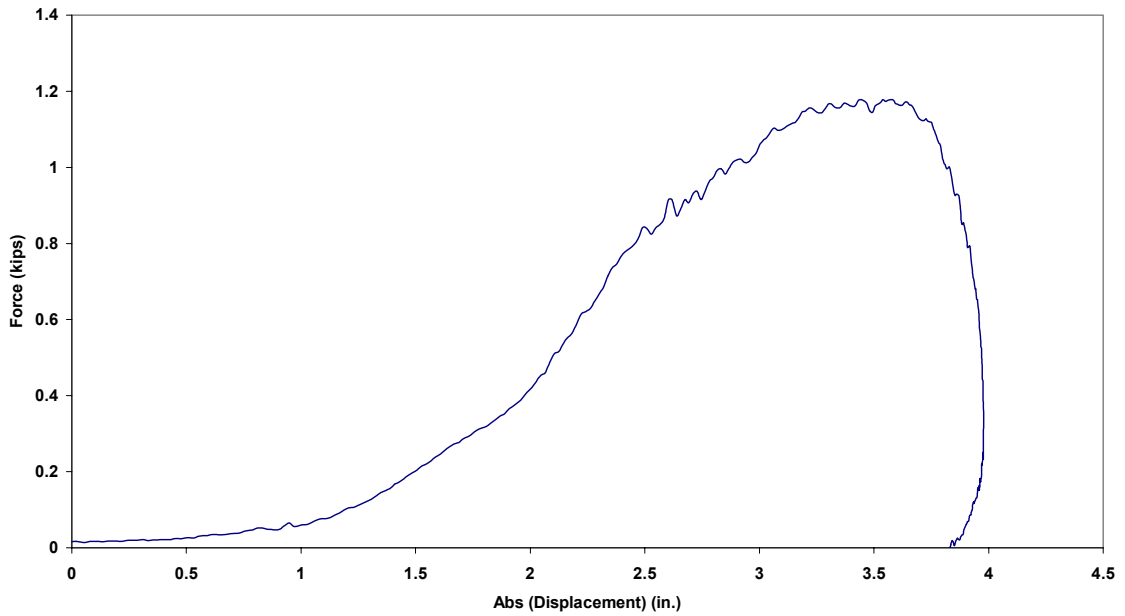


Figure B.2.4 Case 2A: Force vs. Absolute Displacement



Case 3A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

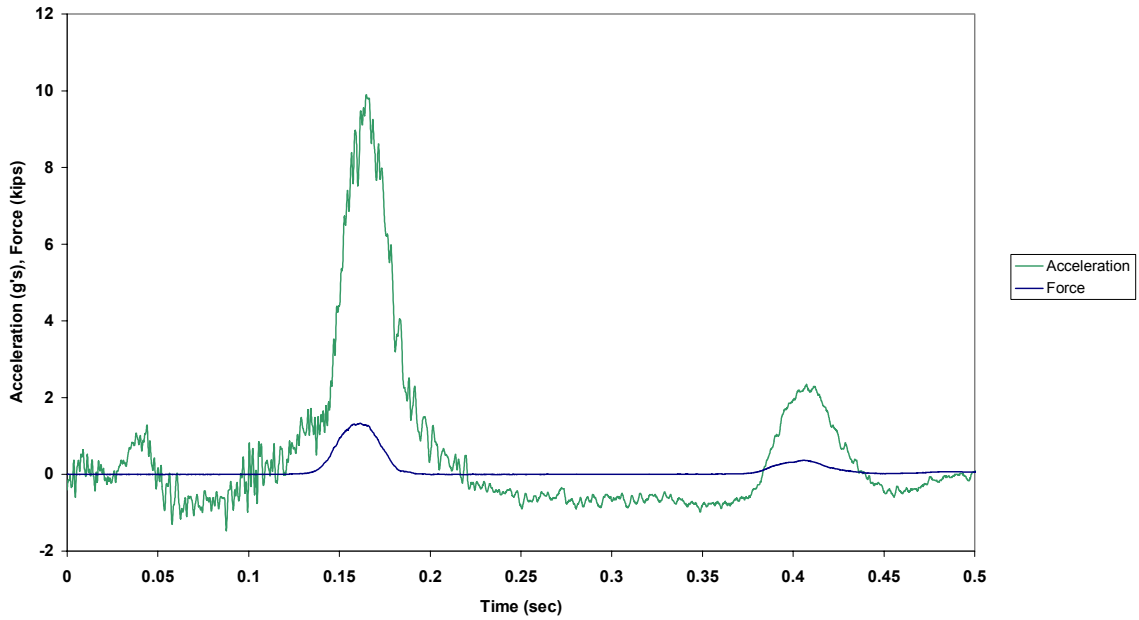


Figure B.3.1 Case 3A: Force and Acceleration vs. Time

Case 3A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

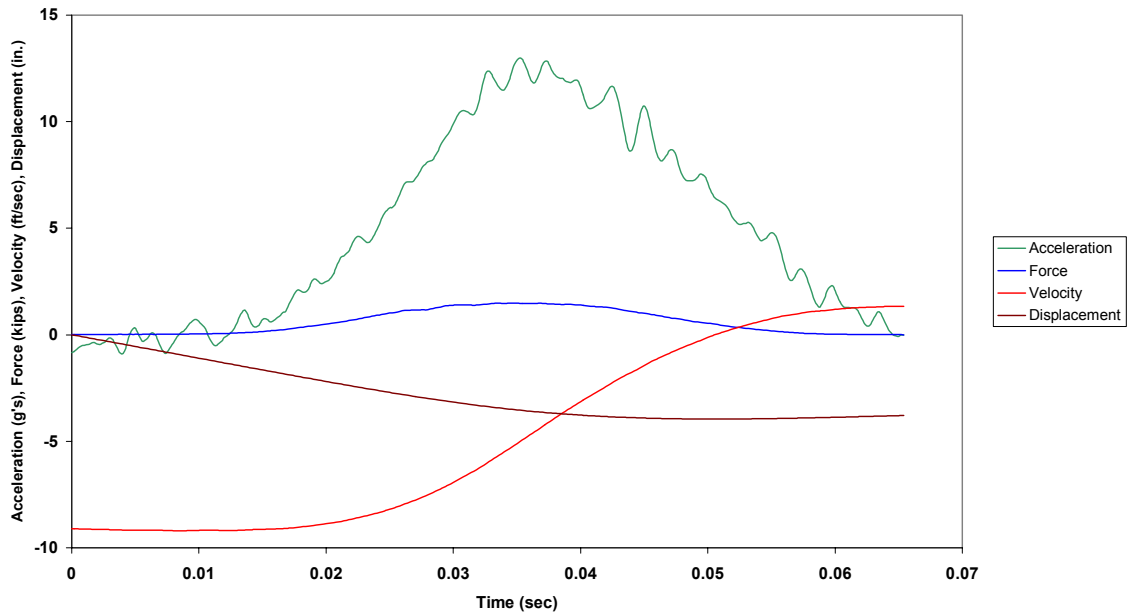


Figure B.3.2 Case 3A: Combined Plot

Case 3A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

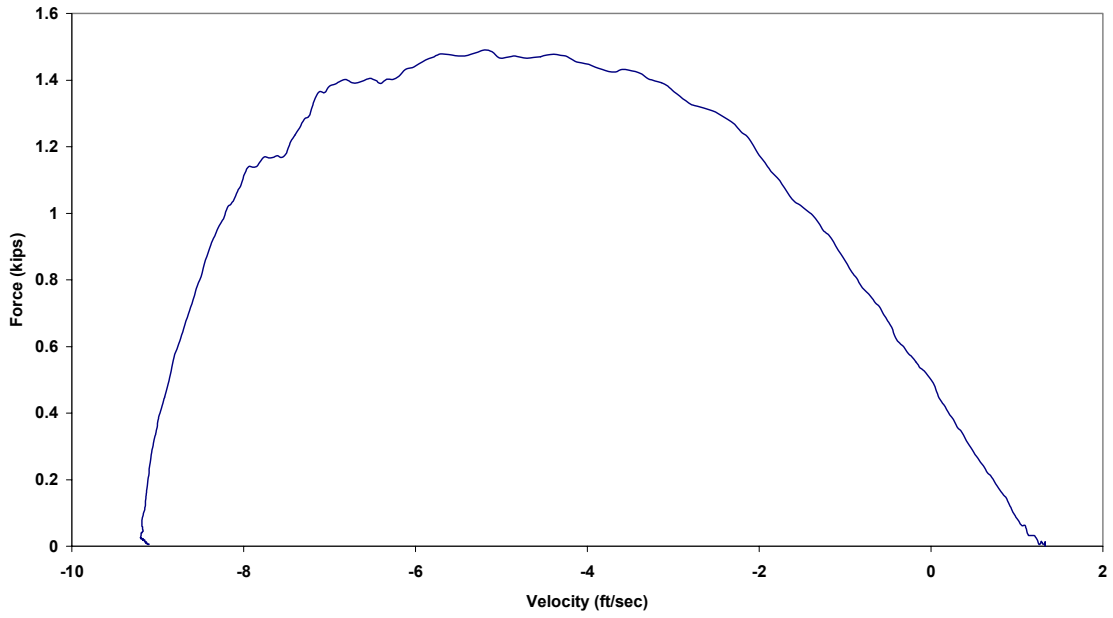


Figure B.3.3 Case 3A: Force vs. Velocity

Case 3A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

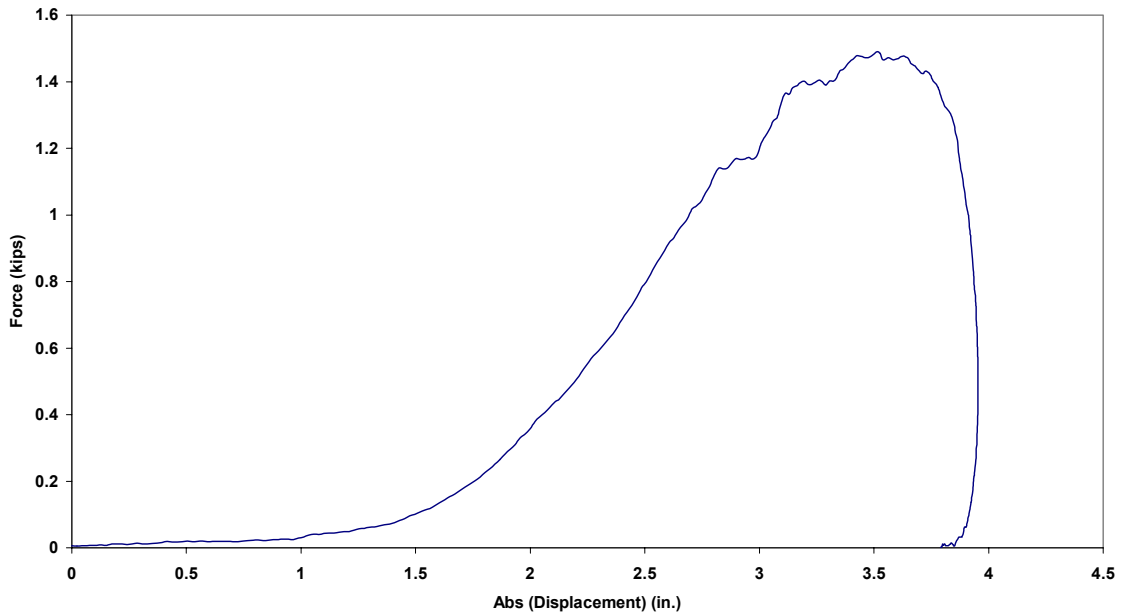


Figure B.3.4 Case 3A: Force vs. Absolute Displacement

Case 4A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

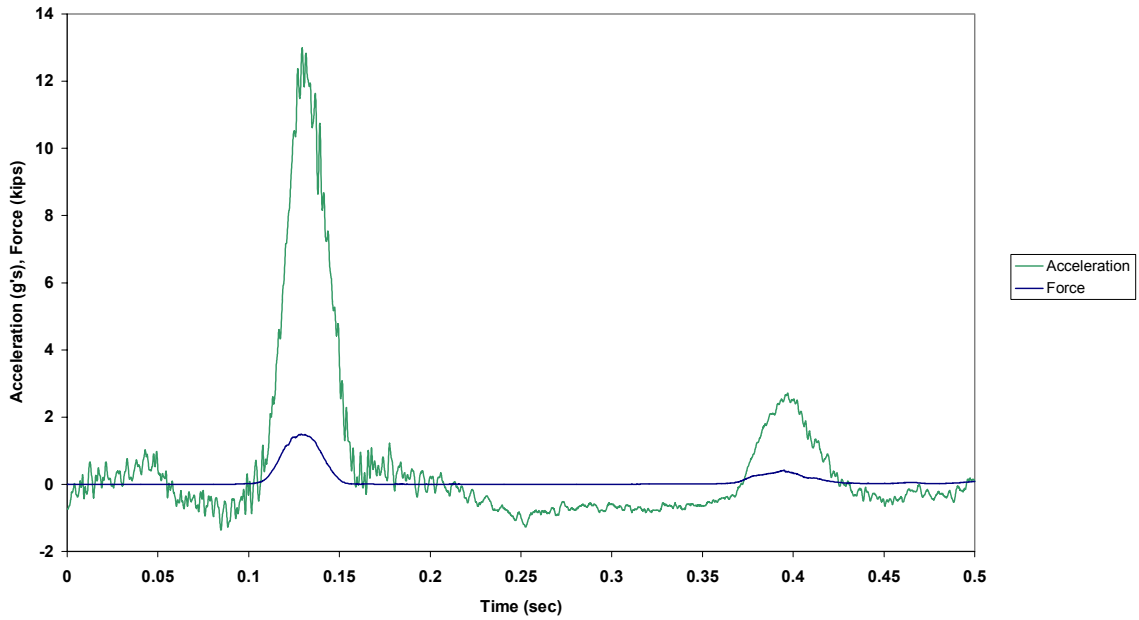


Figure B.4.1 Case 4A: Force and Acceleration vs. Time

Case 4A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

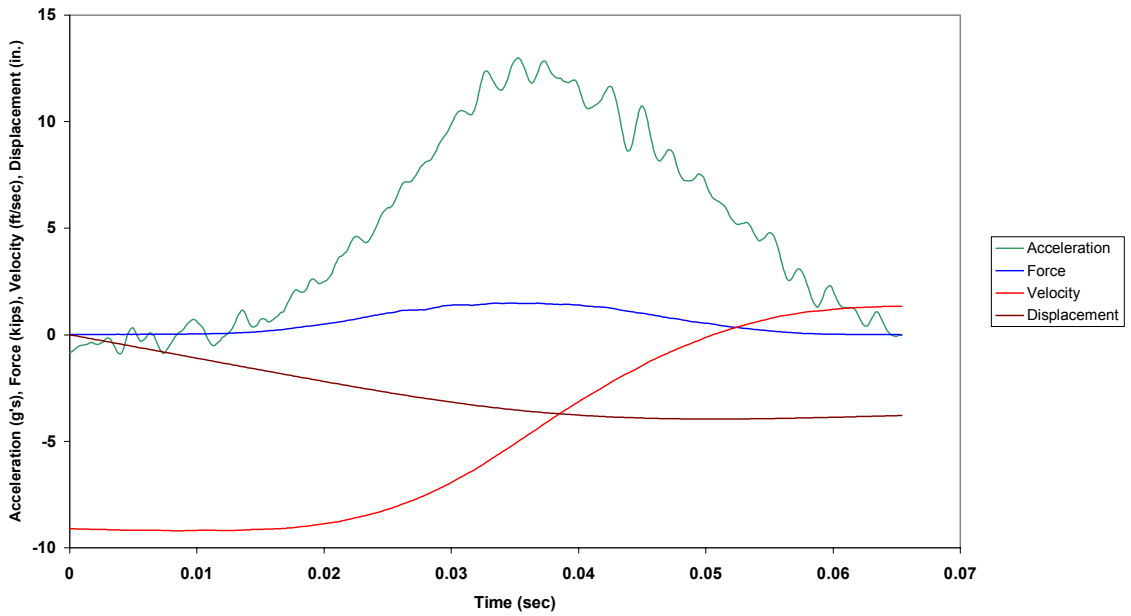


Figure B.4.2 Case 4A: Combined Plot

Case 4A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

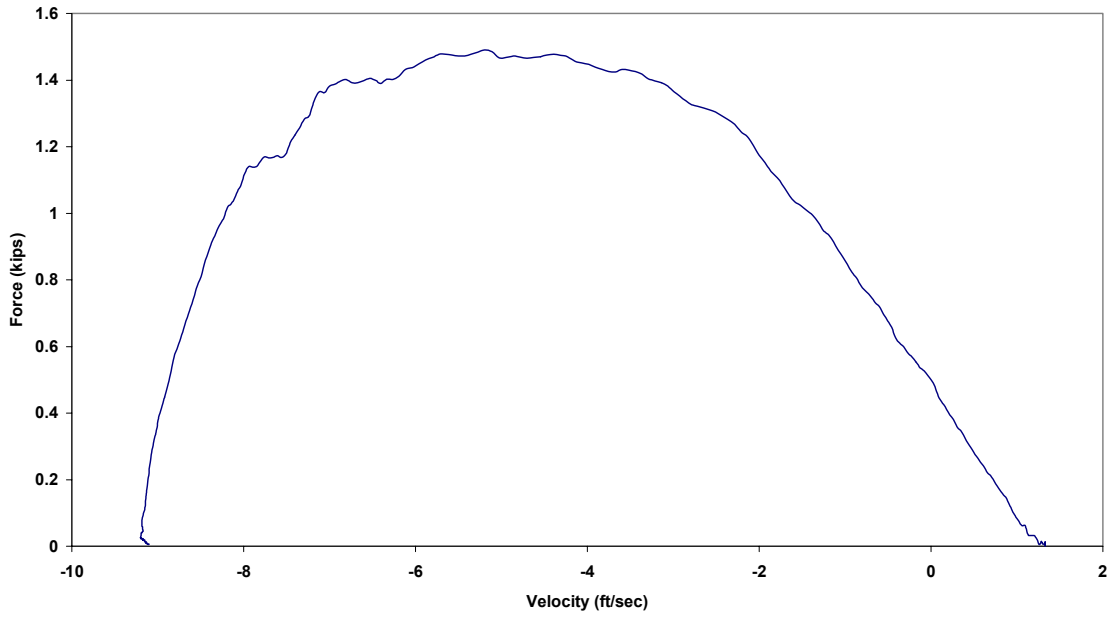


Figure B.4.3 Case 4A: Force vs. Velocity

Case 4A: Precycled 3/8 in. Amsteel (65 lb from 98 in.)

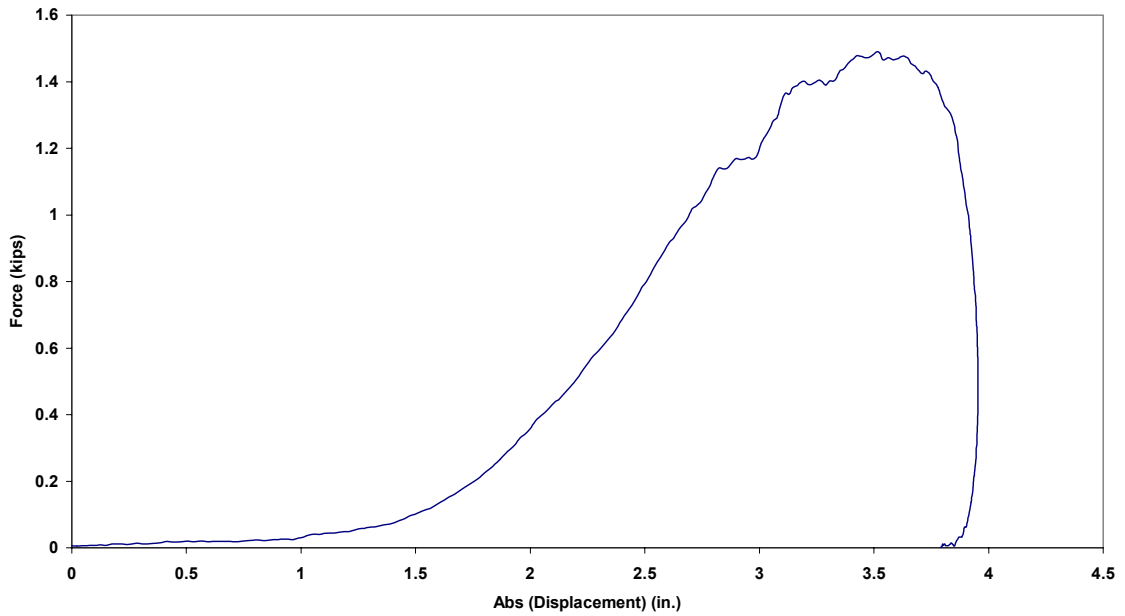


Figure B.4.4 Case 4A: Force vs. Absolute Displacement

Case 5A: Precycled 3/8 in. Amsteel (85 lb from 61 in.)

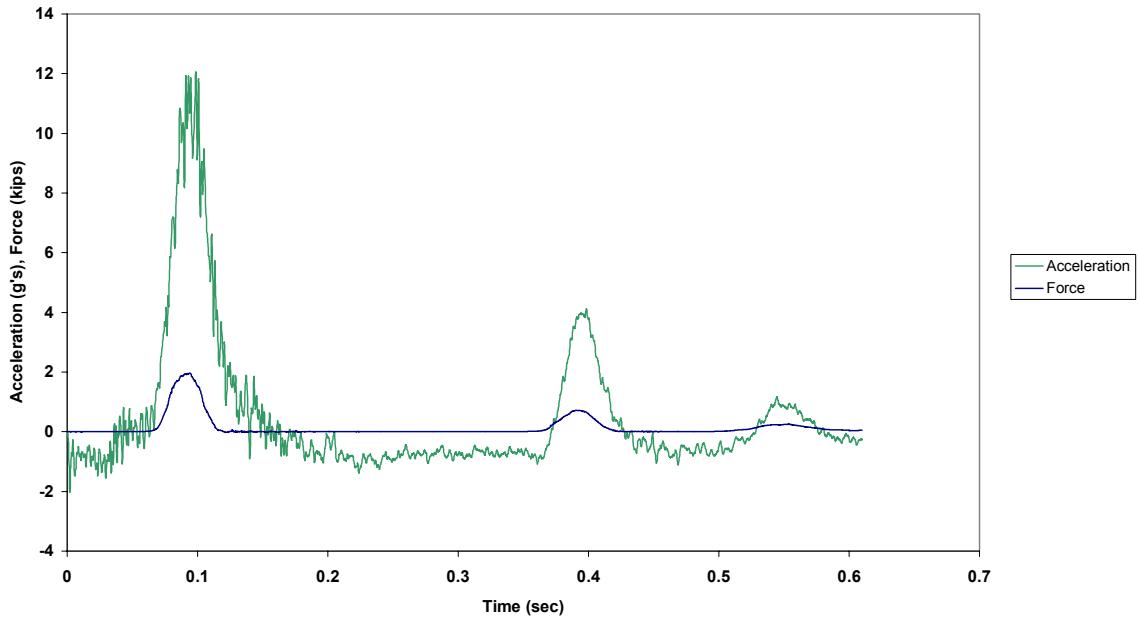


Figure B.5.1 Case 5A: Force and Acceleration vs. Time

Case 5A: Precycled 3/8 in. Amsteel (85 lb from 61 in.)

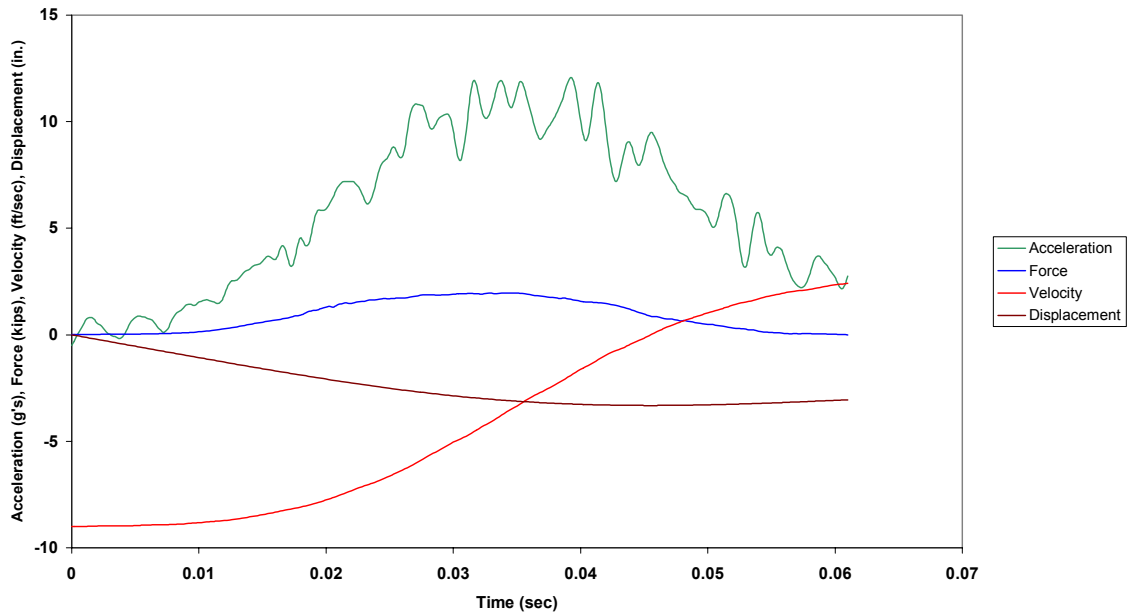


Figure B.5.2 Case 5A: Combined Plot

Case 5A: Precycled 3/8 in. Amsteel (85 lb from 61 in.)

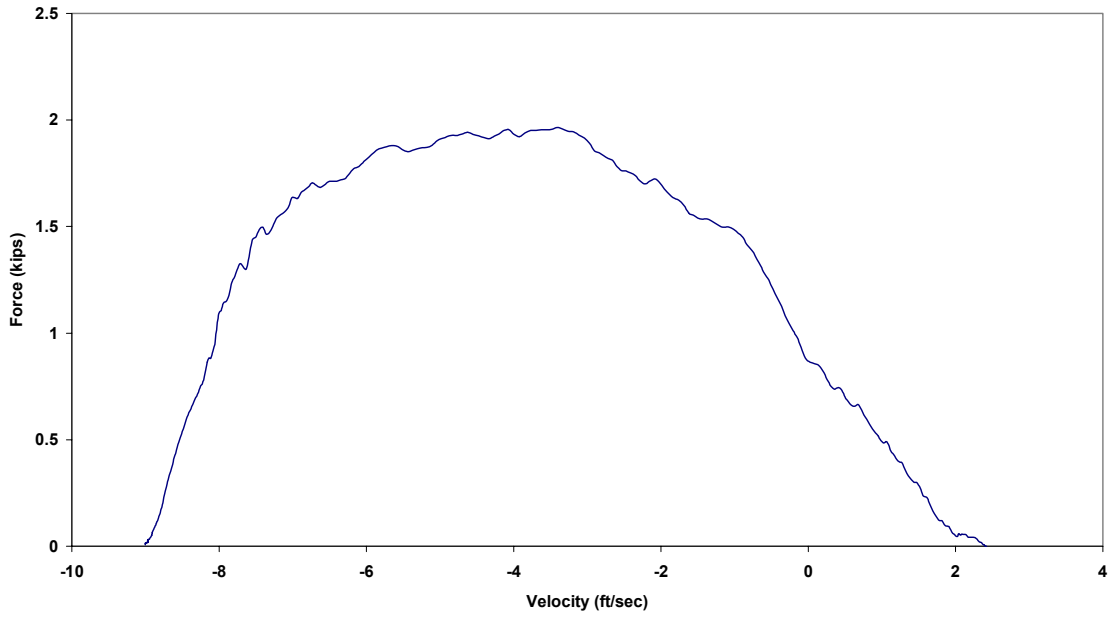


Figure B.5.3 Case 5A: Force vs. Velocity

Case 5A: Precycled 3/8 in. Amsteel (85 lb from 61 in.)

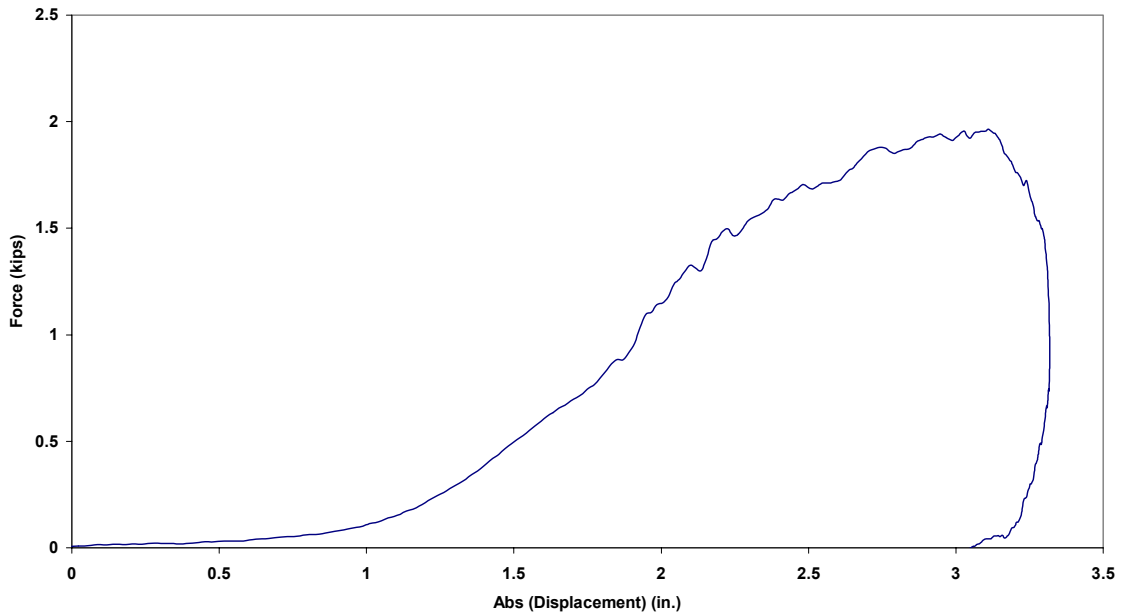


Figure B.5.4 Case 5A: Force vs. Absolute Displacement

Case 1B: Precycled 1/2 in. Amsteel (65 lb from 56 in.)

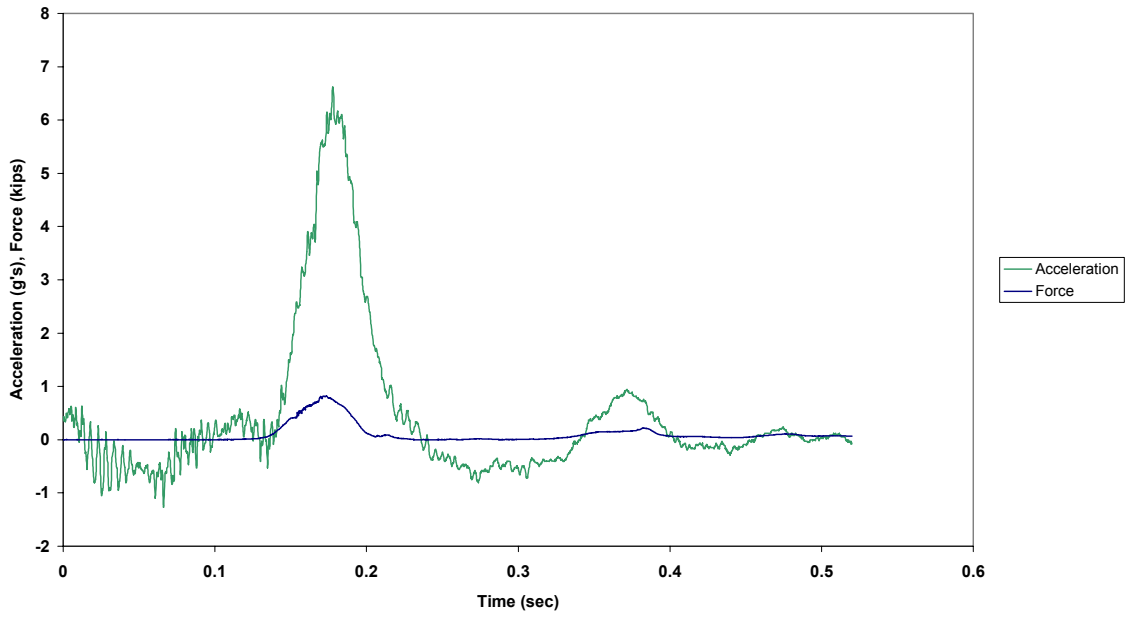


Figure B.6.1 Case 1B: Force and Acceleration vs. Time

Case 1B: Precycled 1/2 in. Amsteel (65 lb from 56 in.)

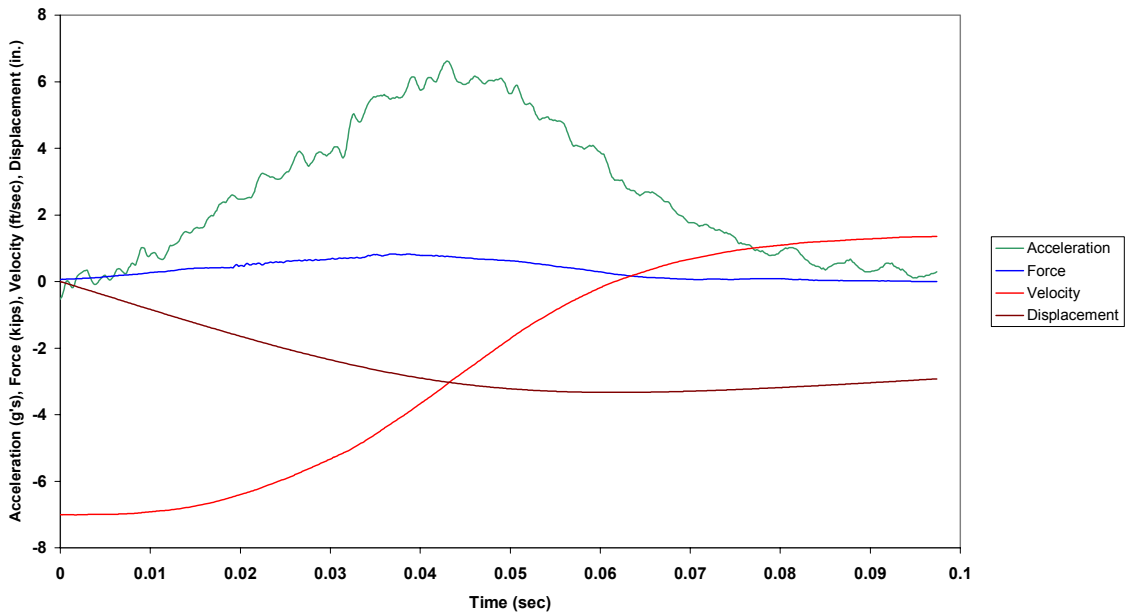


Figure B.6.2 Case 1B: Combined Plot

Case 1B: Precycled 1/2 in. Amsteel (65 lb from 56 in.)

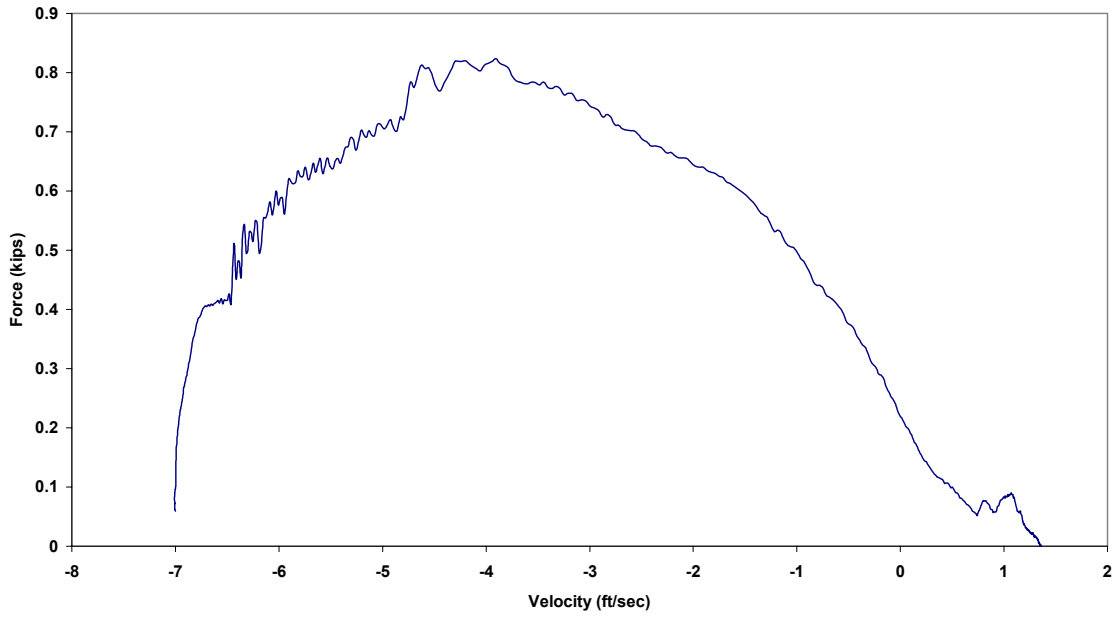


Figure B.6.3 Case 1B: Force vs. Velocity

Case 1B: Precycled 1/2 in. Amsteel (65 lb from 56 in.)

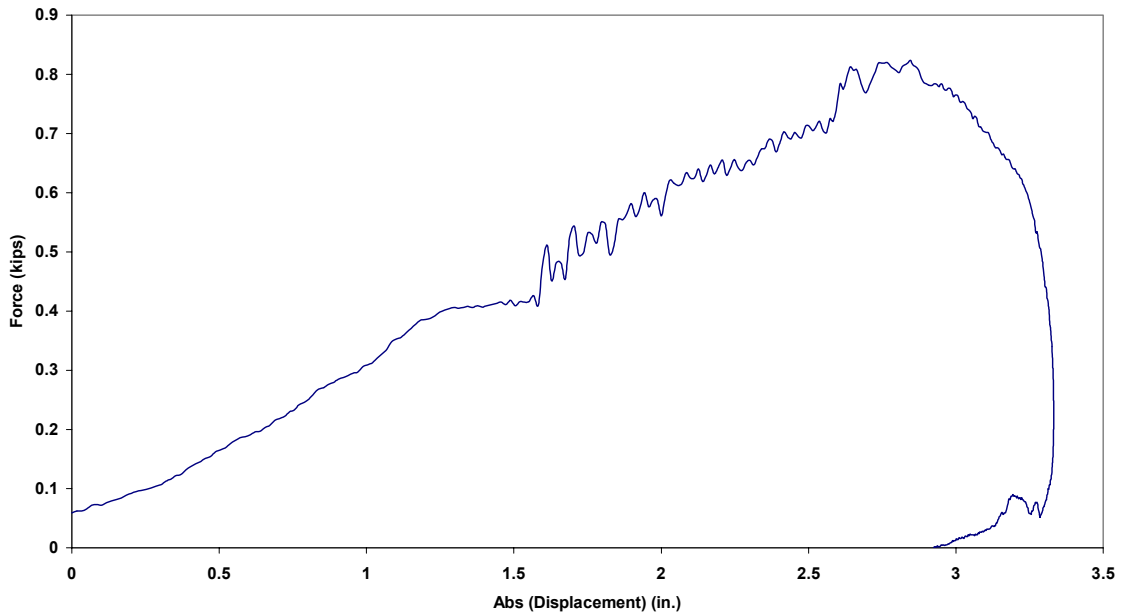


Figure B.6.4 Case 1B: Force vs. Absolute Displacement



Case 2B: Precycled 1/2 in. Amsteel (65 lb from 68 in.)

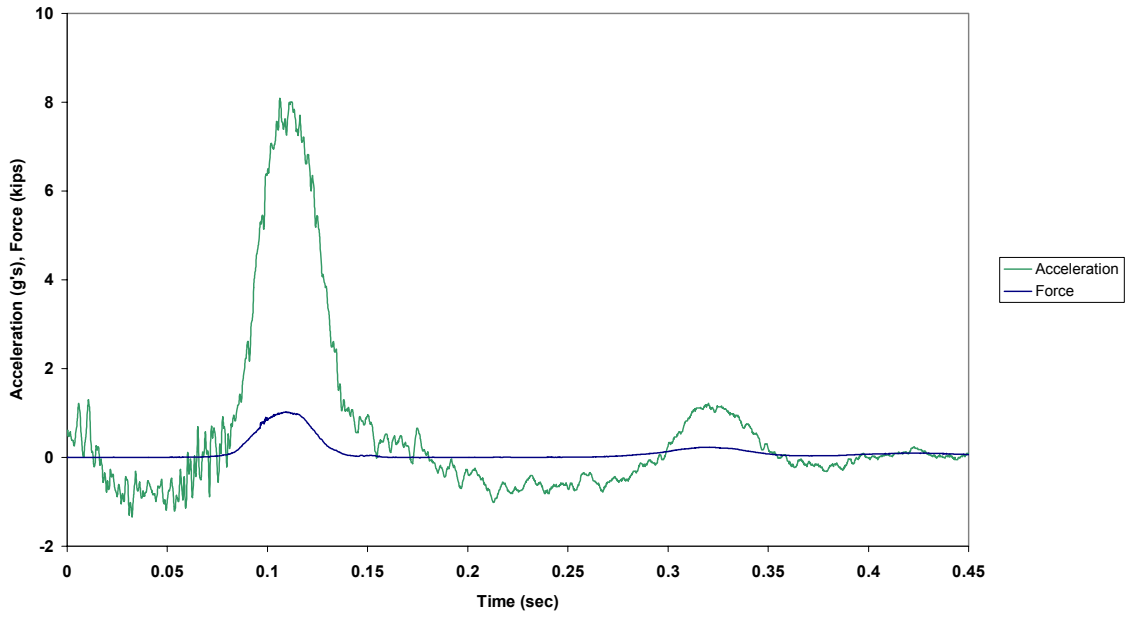


Figure B.7.1 Case 2B: Force and Acceleration vs. Time

Case 2B: Precycled 1/2 in. Amsteel (65 lb from 68 in.)

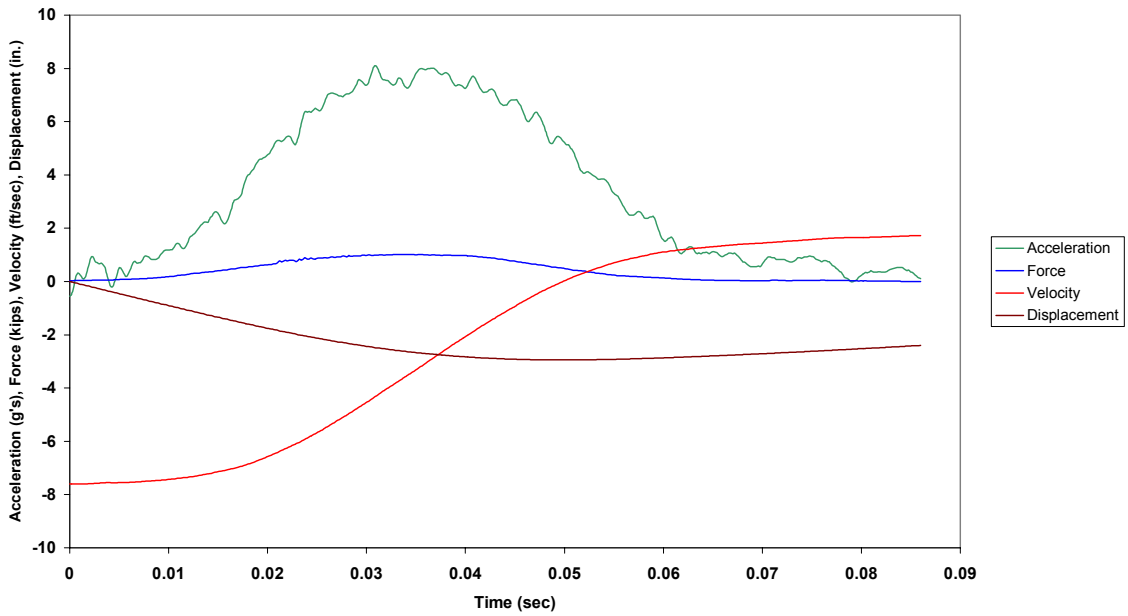


Figure B.7.2 Case 2B: Combined Plot

Case 2B: Precycled 1/2 in. Amsteel (65 lb from 68 in.)

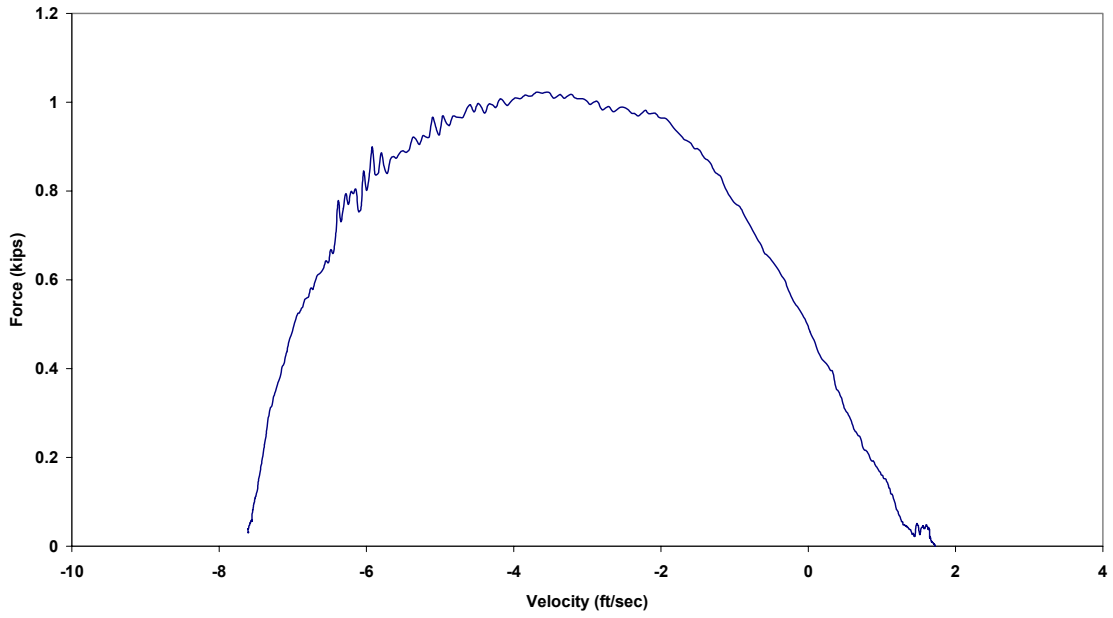


Figure B.7.3 Case 2B: Force vs. Velocity

Case 2B: Precycled 1/2 in. Amsteel (65 lb from 68 in.)

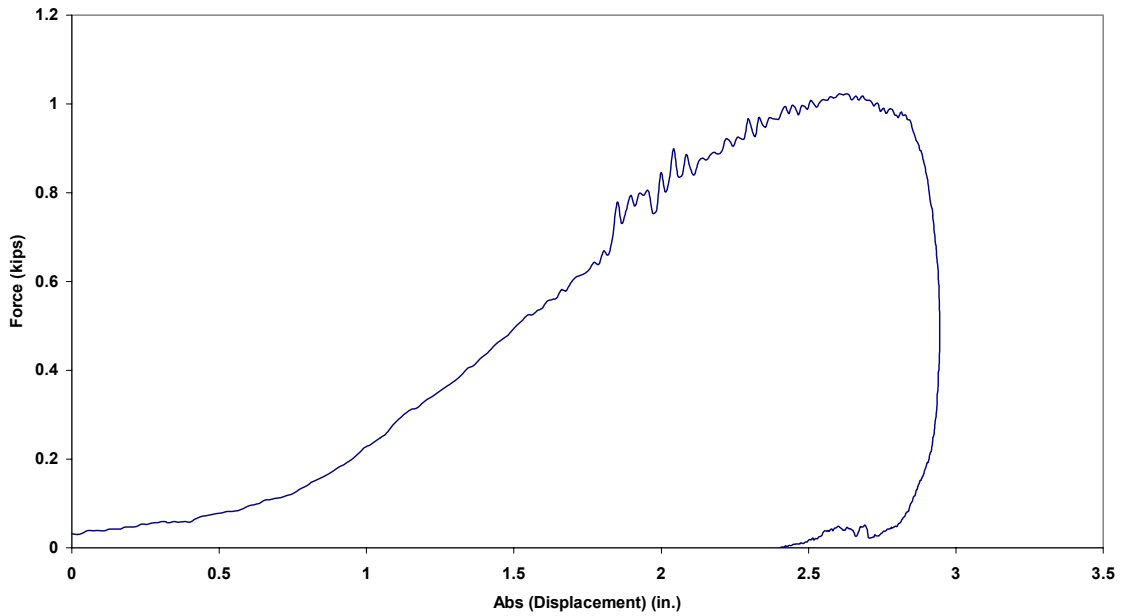


Figure B.7.4 Case 2B: Force vs. Absolute Displacement

Case 3B: Precycled 1/2 in. Amsteel (65 lb from 81 in.)

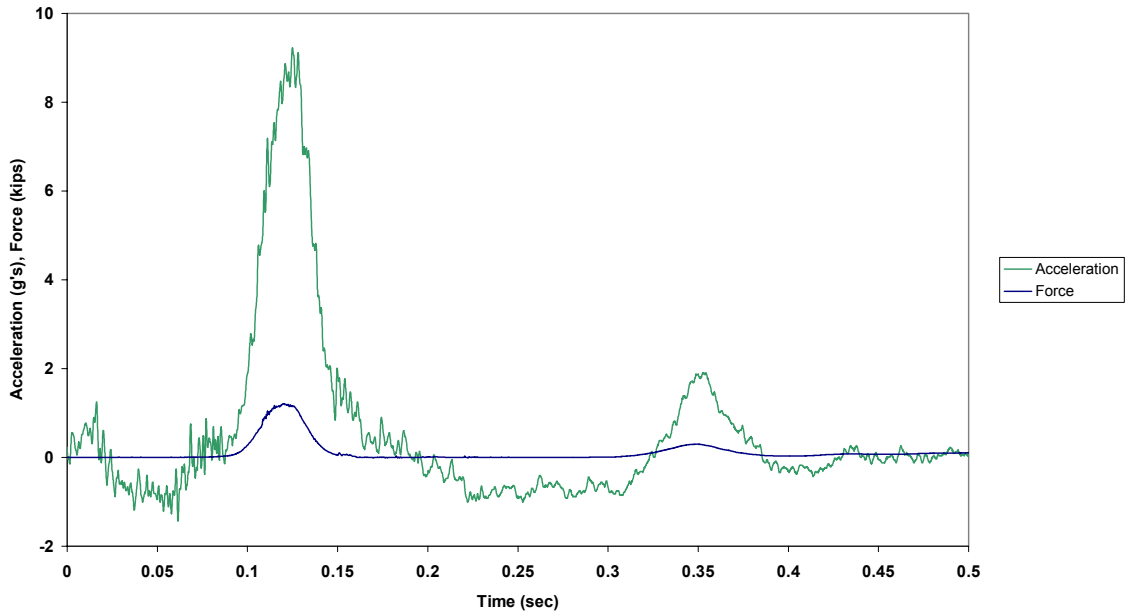


Figure B.8.1 Case 3B: Force and Acceleration vs. Time

Case 3B: Precycled 1/2 in. Amsteel (65 lb from 81 in.)

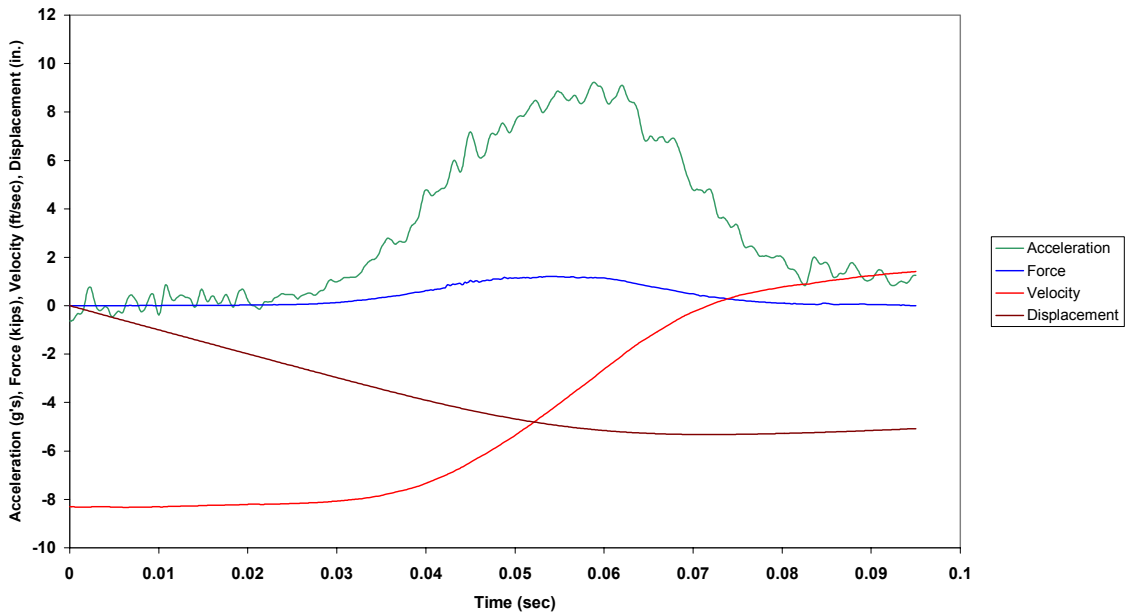


Figure B.8.2 Case 3B: Combined Plot

Case 3B: Precycled 1/2 in. Amsteel (65 lb from 81 in.)

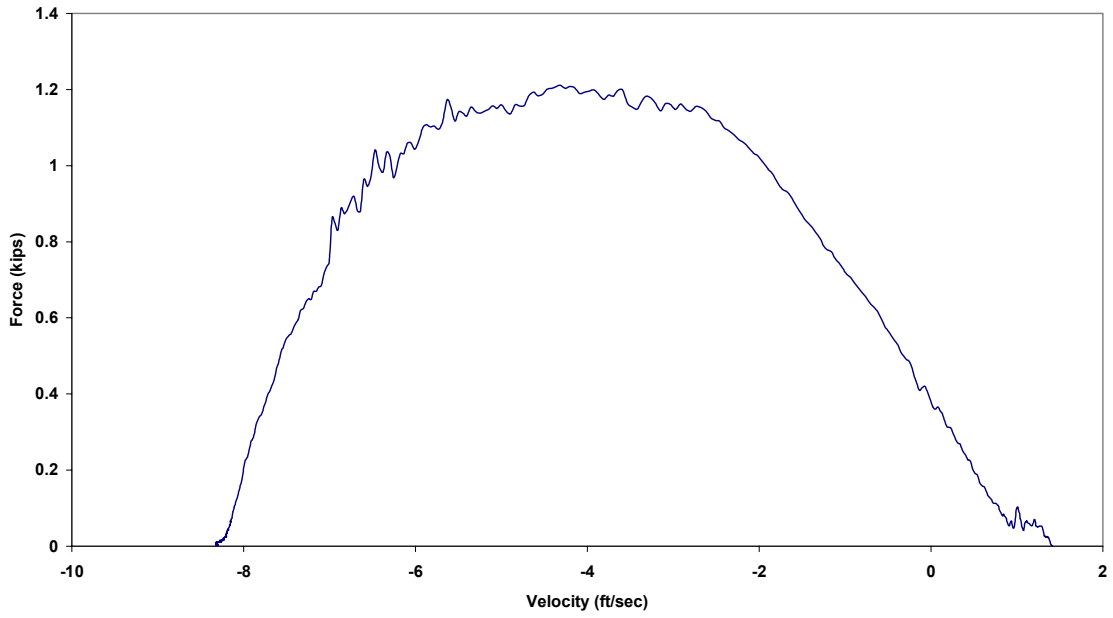


Figure B.8.3 Case 3B: Force vs. Velocity

Case 3B: Precycled 1/2 in. Amsteel (65 lb from 81 in.)

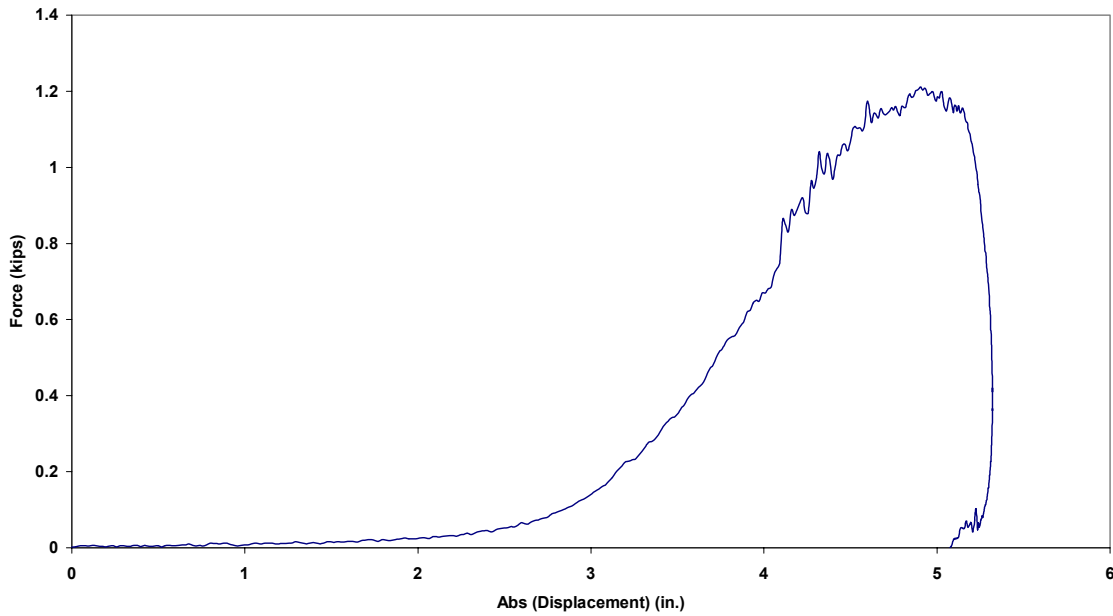


Figure B.8.4 Case 3B: Force vs. Absolute Displacement

Case 4B: Precycled 1/2 in. Amsteel (65 lb from 93 in.)

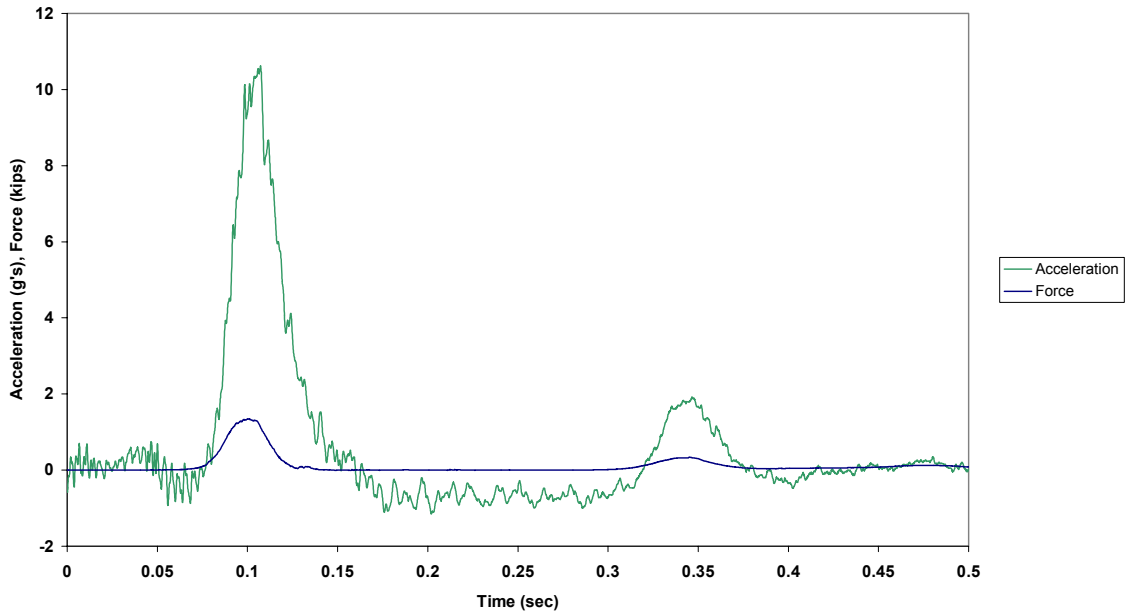


Figure B.9.1 Case 4B: Force and Acceleration vs. Time

Case 4B: Precycled 1/2 in. Amsteel (65 lb from 93 in.)

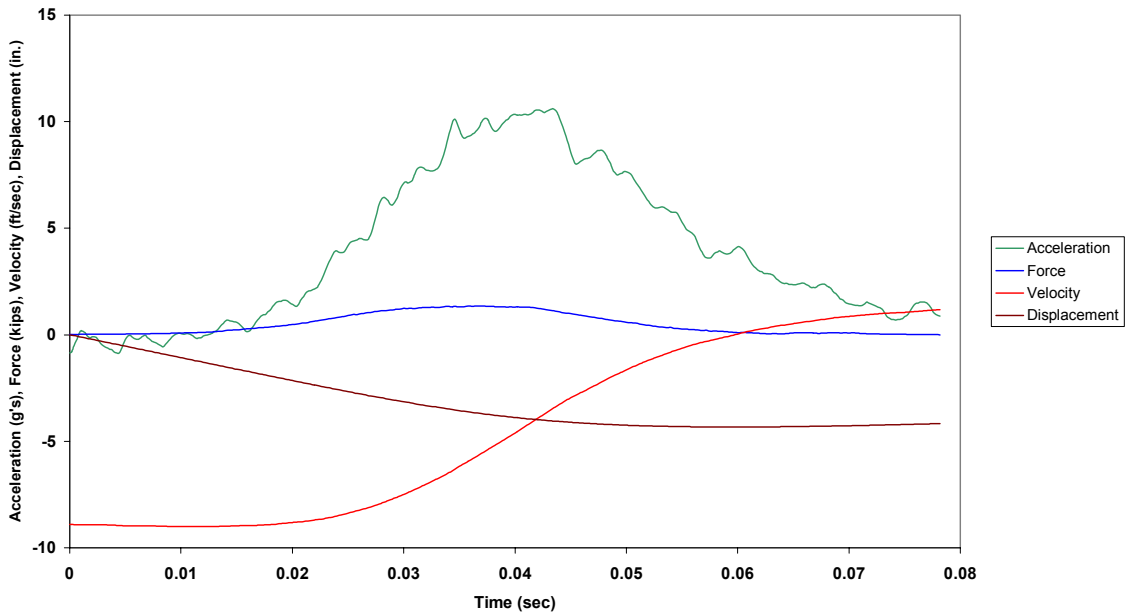


Figure B.9.2 Case 4B: Combined Plot

Case 4B: Precycled 1/2 in. Amsteel (65 lb from 93 in.)

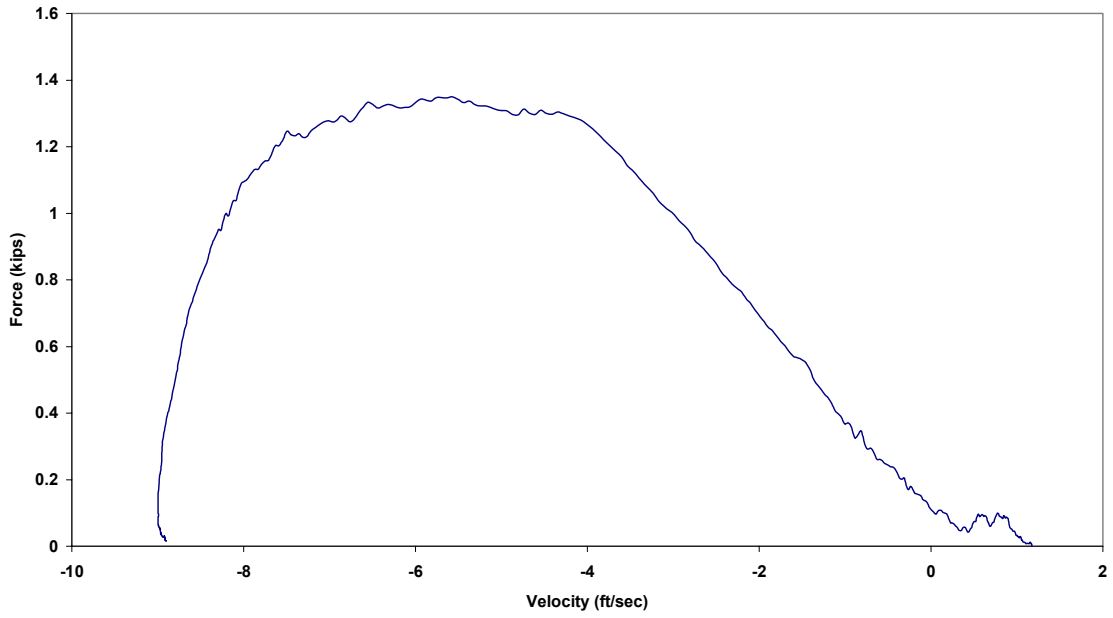


Figure B.9.3 Case 4B: Force vs. Velocity

Case 4B: Precycled 1/2 in. Amsteel (65 lb from 93 in.)

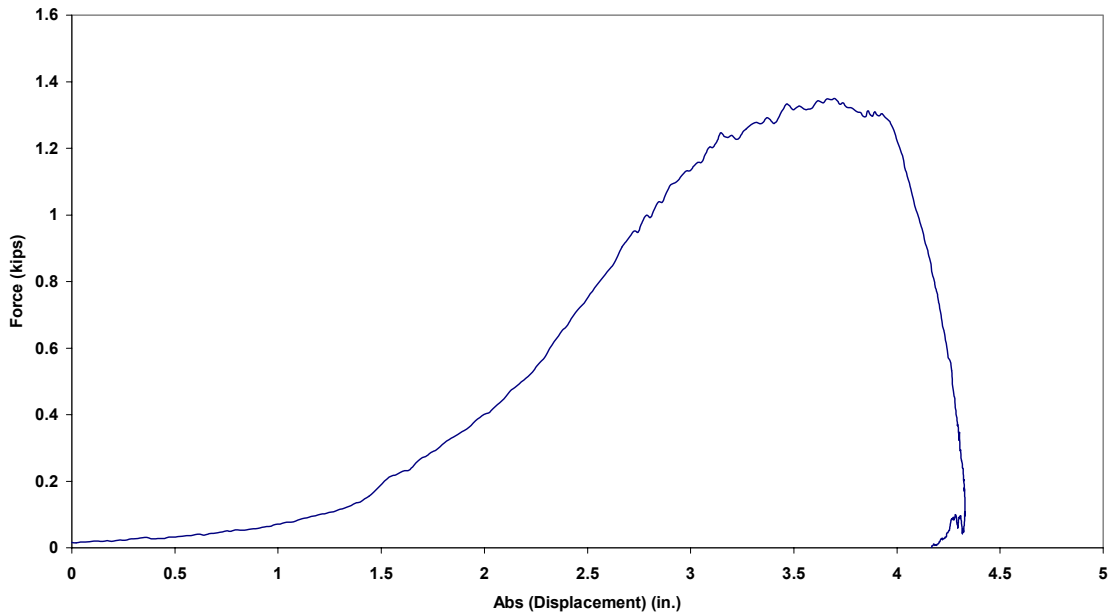


Figure B.9.4 Case 4B: Force vs. Absolute Displacement

Case 5B: Precycled 1/2 in. Amsteel (65 lb from 98 in.)

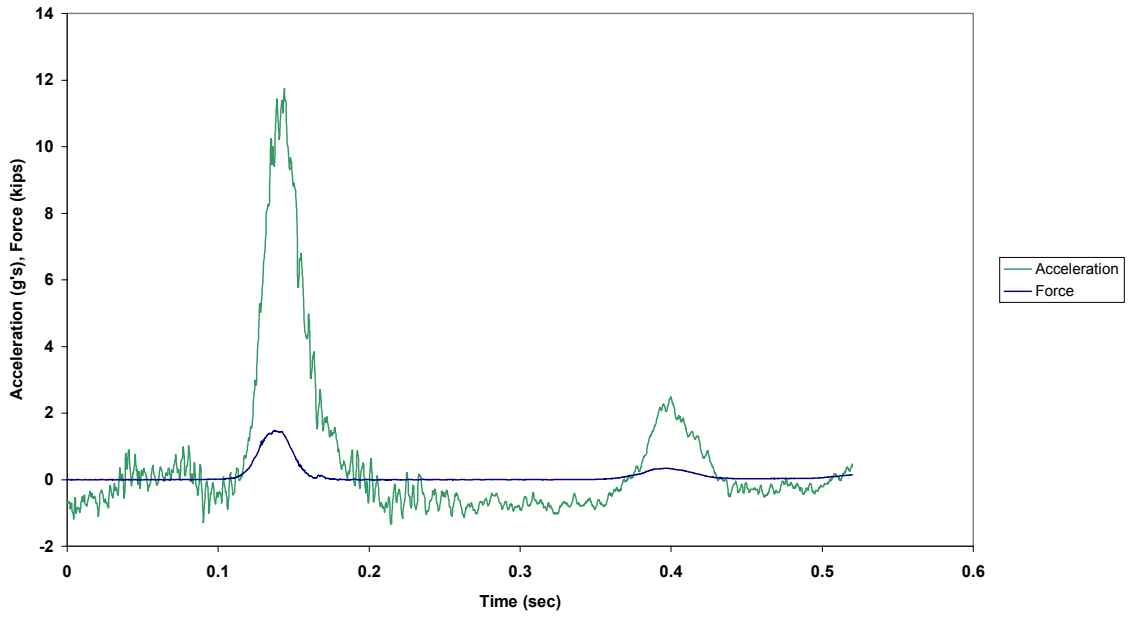


Figure B.10.1 Case 5B: Force and Acceleration vs. Time

Case 5B: Precycled 1/2 in. Amsteel (65 lb from 98 in.)

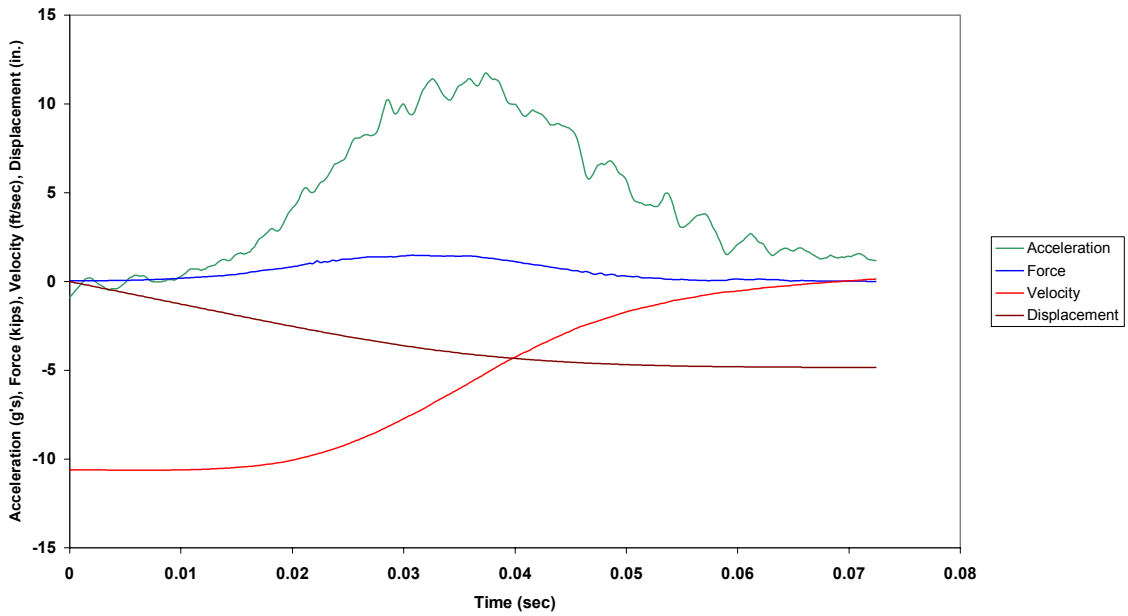


Figure B.10.2 Case 5B: Combined Plot

Case 5B: Precycled 1/2 in. Amsteel (65 lb from 98 in.)

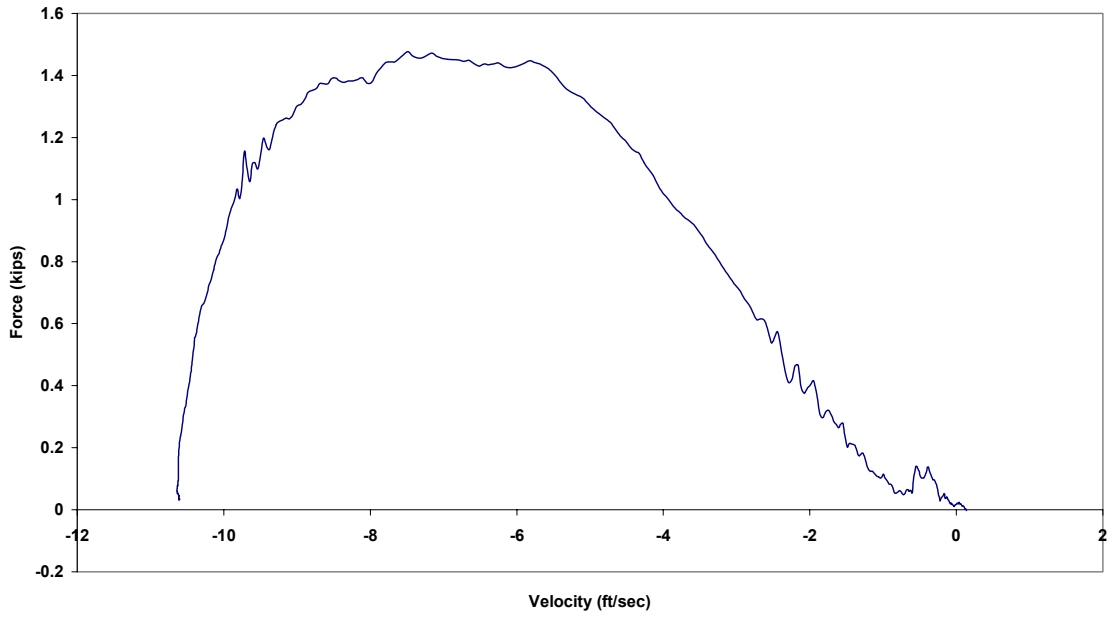


Figure B.10.3 Case 5B: Force vs. Velocity

Case 5B: Precycled 1/2 in. Amsteel (65 lb from 98 in.)

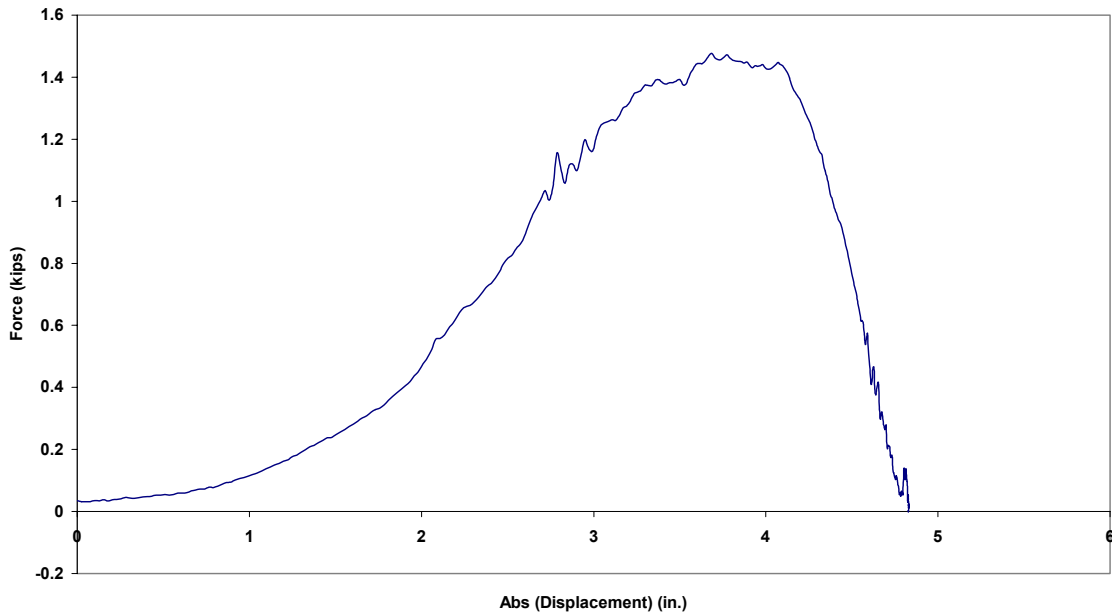


Figure B.10.4 Case 5B: Force vs. Absolute Displacement



Case 6B: Precycled 1/2 in. Amsteel (85 lb from 59 in.)

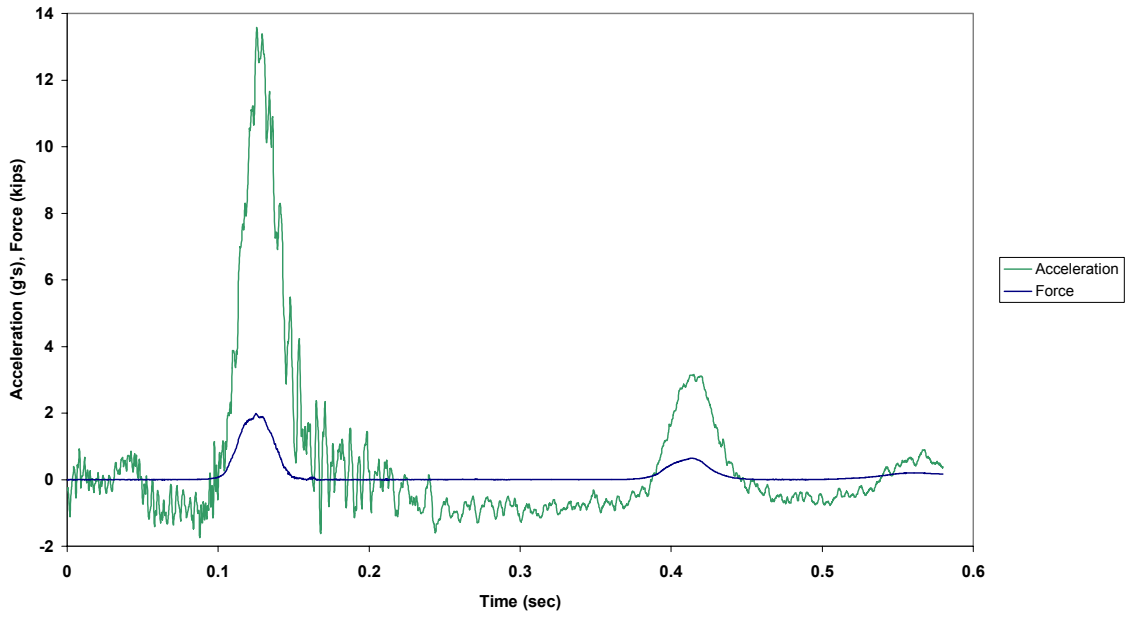


Figure B.11.1 Case 6B: Force and Acceleration vs. Time

Case 6B: Precycled 1/2 in. Amsteel (85 lb from 59 in.)

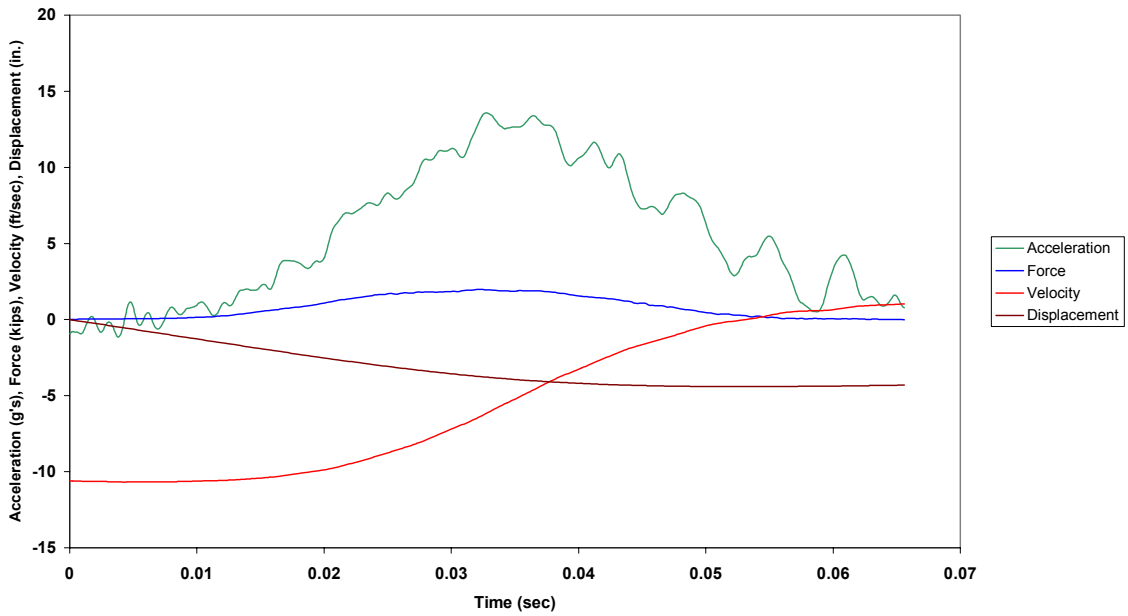


Figure B.11.2 Case 6B: Combined Plot

Case 6B: Precycled 1/2 in. Amsteel (85 lb from 59 in.)

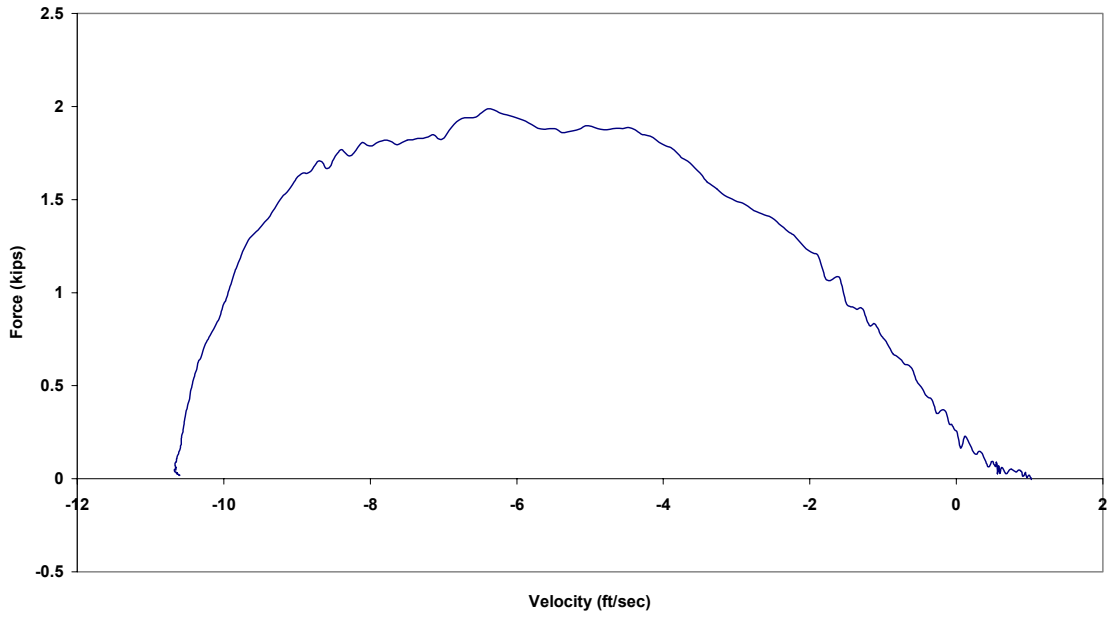


Figure B.11.3 Case 6B: Force vs. Velocity

Case 6B: Precycled 1/2 in. Amsteel (85 lb from 59 in.)

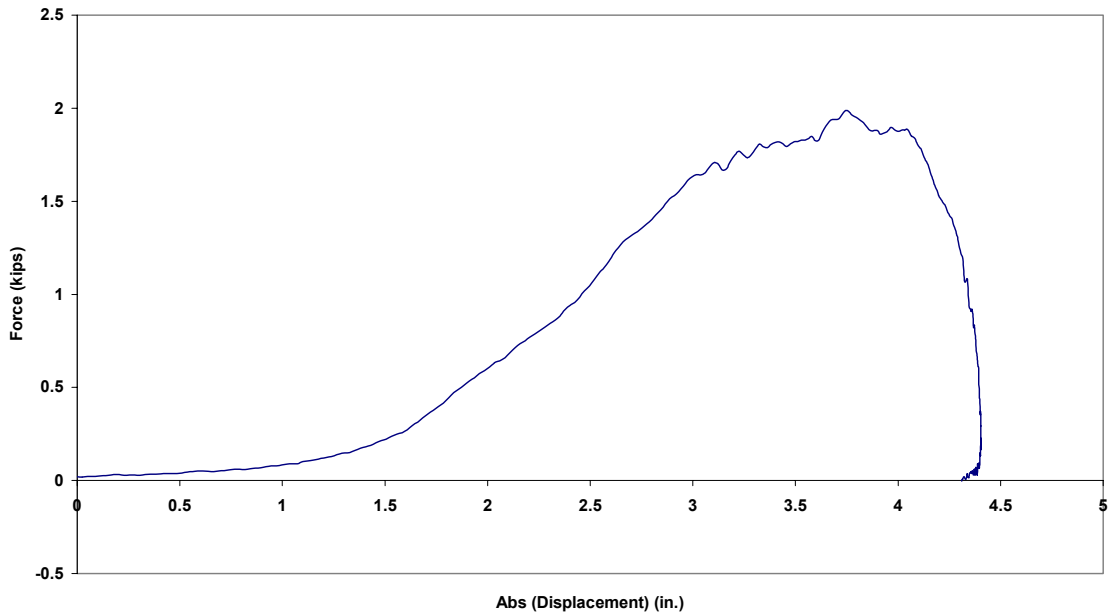


Figure B.11.4 Case 6B: Force vs. Absolute Displacement

Case 7B: Precycled 1/2 in. Amsteel (85 lb from 71 in.)

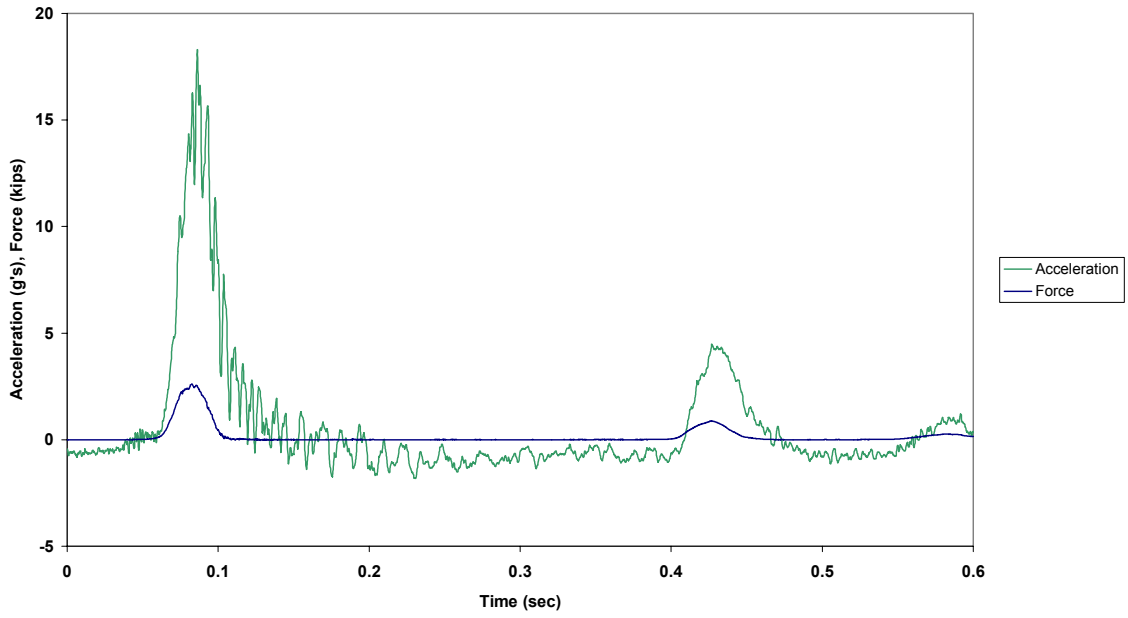


Figure B.12.1 Case 7B: Force and Acceleration vs. Time

Case 7B: Precycled 1/2 in. Amsteel (85 lb from 71 in.)

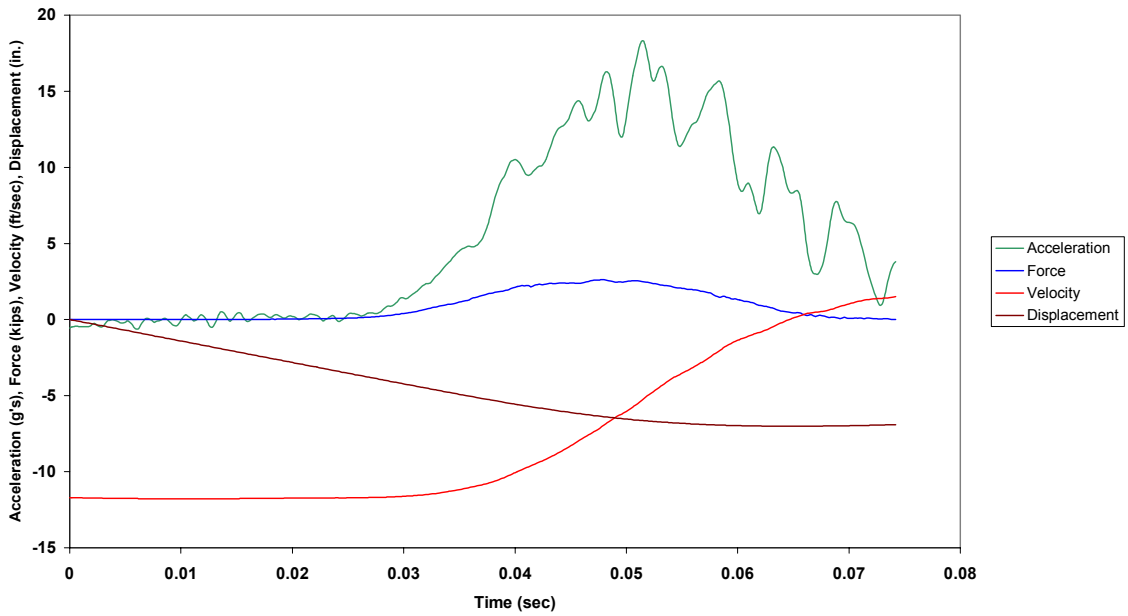


Figure B.12.2 Case 7B: Combined Plot

Case 7B: Precycled 1/2 in. Amsteel (85 lb from 71 in.)

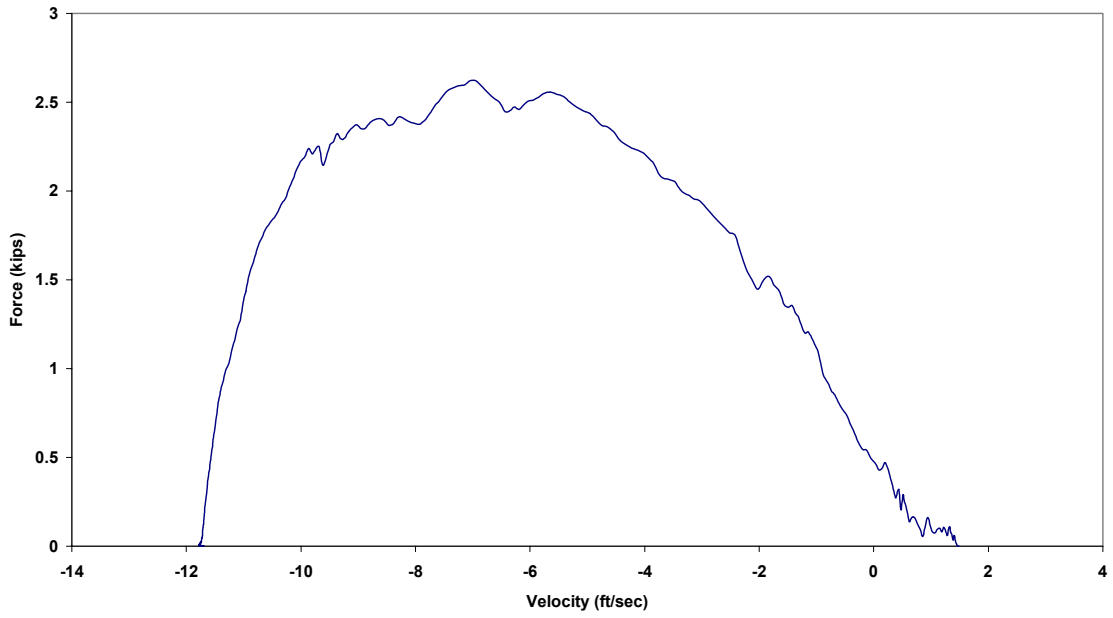


Figure B.12.3 Case 7B: Force vs. Velocity

Case 7B: Precycled 1/2 in. Amsteel (85 lb from 71 in.)

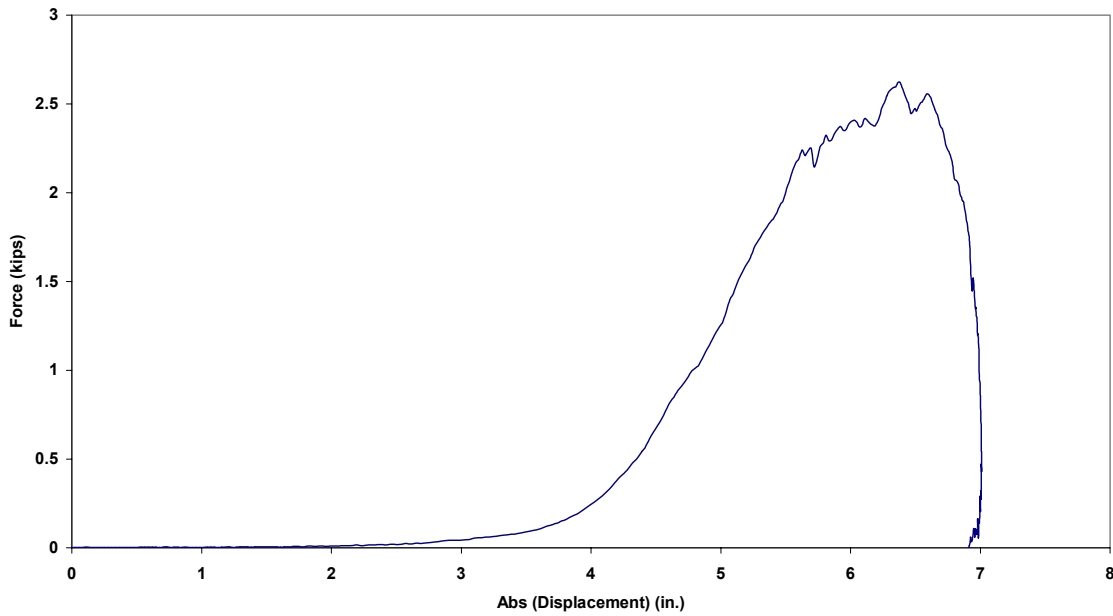


Figure B.12.4 Case 7B: Force vs. Absolute Displacement

Case 8B: Precycled 1/2 in. Amsteel (85 lb from 83 in.)

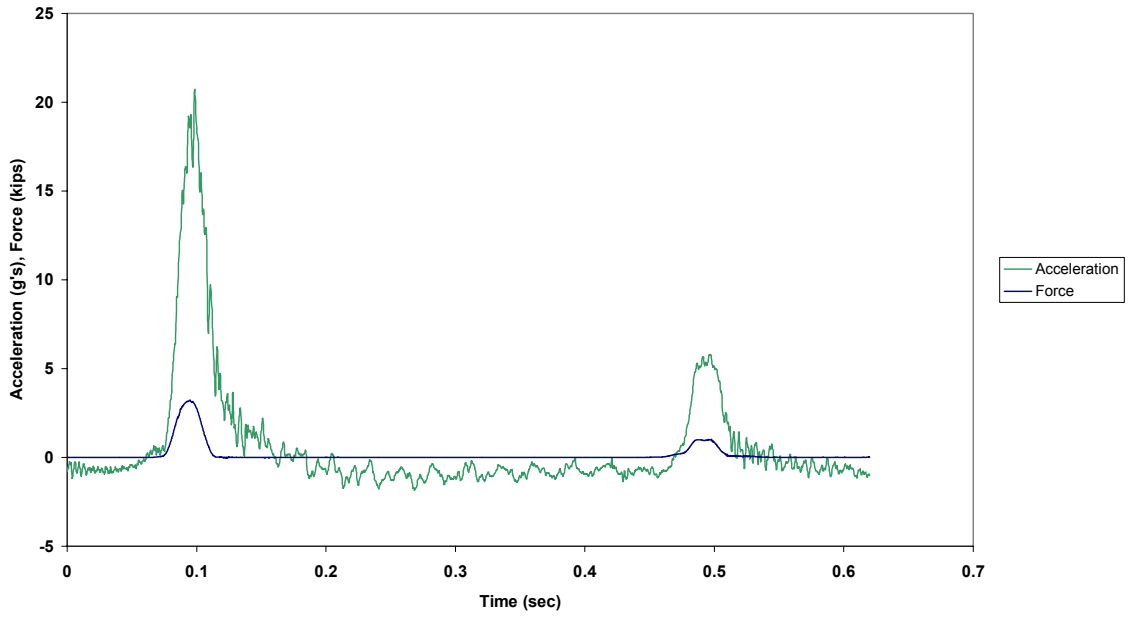


Figure B.13.1 Case 8B: Force and Acceleration vs. Time

Case 8B: Precycled 1/2 in. Amsteel (85 lb from 83 in.)

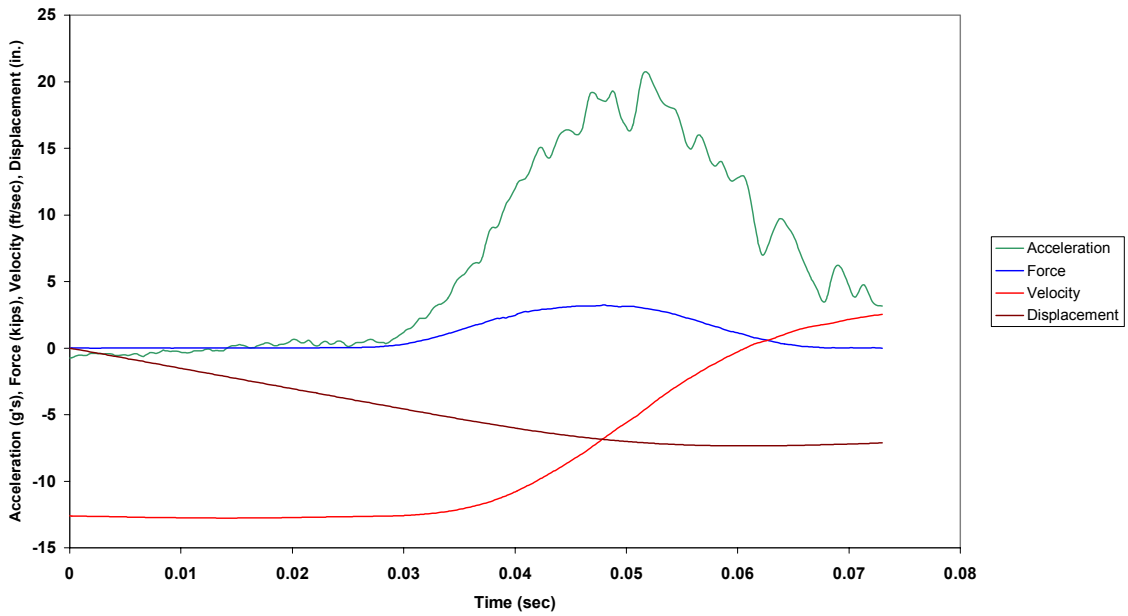


Figure B.13.2 Case 8B: Combined Plot

Case 8B: Precycled 1/2 in. Amsteel (85 lb from 83 in.)

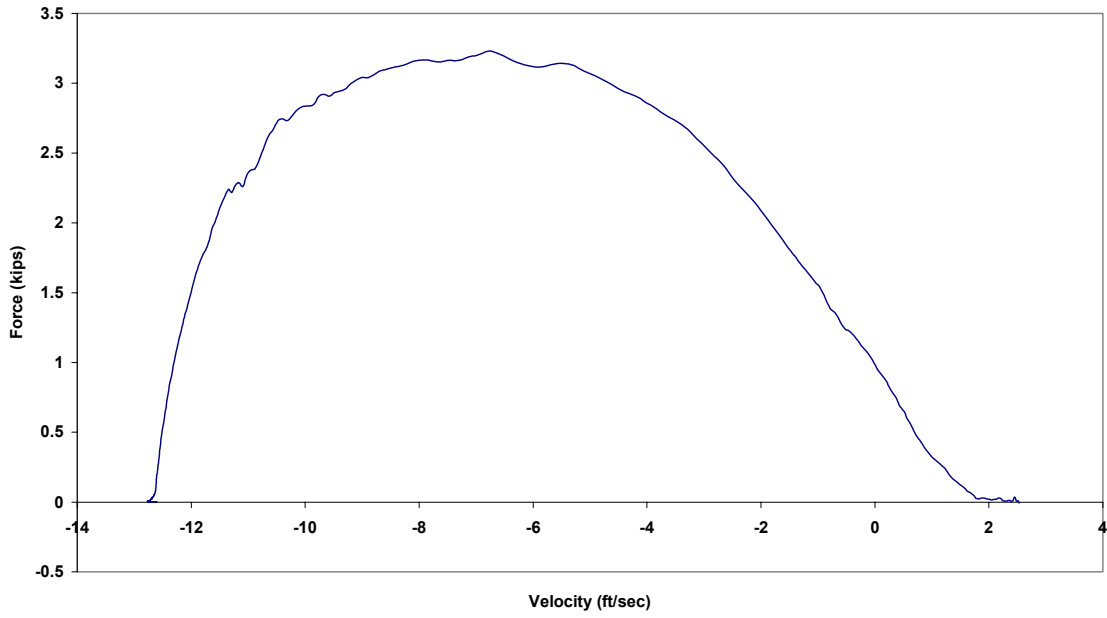


Figure B.13.3 Case 8B: Force vs. Velocity

Case 8B: Precycled 1/2 in. Amsteel (85 lb from 83 in.)

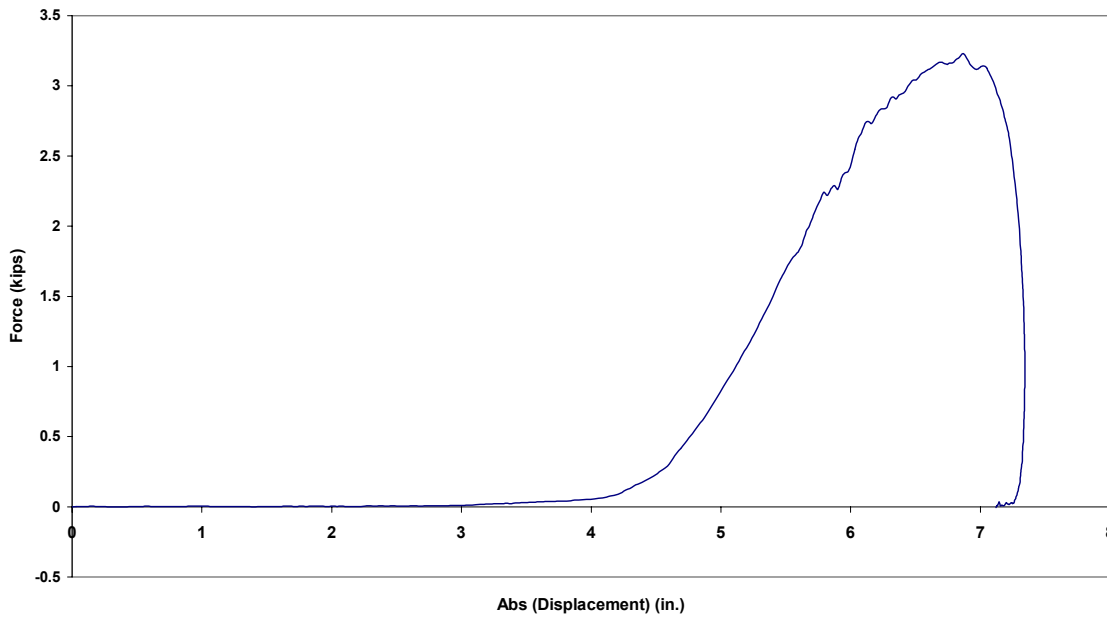


Figure B.13.4 Case 8B: Force vs. Absolute Displacement

Case 9B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

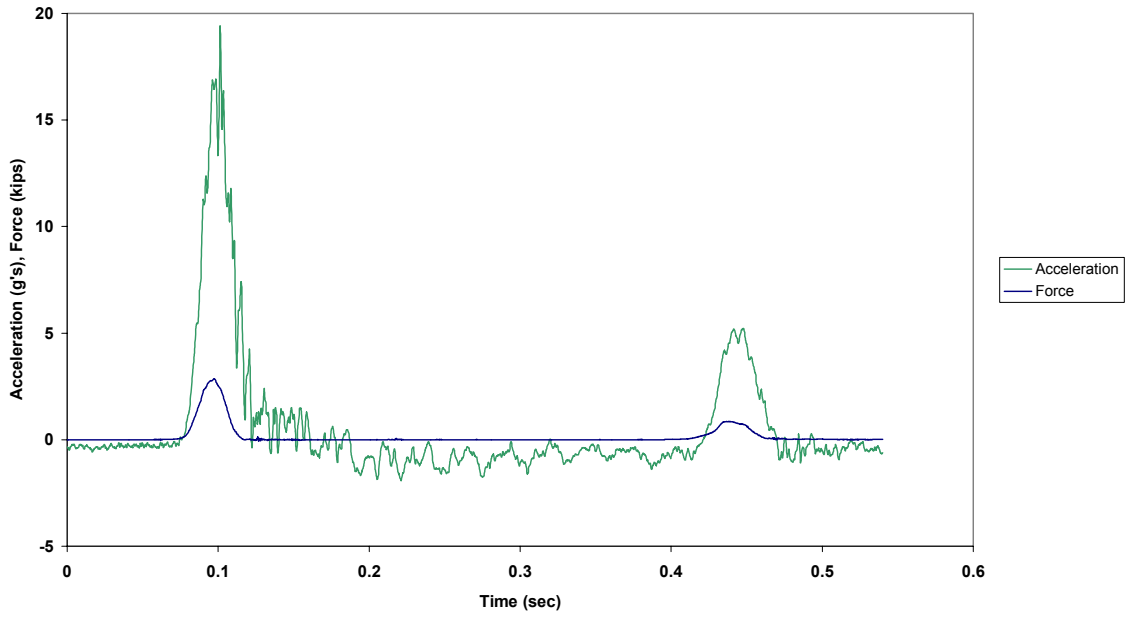


Figure B.14.1 Case 9B: Force and Acceleration vs. Time

Case 9B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

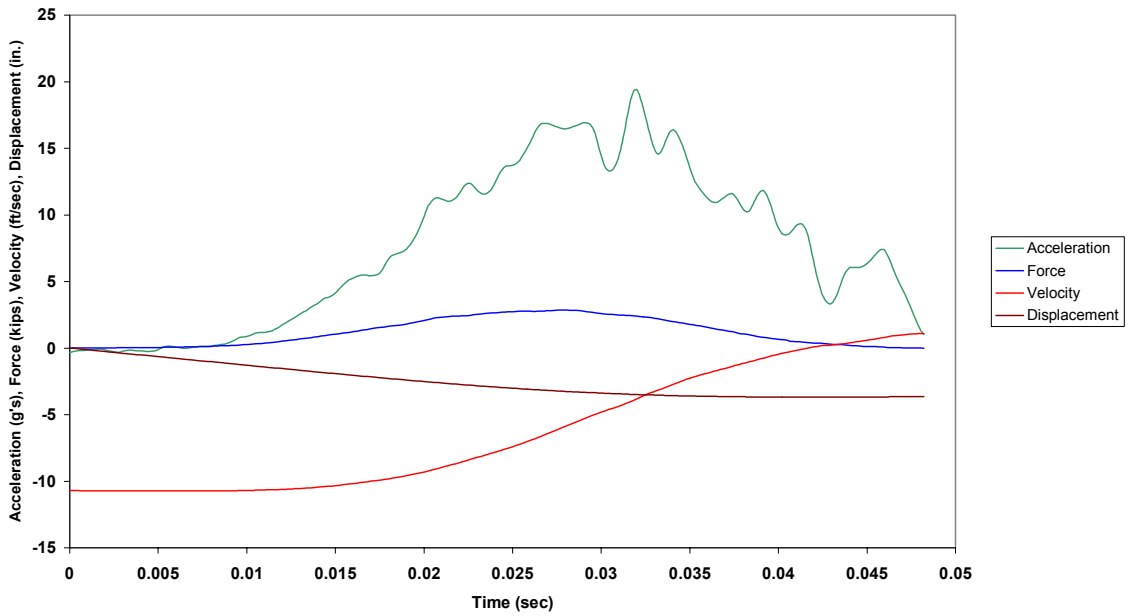


Figure B.14.2 Case 9B: Combined Plot

Case 9B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

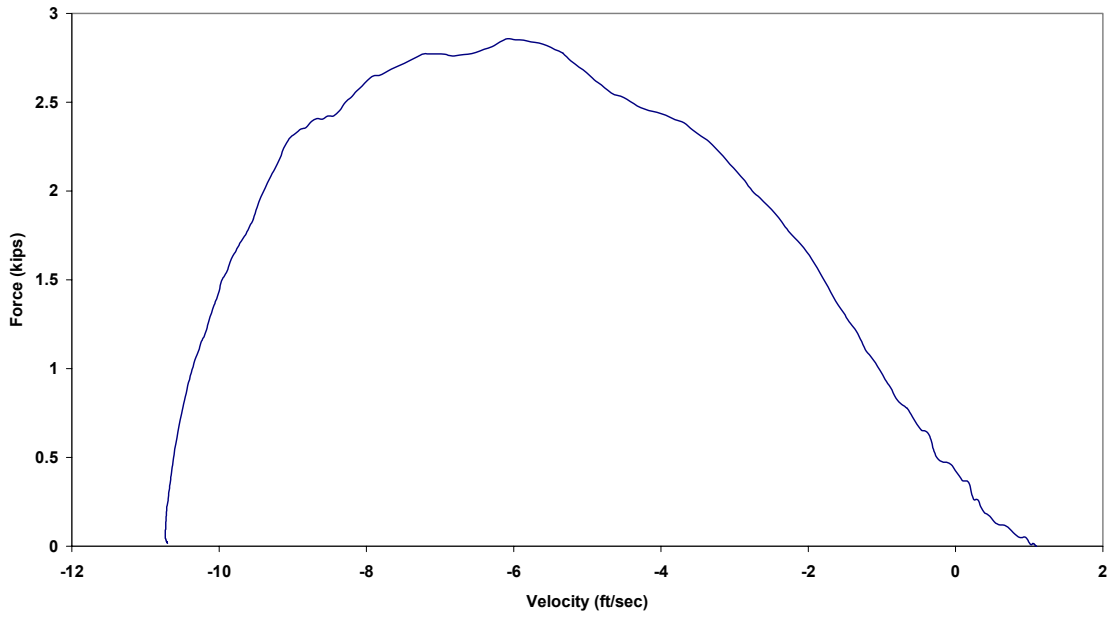


Figure B.14.3 Case 9B: Force vs. Velocity

Case 9B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

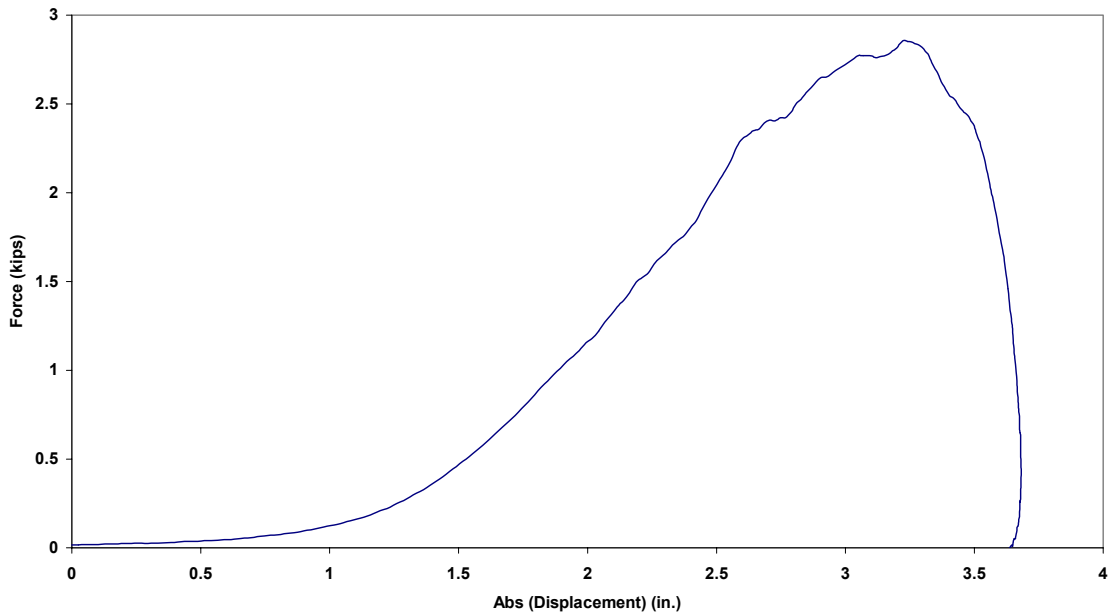


Figure B.14.4 Case 9B: Force vs. Absolute Displacement



Case 10B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

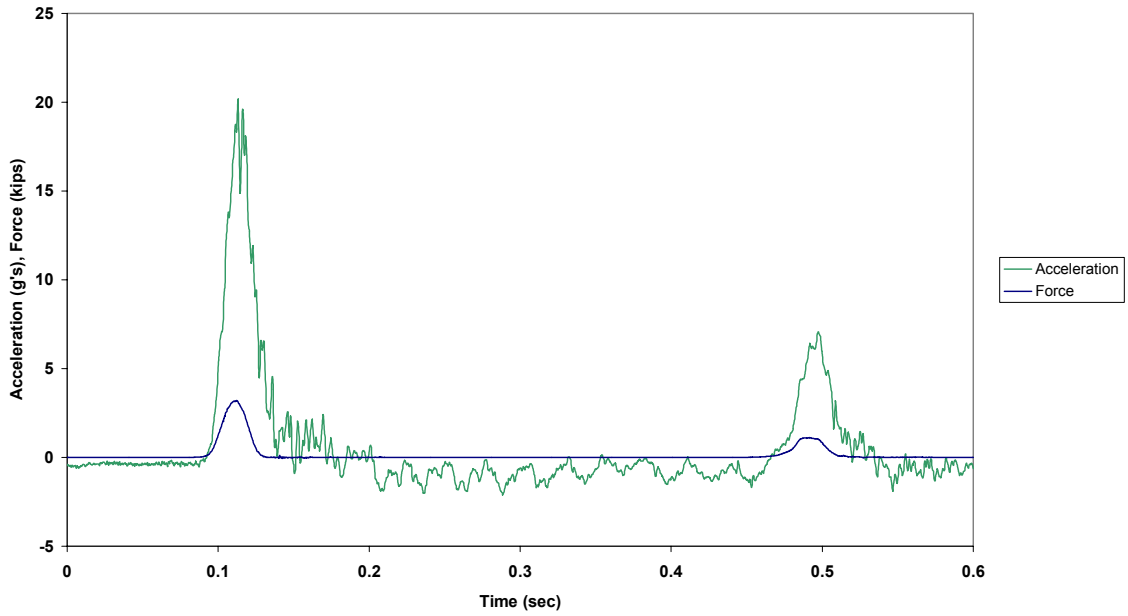


Figure B.15.1 Case 10B: Force and Acceleration vs. Time

Case 10B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

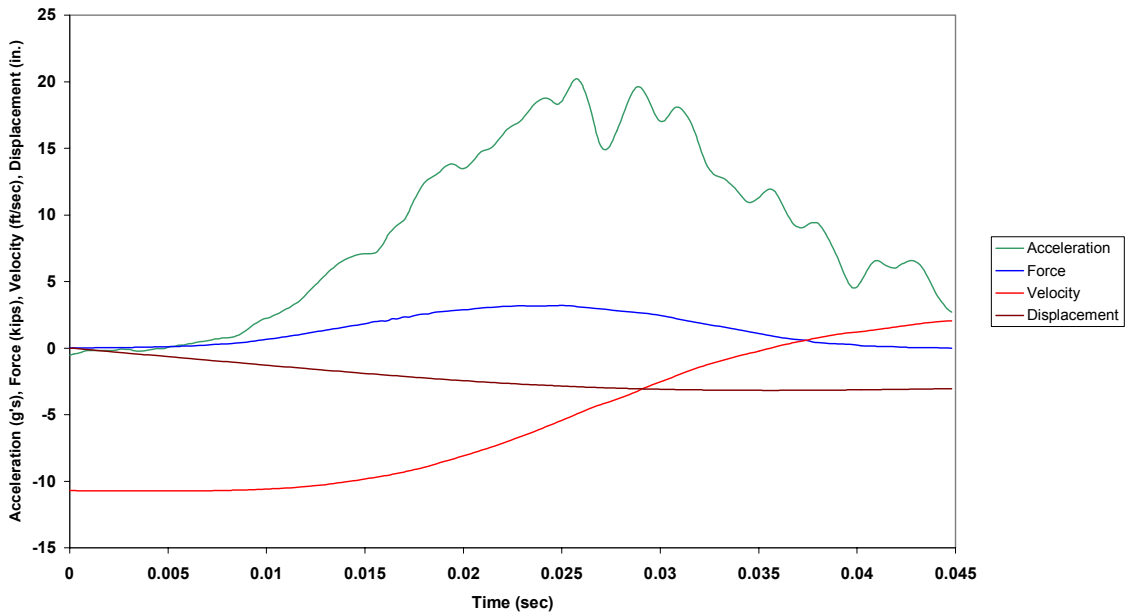


Figure B.15.2 Case 10B: Combined Plot

Case 10B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

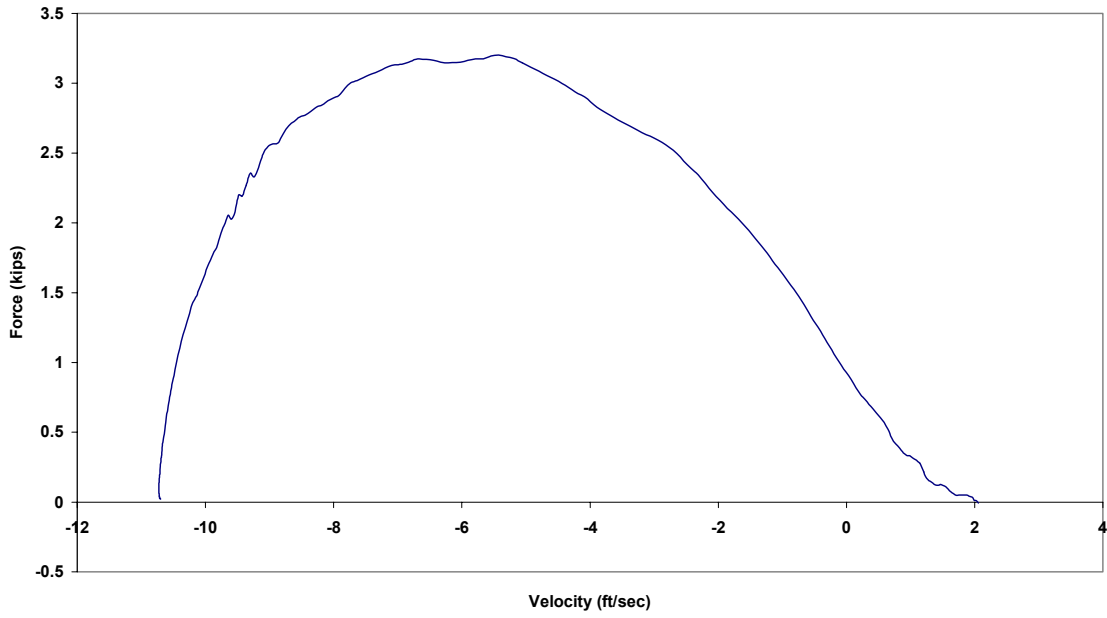


Figure B.15.3 Case 10B: Force vs. Velocity

Case 10B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

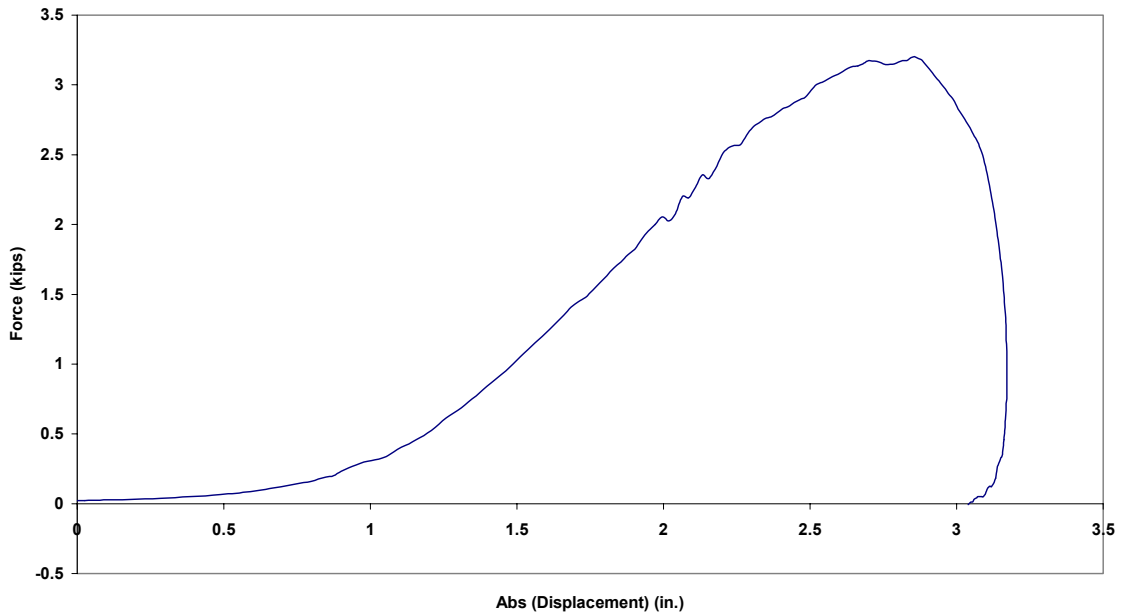


Figure B.15.4 Case 10B: Force vs. Absolute Displacement

Case 11B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

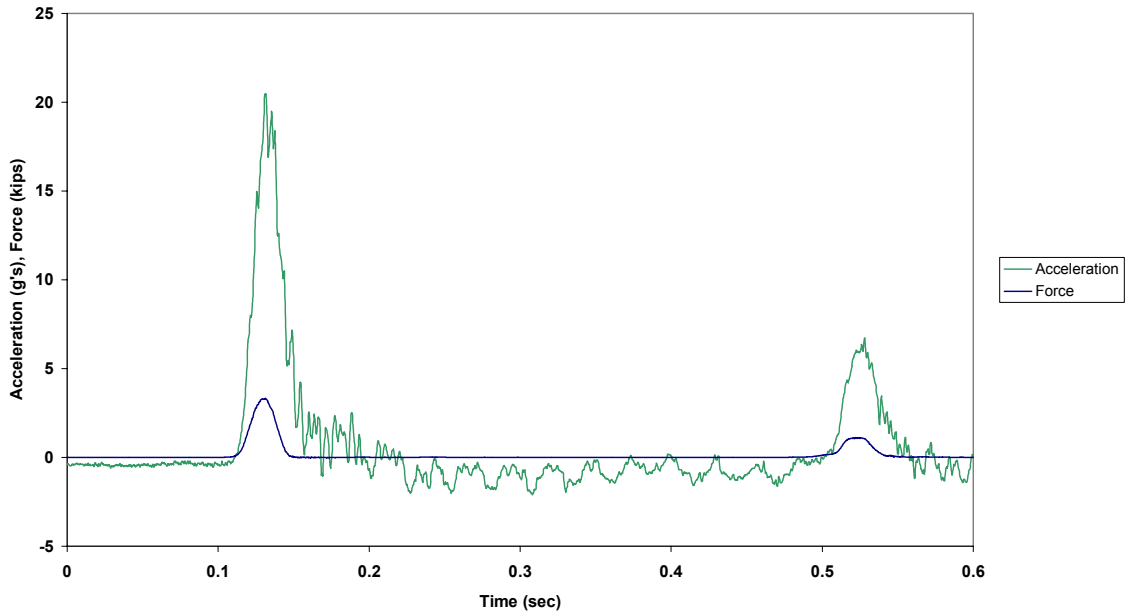


Figure B.16.1 Case 11B: Force and Acceleration vs. Time

Case 11B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

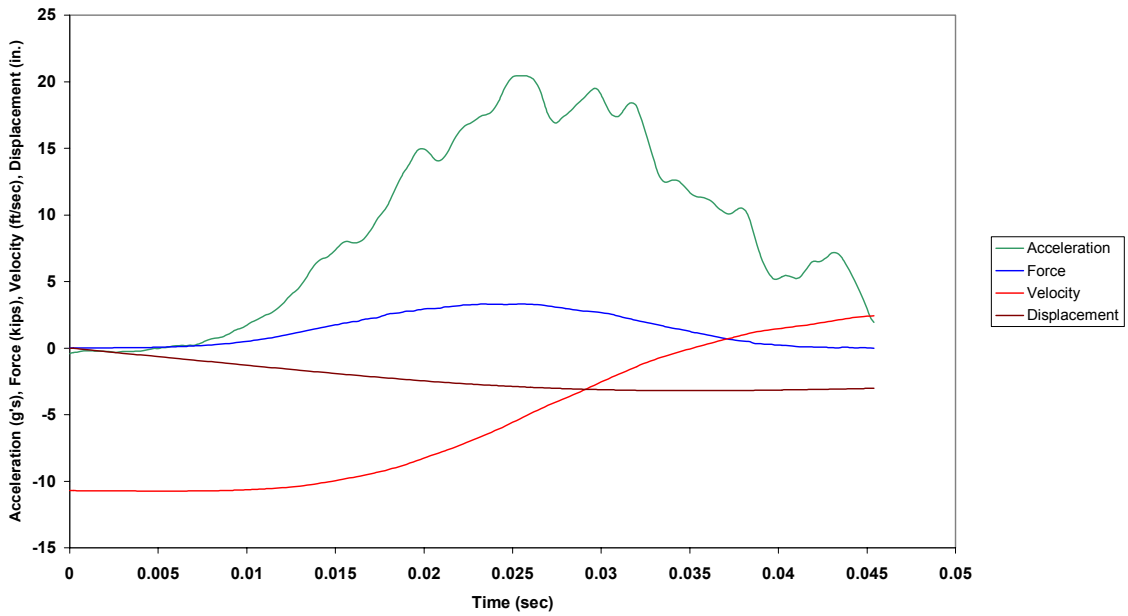


Figure B.16.2 Case 11B: Combined Plot

Case 11B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

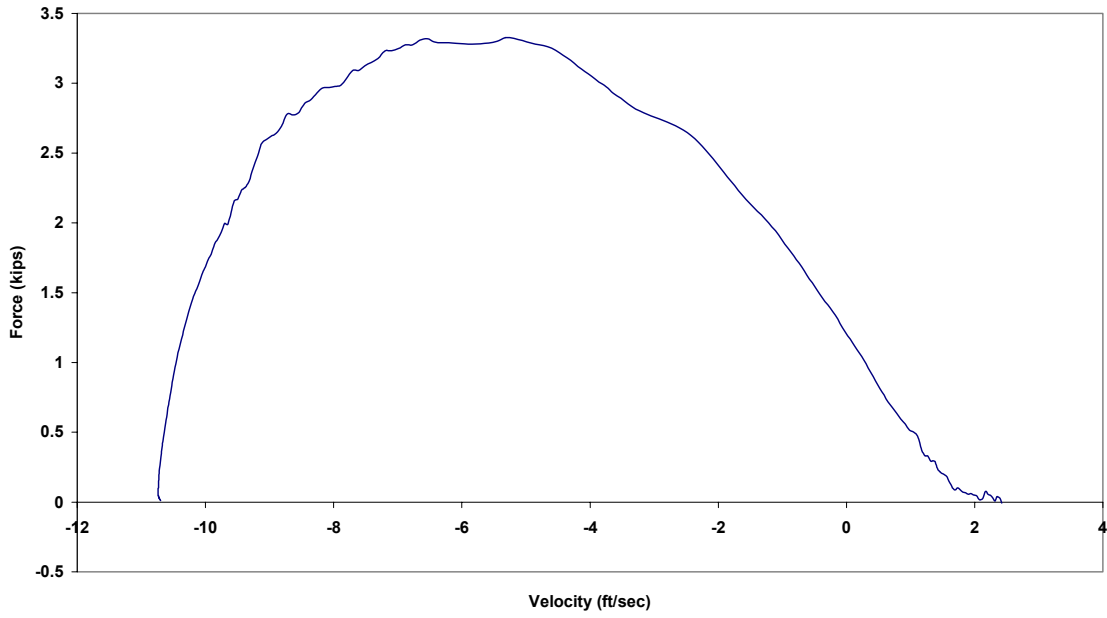


Figure B.16.3 Case 11B: Force vs. Velocity

Case 11B: Precycled 1/2 in. Amsteel (85 lb from 60 in.)

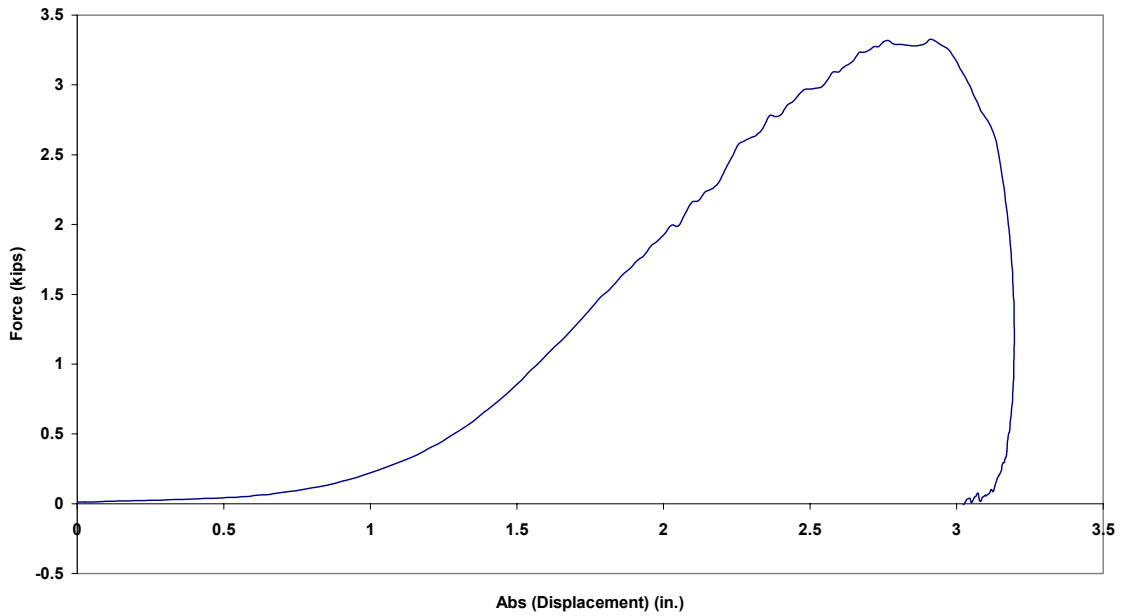


Figure B.16.4 Case 11B: Force vs. Absolute Displacement

Case 1C: New 3/8 in. Amsteel (65 lb from 54 in.)

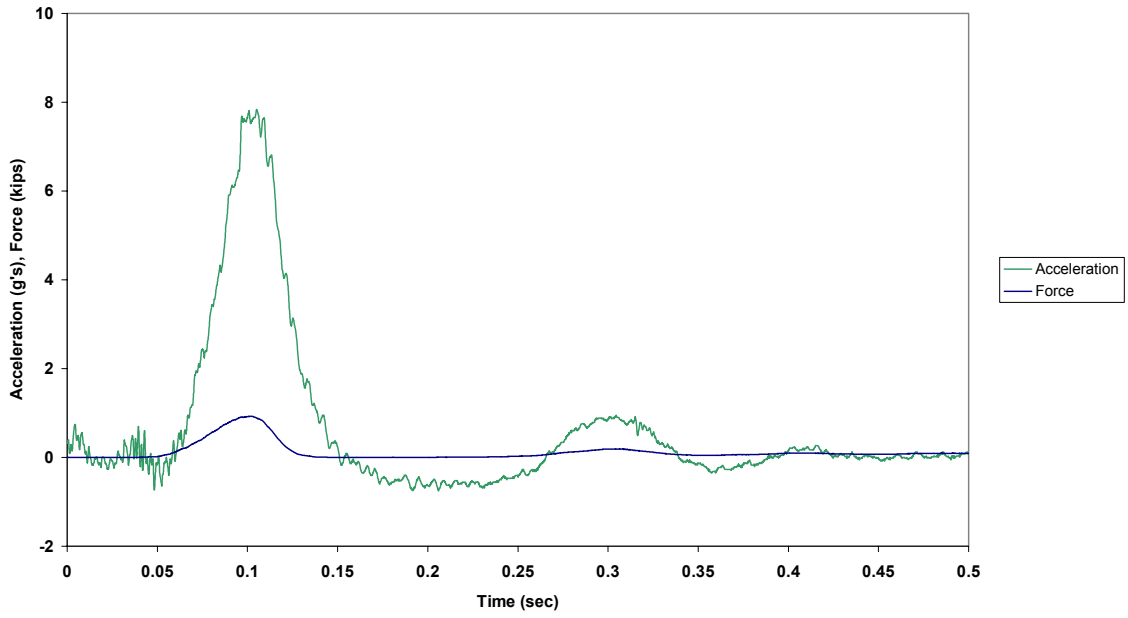


Figure B.17.1 Case 1C: Force and Acceleration vs. Time

Case 1C: New 3/8 in. Amsteel (65 lb from 54 in.)

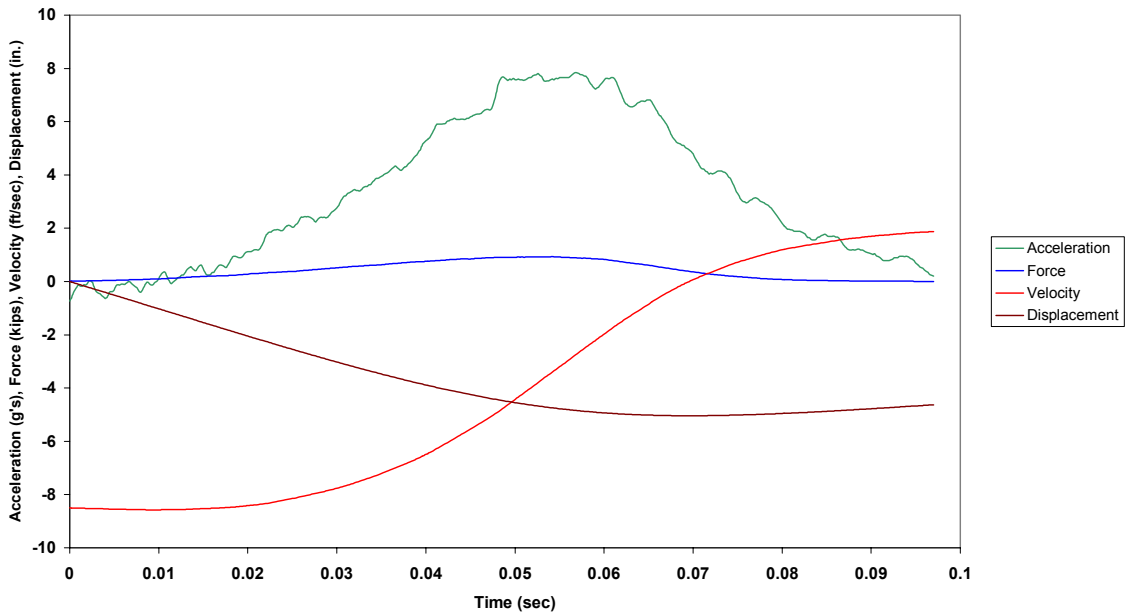


Figure B.17.2 Case 1C: Combined Plot

Case 1C: New 3/8 in. Amsteel (65 lb from 54 in.)

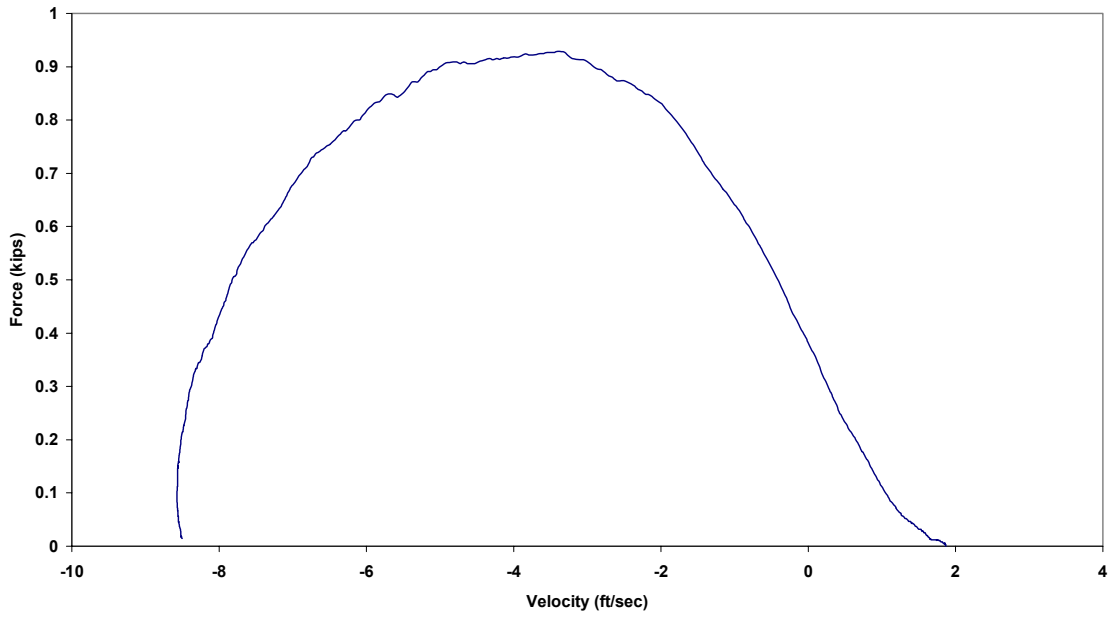


Figure B.17.3 Case 1C: Force vs. Velocity

Case 1C: New 3/8 in. Amsteel (65 lb from 54 in.)

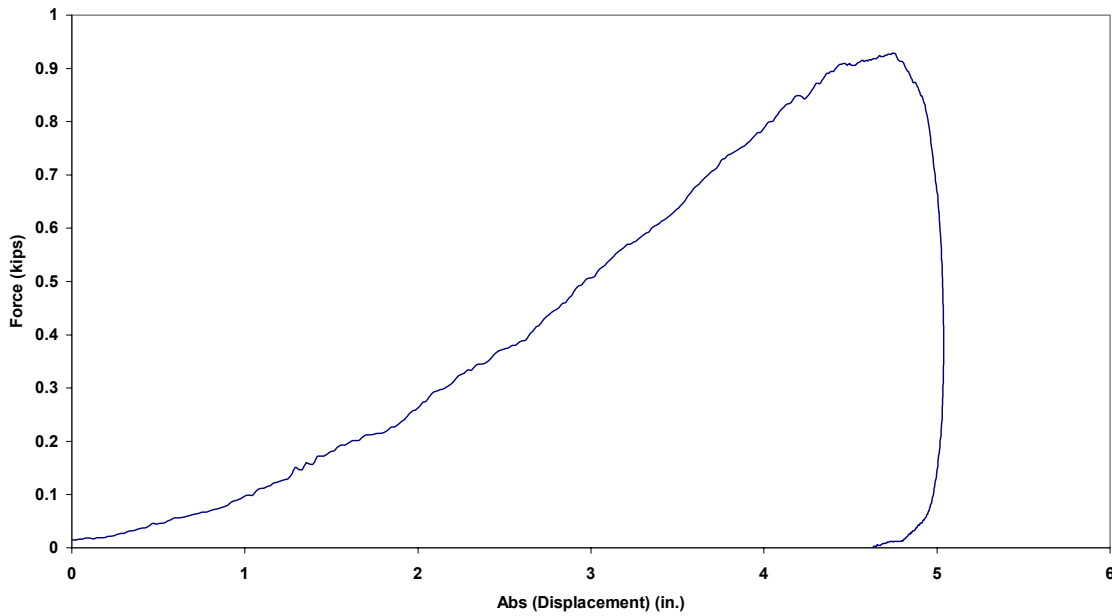


Figure B.17.4 Case 1C: Force vs. Absolute Displacement

Case 2C: New 3/8 in. Amsteel (65 lb from 66 in.)

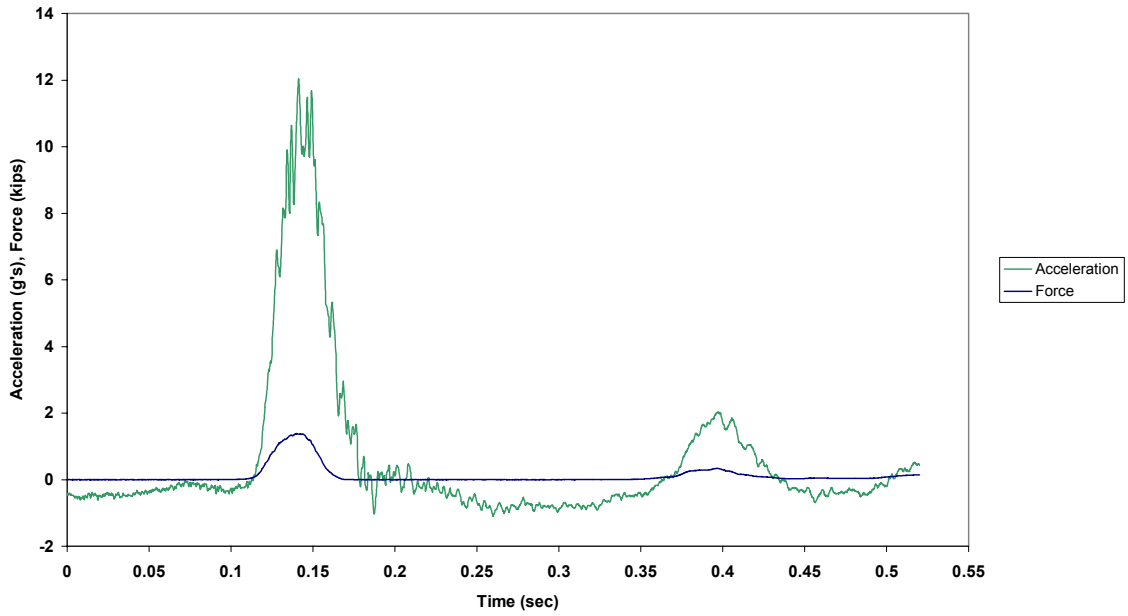


Figure B.18.1 Case 2C: Force and Acceleration vs. Time

Case 2C: New 3/8 in. Amsteel (65 lb from 66 in.)

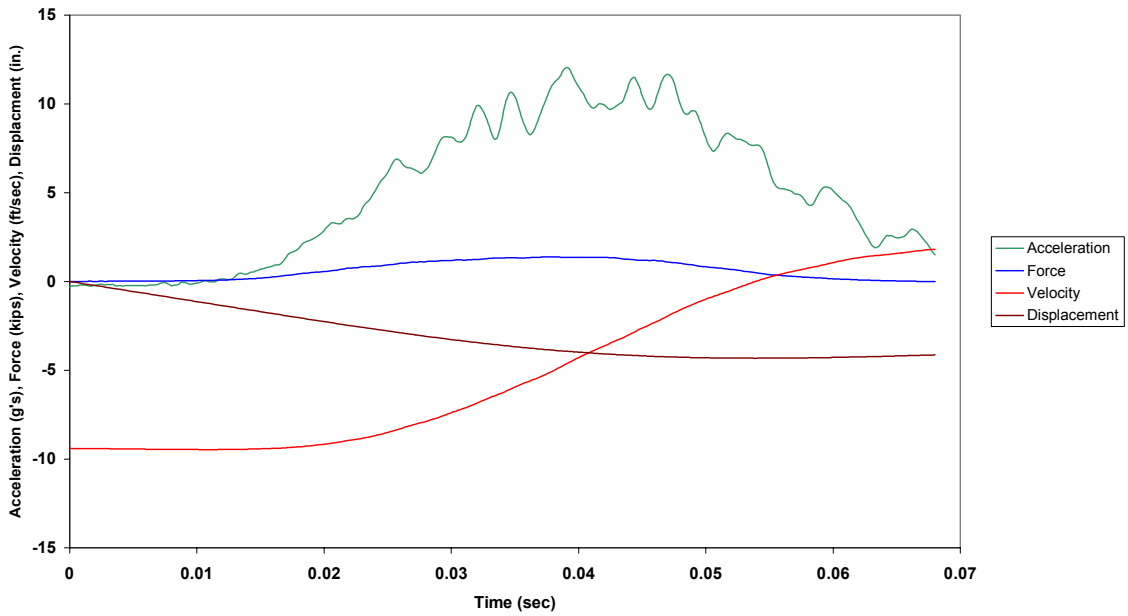


Figure B.18.2 Case 2C: Combined Plot

Case 2C: New 3/8 in. Amsteel (65 lb from 66 in.)

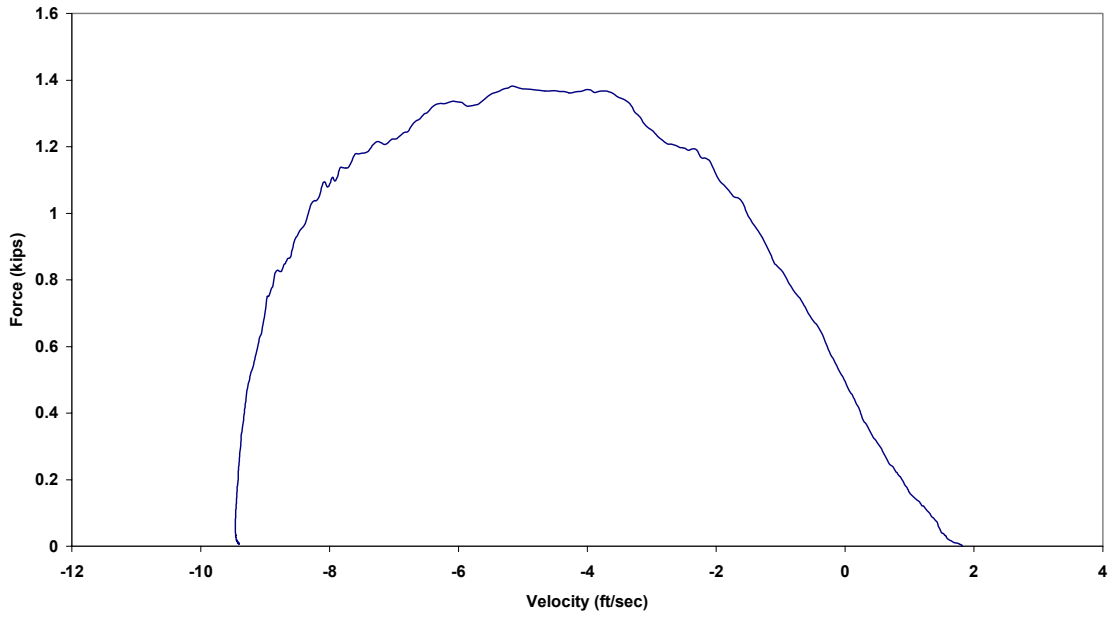


Figure B.18.3 Case 2C: Force vs. Velocity

Case 2C: New 3/8 in. Amsteel (65 lb from 66 in.)

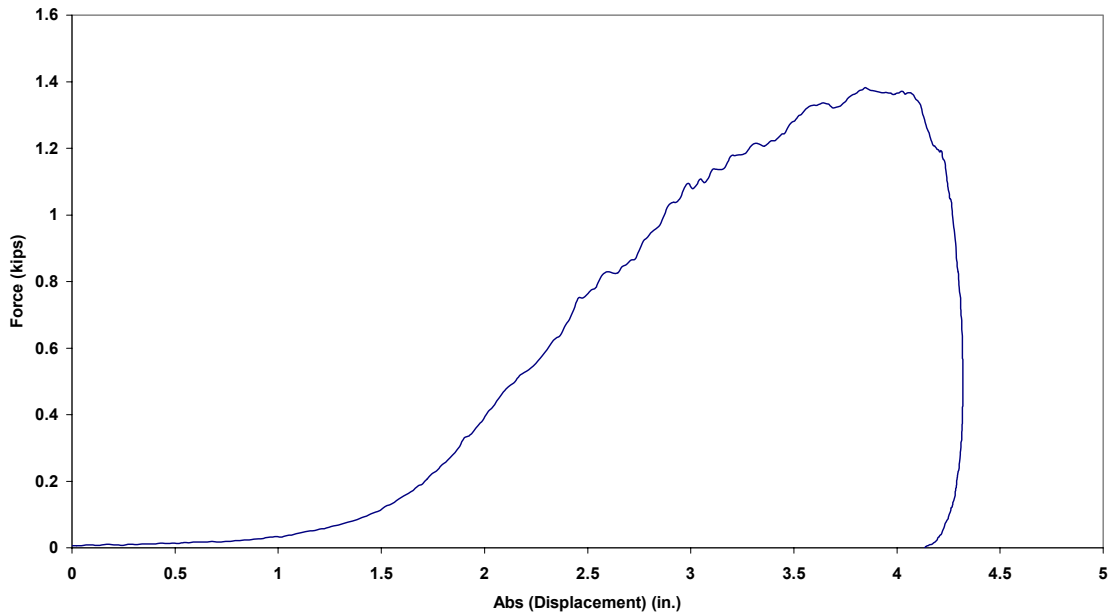


Figure B.18.4 Case 2C: Force vs. Absolute Displacement



Case 3C: New 3/8 in. Amsteel (65 lb from 78 in.)

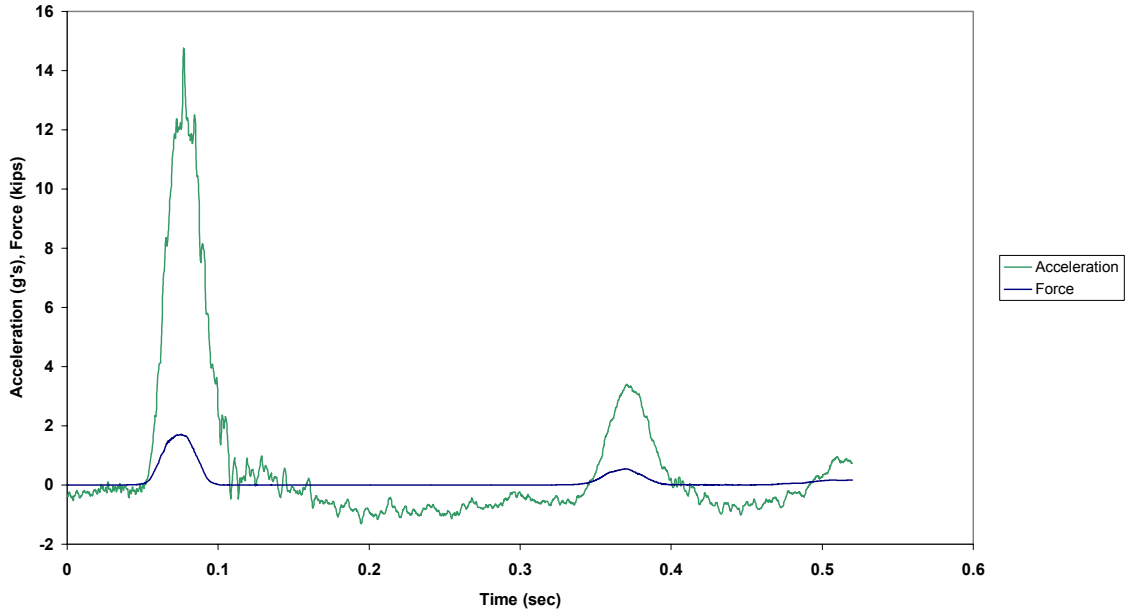


Figure B.19.1 Case 3C: Force and Acceleration vs. Time

Case 3C: New 3/8 in. Amsteel (65 lb from 78 in.)

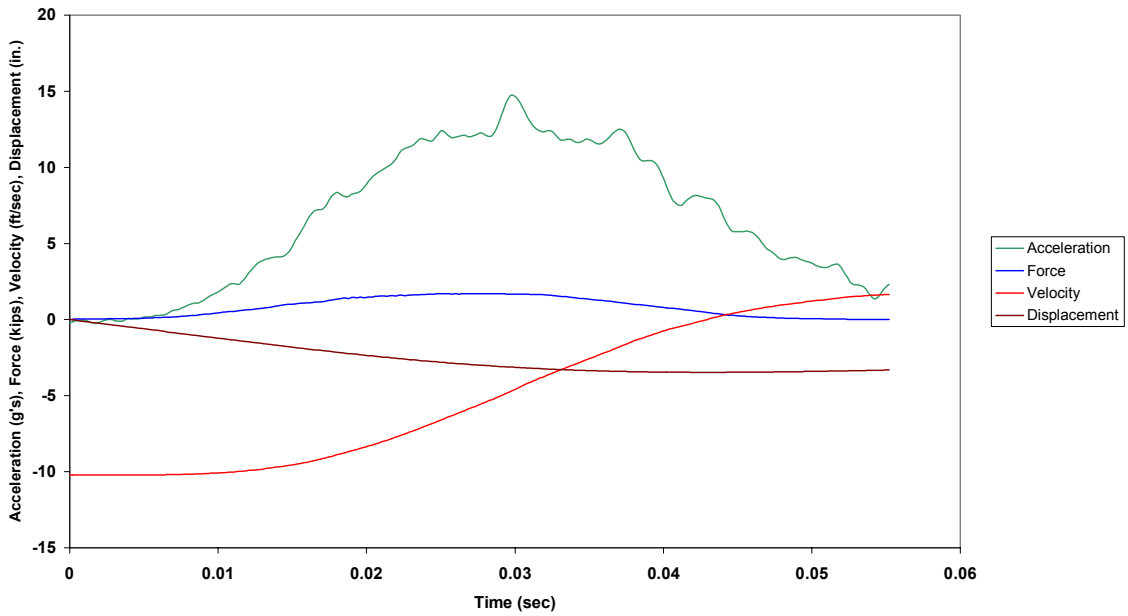


Figure B.19.2 Case 3C: Combined Plot

Case 3C: New 3/8 in. Amsteel (65 lb from 78 in.)

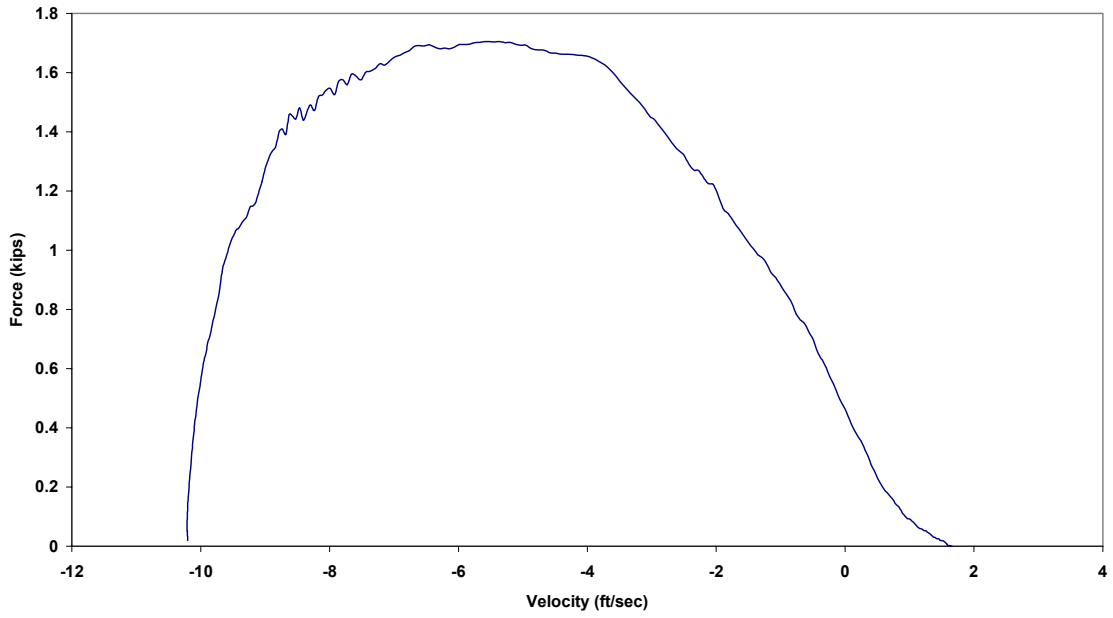


Figure B.19.3 Case 3C: Force vs. Velocity

Case 3C: New 3/8 in. Amsteel (65 lb from 78 in.)

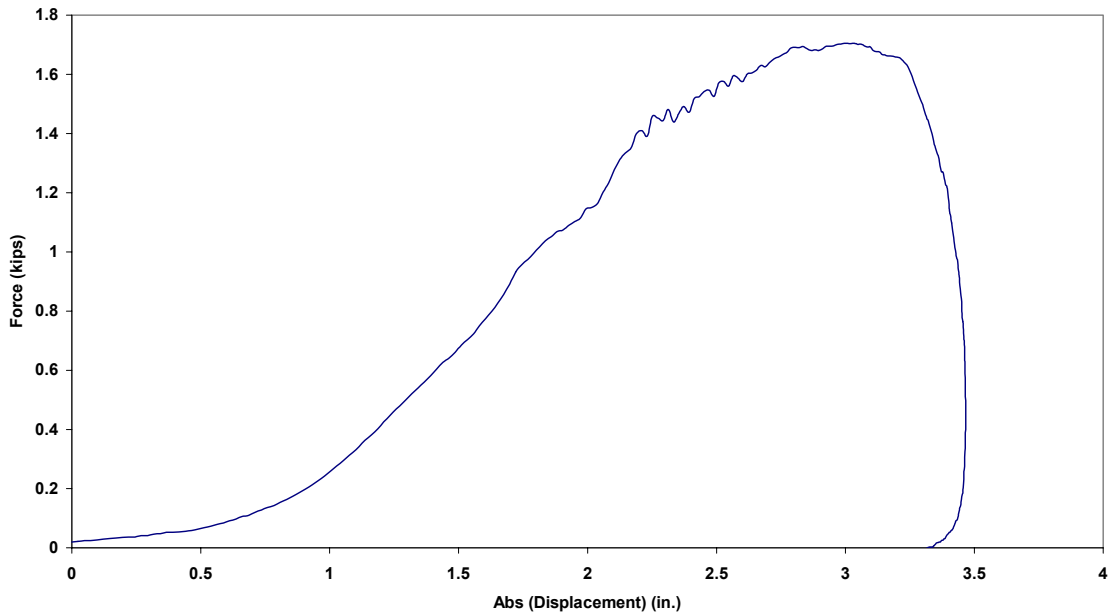


Figure B.19.4 Case 3C: Force vs. Absolute Displacement

Case 4C: New 3/8 in. Amsteel (65 lb from 90 in.)

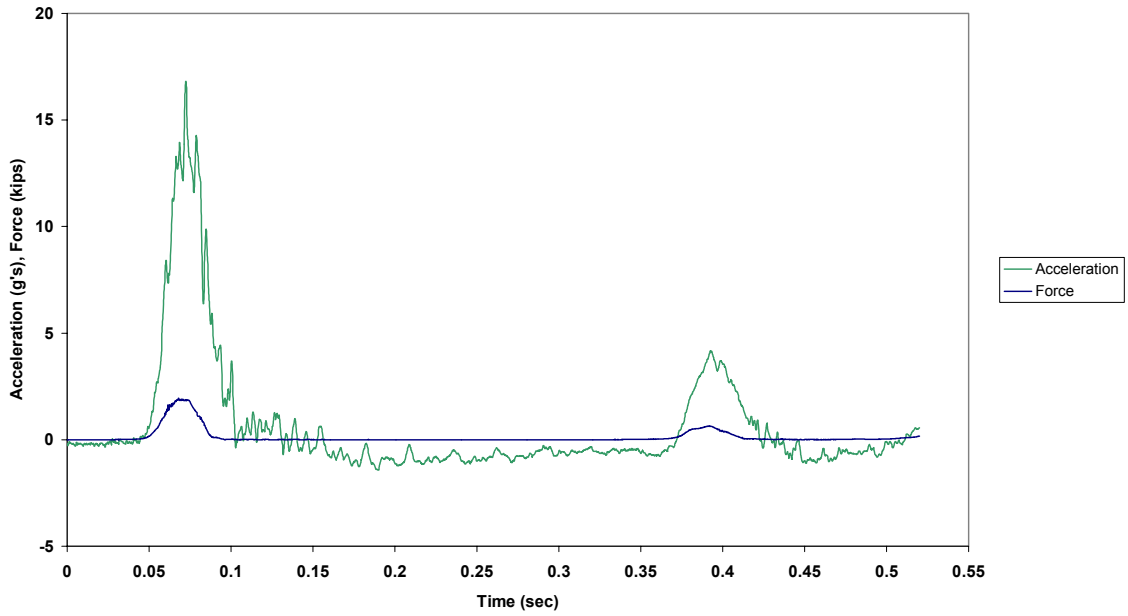


Figure B.20.1 Case 4C: Force and Acceleration vs. Time

Case 4C: New 3/8 in. Amsteel (65 lb from 90 in.)

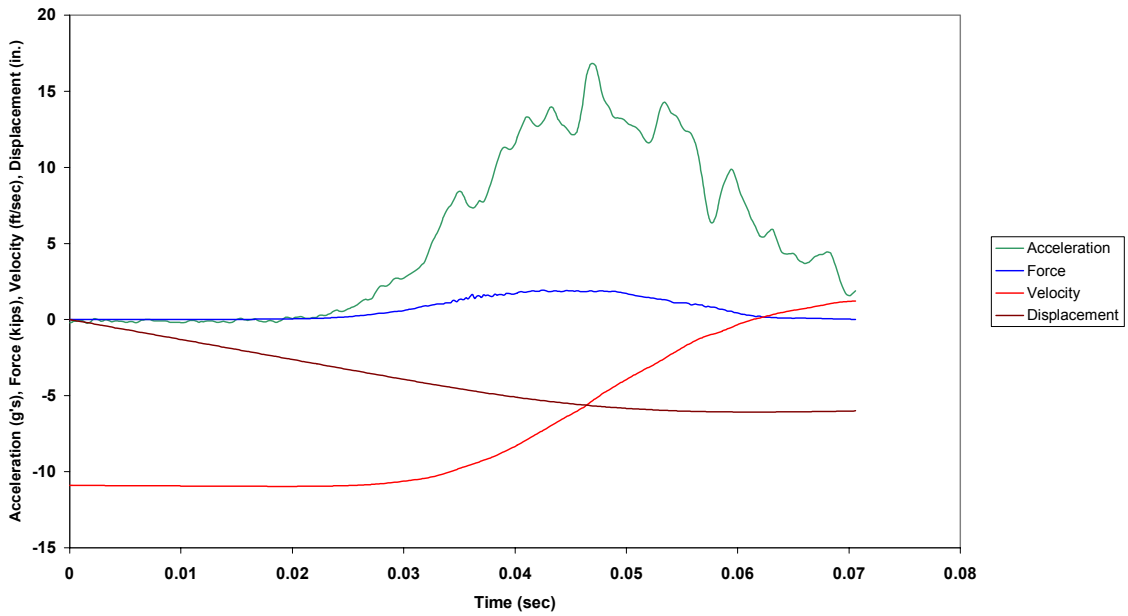


Figure B.20.2 Case 4C: Combined Plot

Case 4C: New 3/8 in. Amsteel (65 lb from 90 in.)

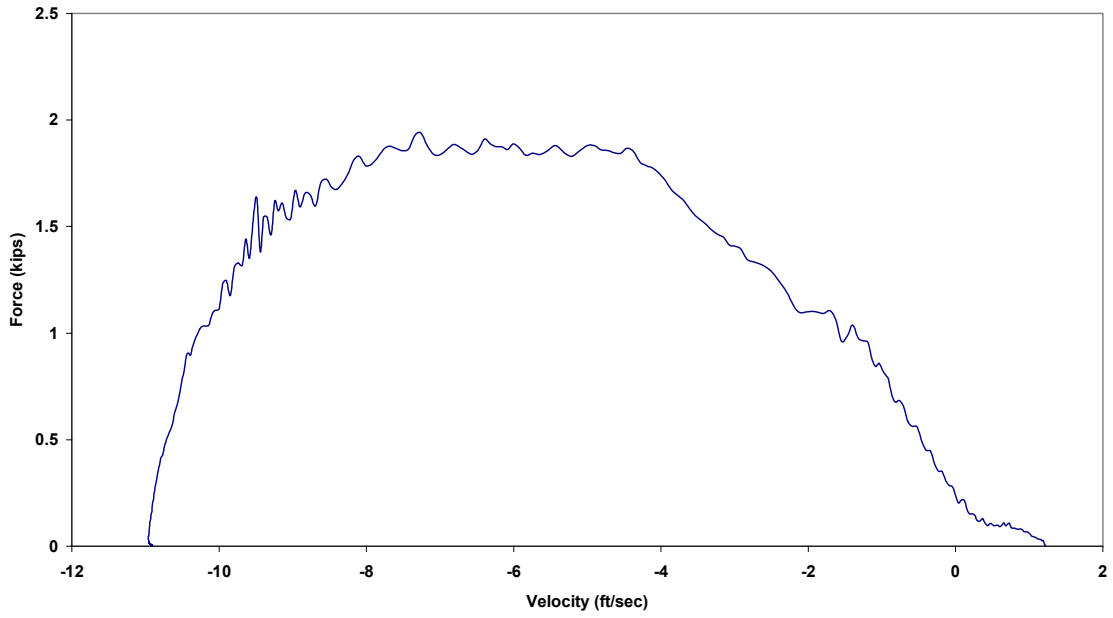


Figure B.20.3 Case 4C: Force vs. Velocity

Case 4C: New 3/8 in. Amsteel (65 lb from 90 in.)

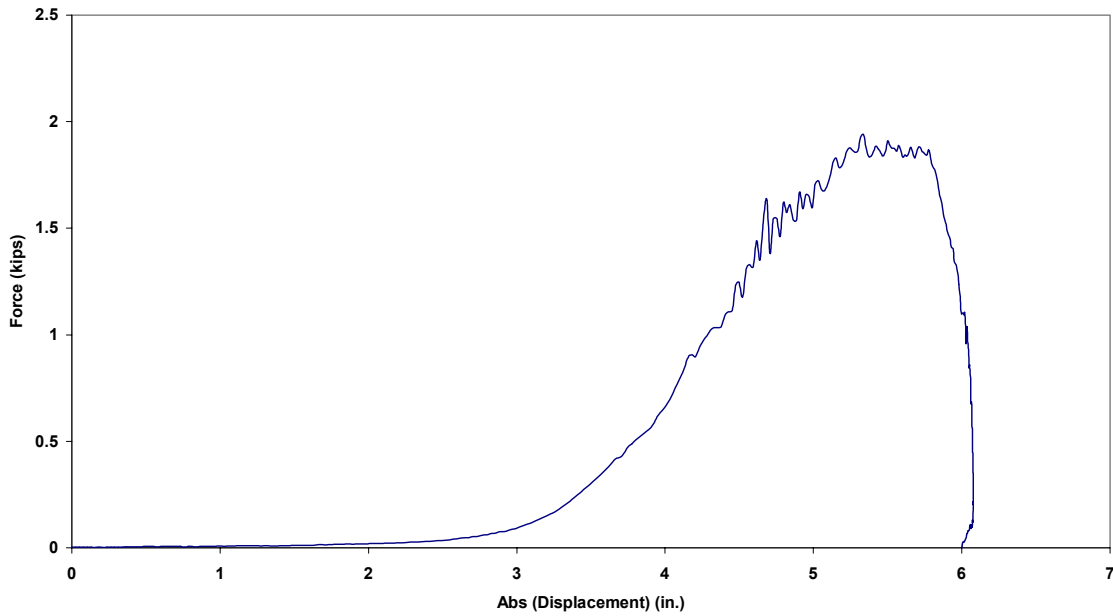


Figure B.20.4 Case 4C: Force vs. Absolute Displacement

Case 5C: New 3/8 in. Amsteel (85 lb from 54 in.)

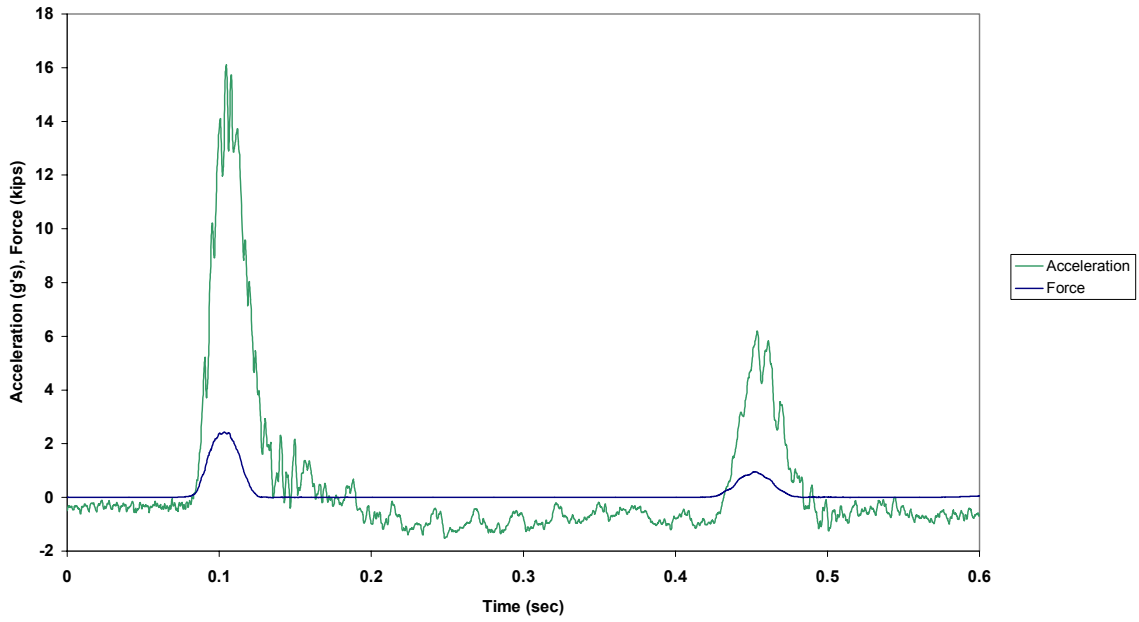


Figure B.21.1 Case 5C: Force and Acceleration vs. Time

Case 5C: New 3/8 in. Amsteel (85 lb from 54 in.)

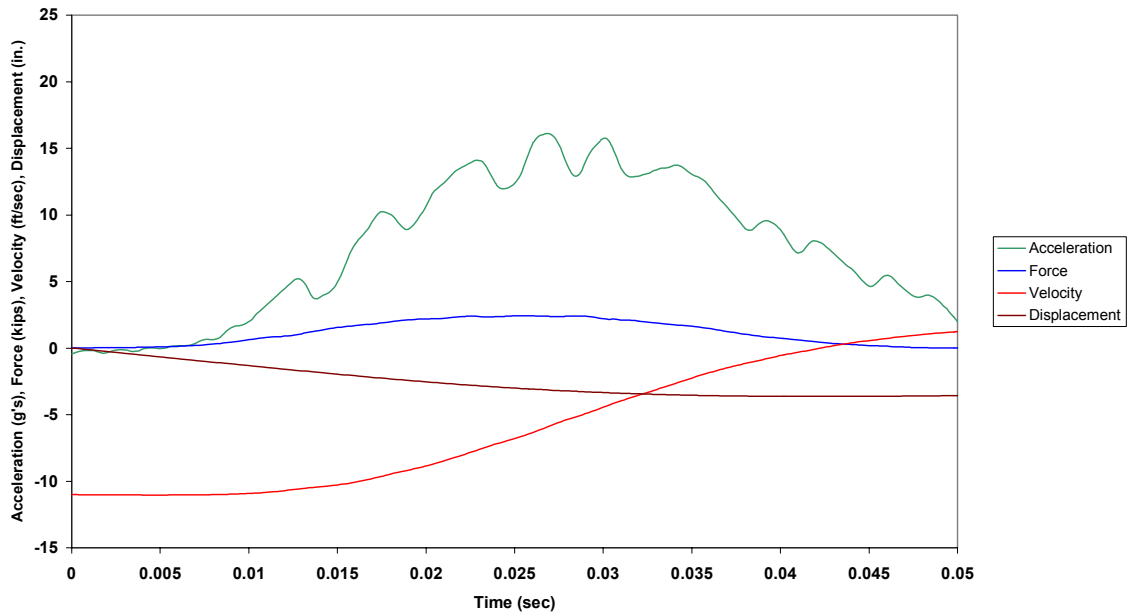


Figure B.21.2 Case 5C: Combined Plot

Case 5C: New 3/8 in. Amsteel (85 lb from 54 in.)

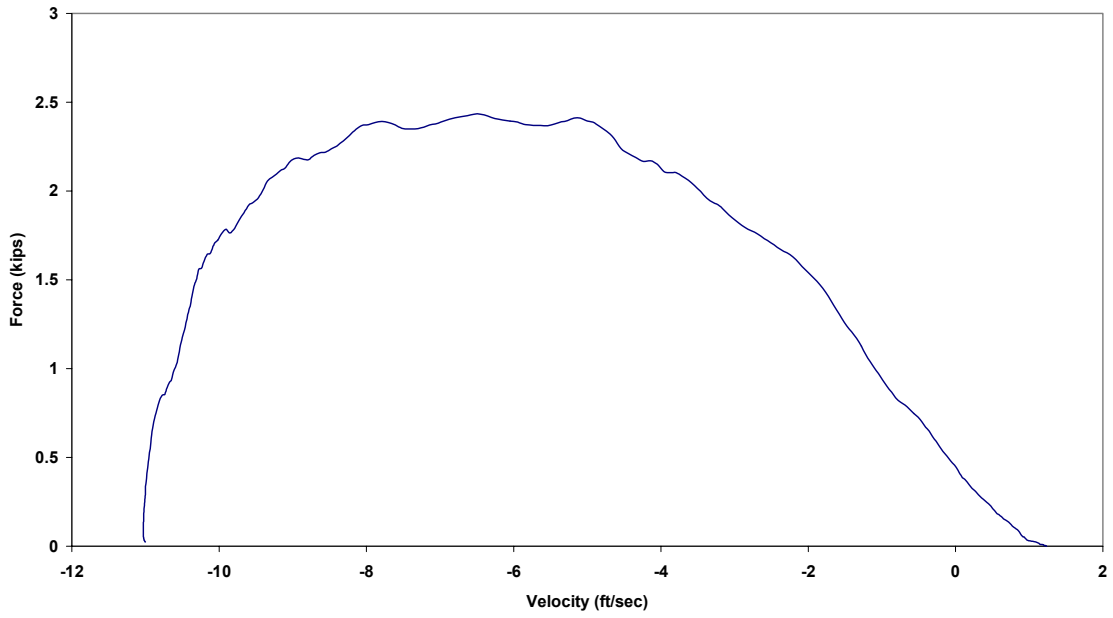


Figure B.21.3 Case 5C: Force vs. Velocity

Case 5C: New 3/8 in. Amsteel (85 lb from 54 in.)

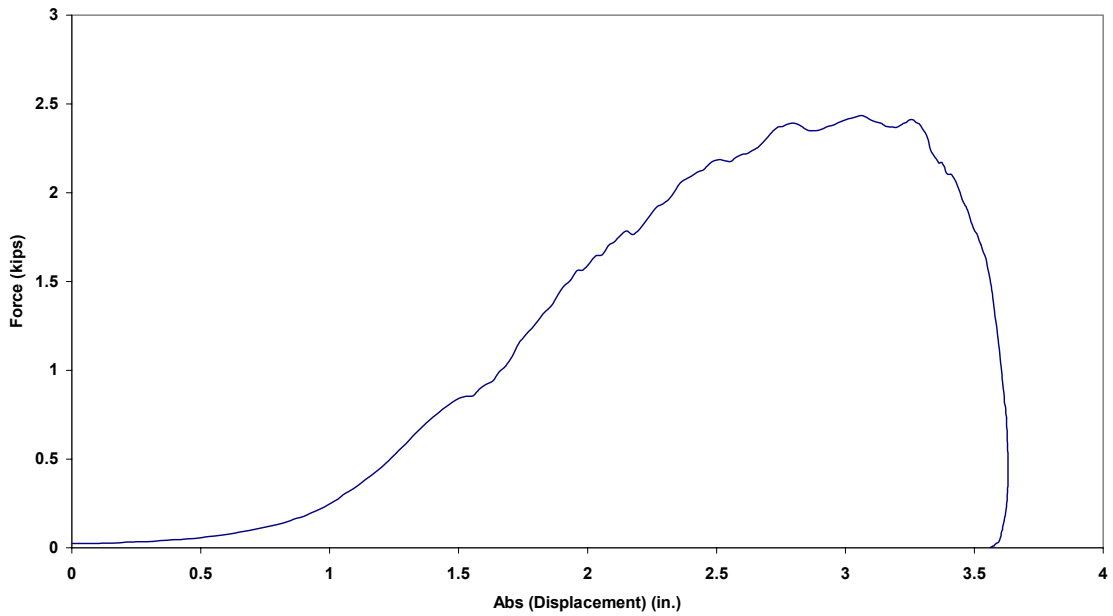


Figure B.21.4 Case 5C: Force vs. Absolute Displacement

Case 6C: New 3/8 in. Amsteel (85 lb from 54 in.)

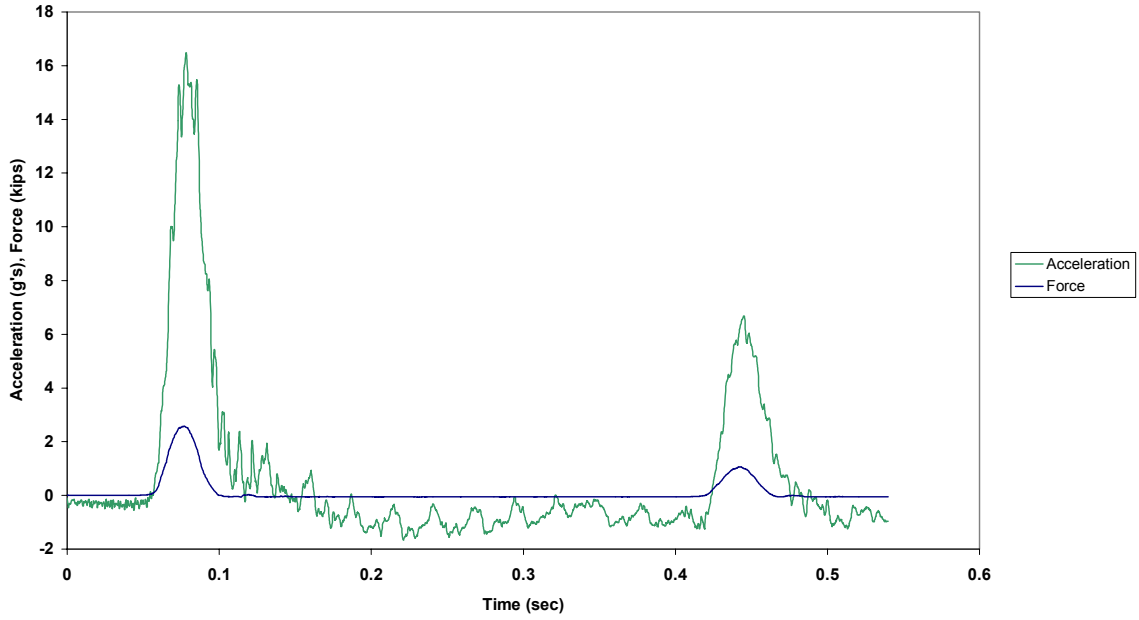


Figure B.22.1 Case 6C: Force and Acceleration vs. Time

Case 6C: New 3/8 in. Amsteel (85 lb from 54 in.)

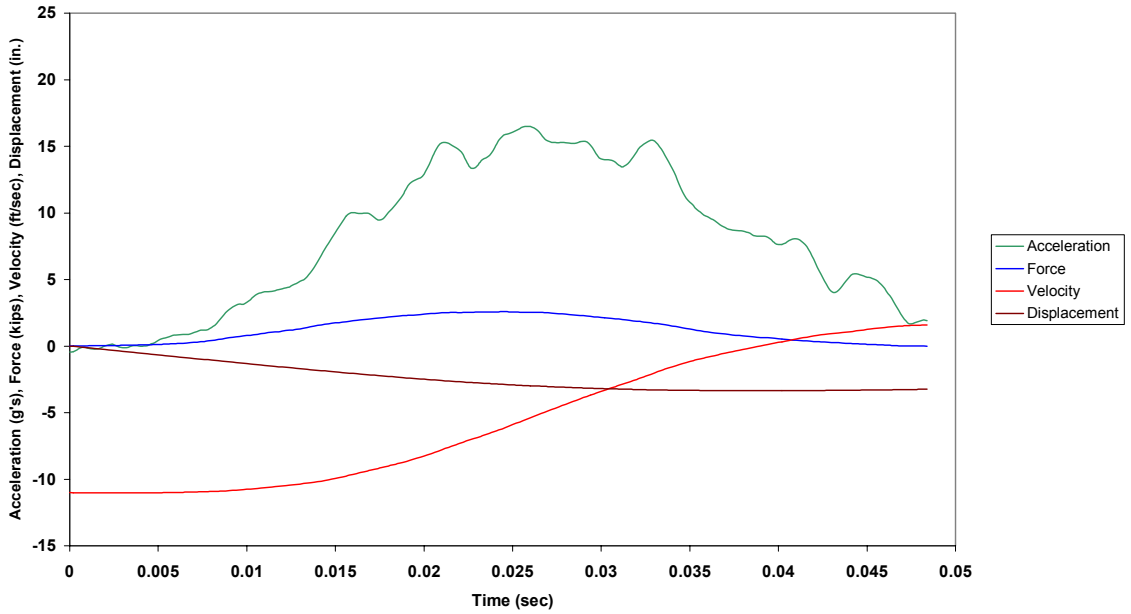


Figure B.22.2 Case 6C: Combined Plot

Case 6C: New 3/8 in. Amsteel (85 lb from 54 in.)

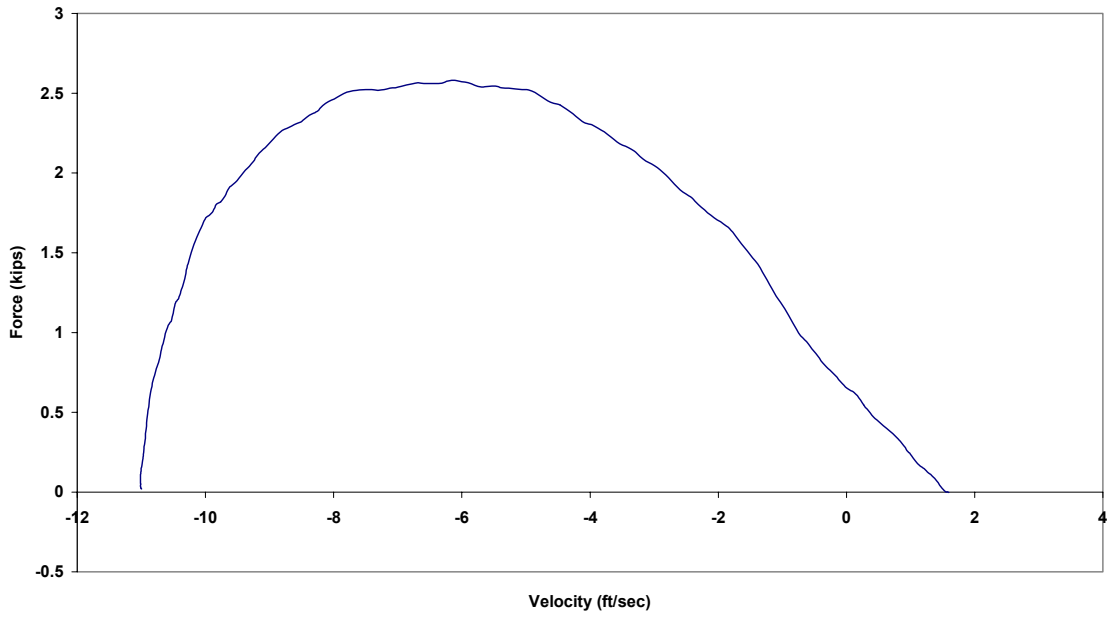


Figure B.22.3 Case 6C: Force vs. Velocity

Case 6C: New 3/8 in. Amsteel (85 lb from 54 in.)



Figure B.22.4 Case 6C: Force vs. Absolute Displacement



Case 7C: New 3/8 in. Amsteel (85 lb from 54 in.)

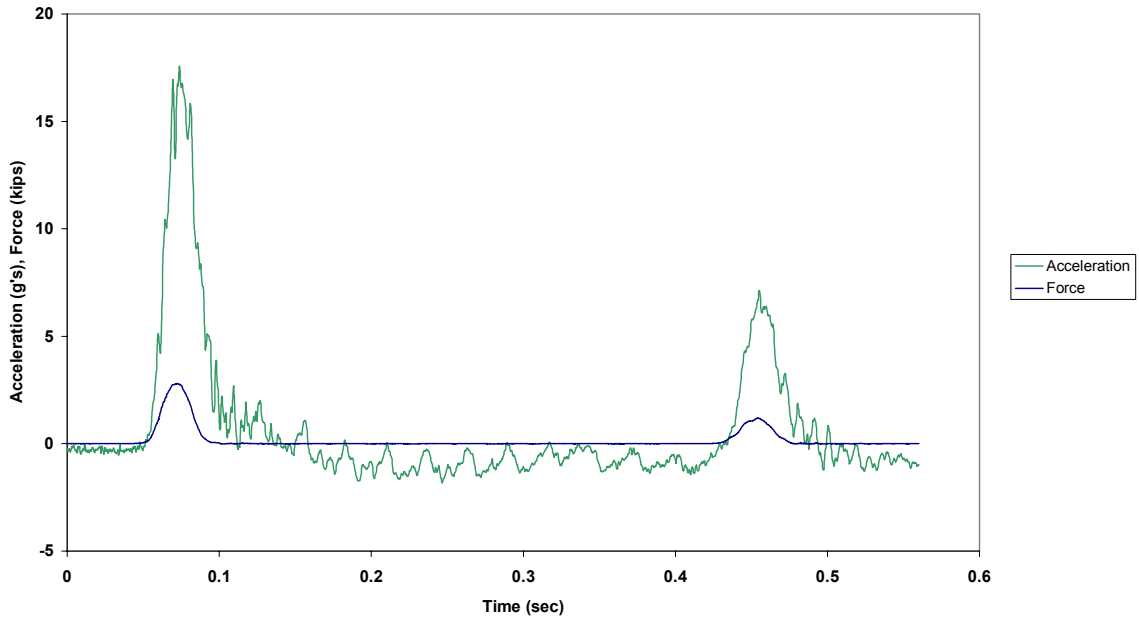


Figure B.23.1 Case 7C: Force and Acceleration vs. Time

Case 7C: New 3/8 in. Amsteel (85 lb from 54 in.)

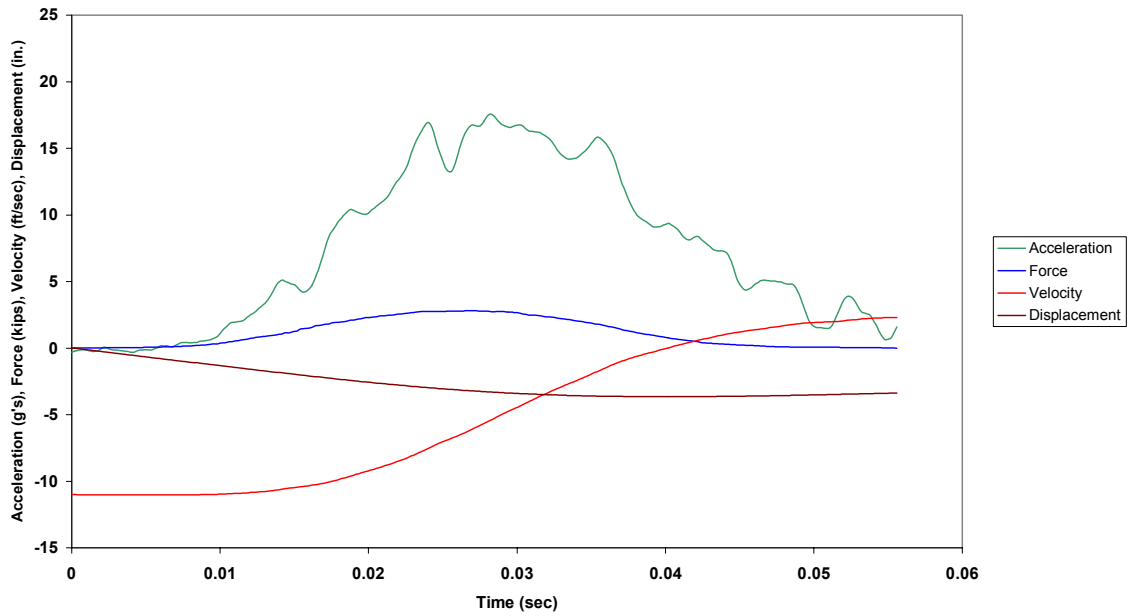


Figure B.23.2 Case 7C: Combined Plot

Case 7C: New 3/8 in. Amsteel (85 lb from 54 in.)

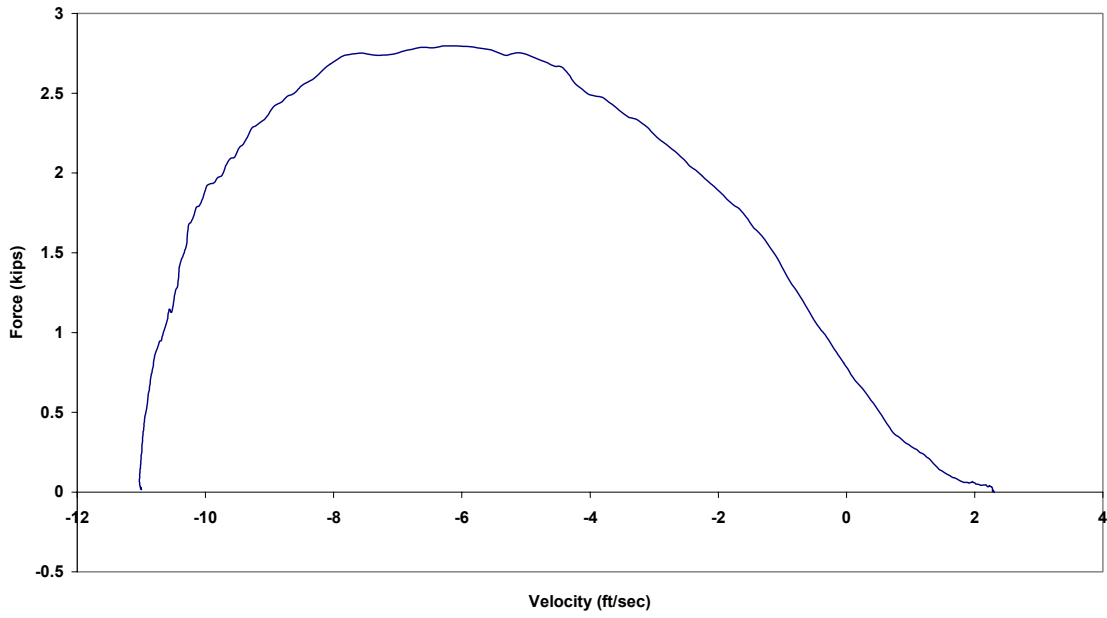


Figure B.23.3 Case 7C: Force vs. Velocity

Case 7C: New 3/8 in. Amsteel (85 lb from 54 in.)

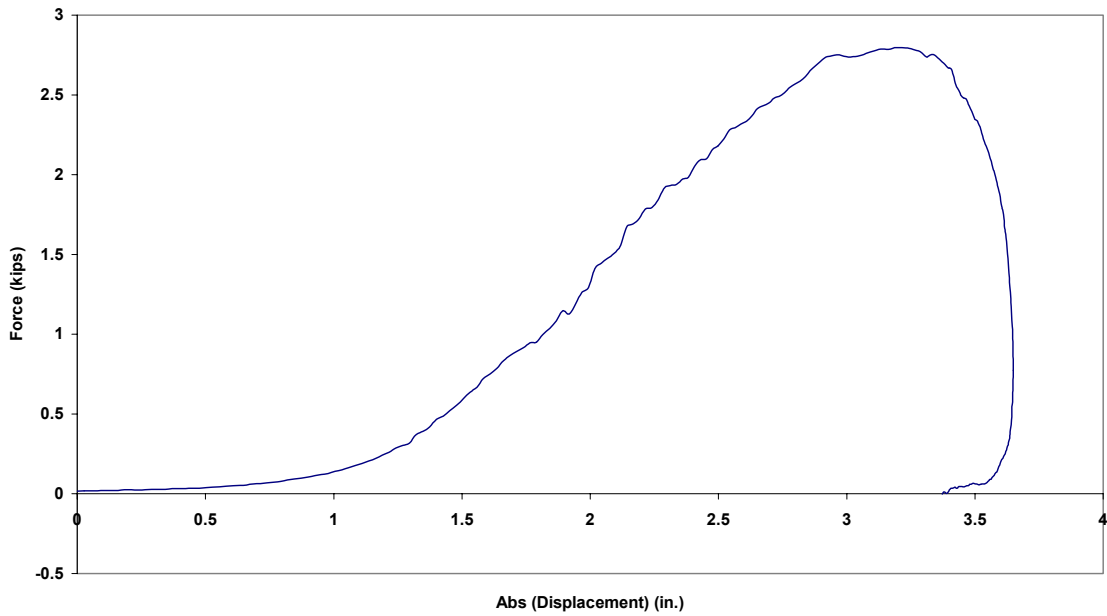


Figure B.23.4 Case 7C: Force vs. Absolute Displacement

Case 8C: New 3/8 in. Amsteel (65 lb from 54 in.)

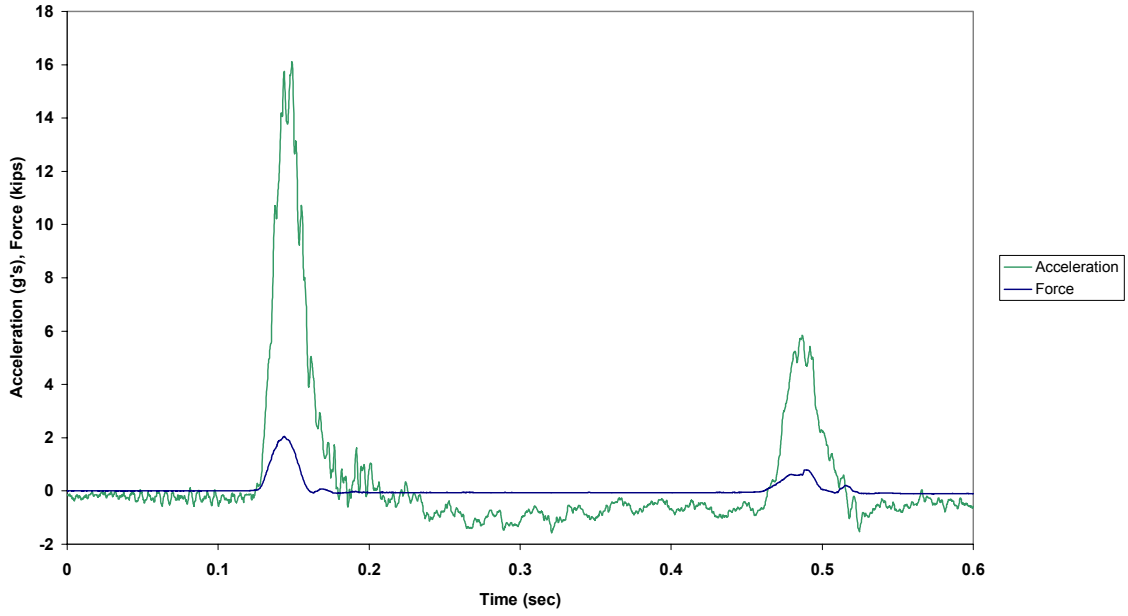


Figure B.24.1 Case 8C: Force and Acceleration vs. Time

Case 8C: New 3/8 in. Amsteel (65 lb from 54 in.)

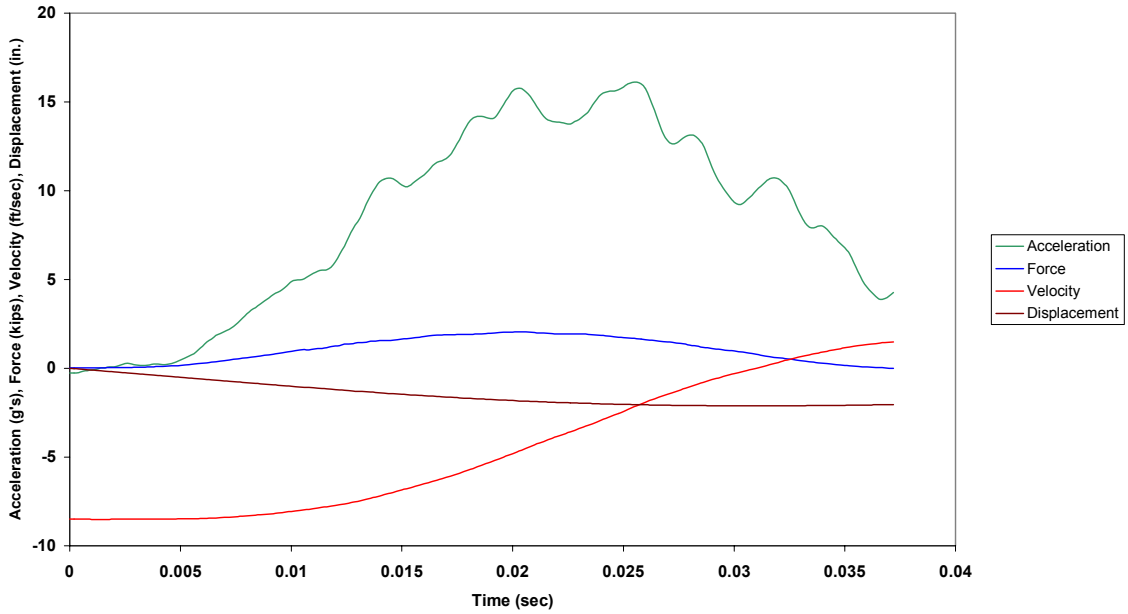


Figure B.24.2 Case 8C: Combined Plot

Case 8C: New 3/8 in. Amsteel (65 lb from 54 in.)

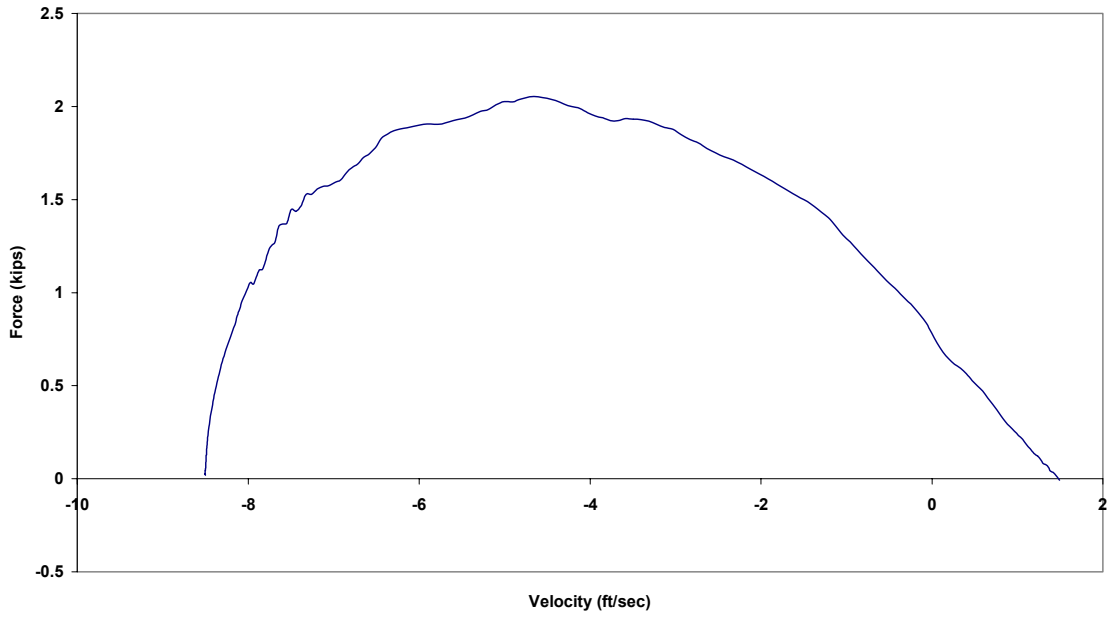


Figure B.24.3 Case 8C: Force vs. Velocity

Case 8C: New 3/8 in. Amsteel (65 lb from 54 in.)

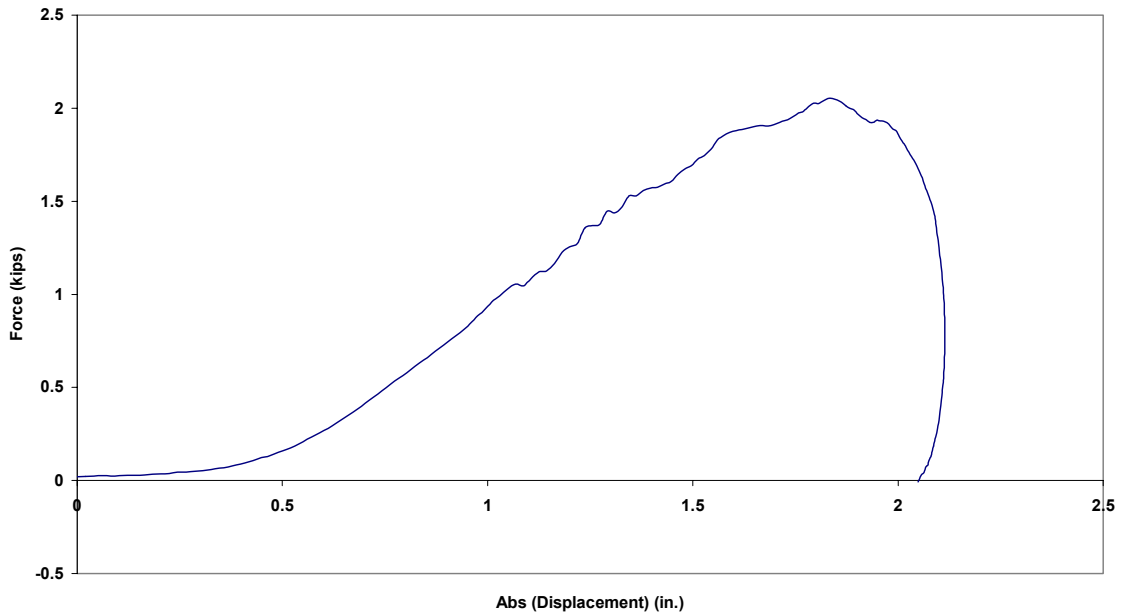


Figure B.24.4 Case 8C: Force vs. Absolute Displacement

Case 9C: New 3/8 in. Amsteel (65 lb from 54 in.)

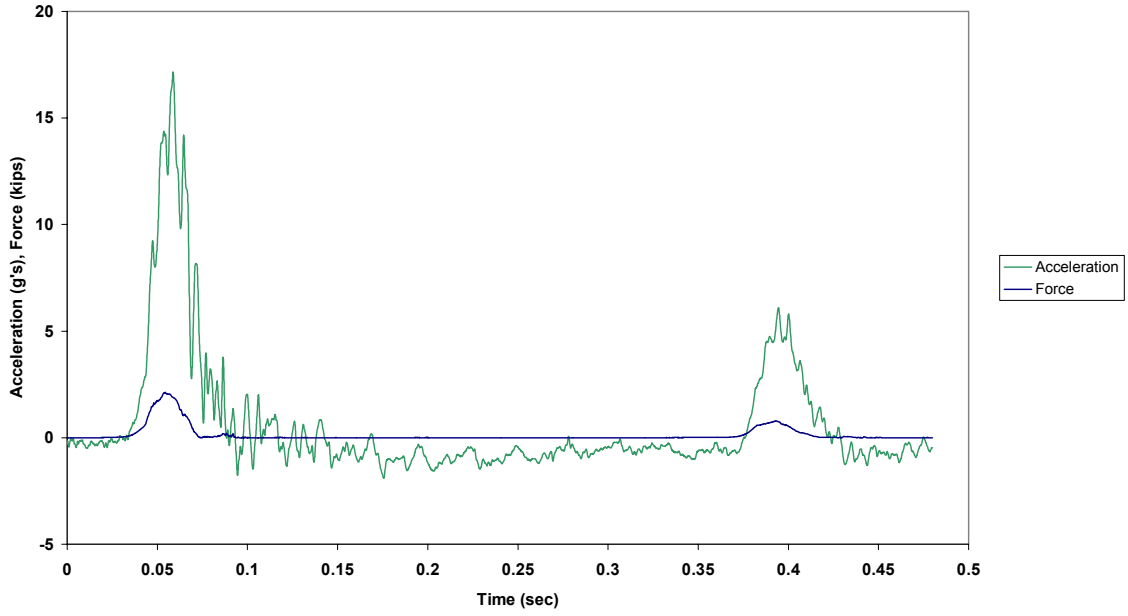


Figure B.25.1 Case 9C: Force and Acceleration vs. Time

Case 9C: New 3/8 in. Amsteel (65 lb from 54 in.)

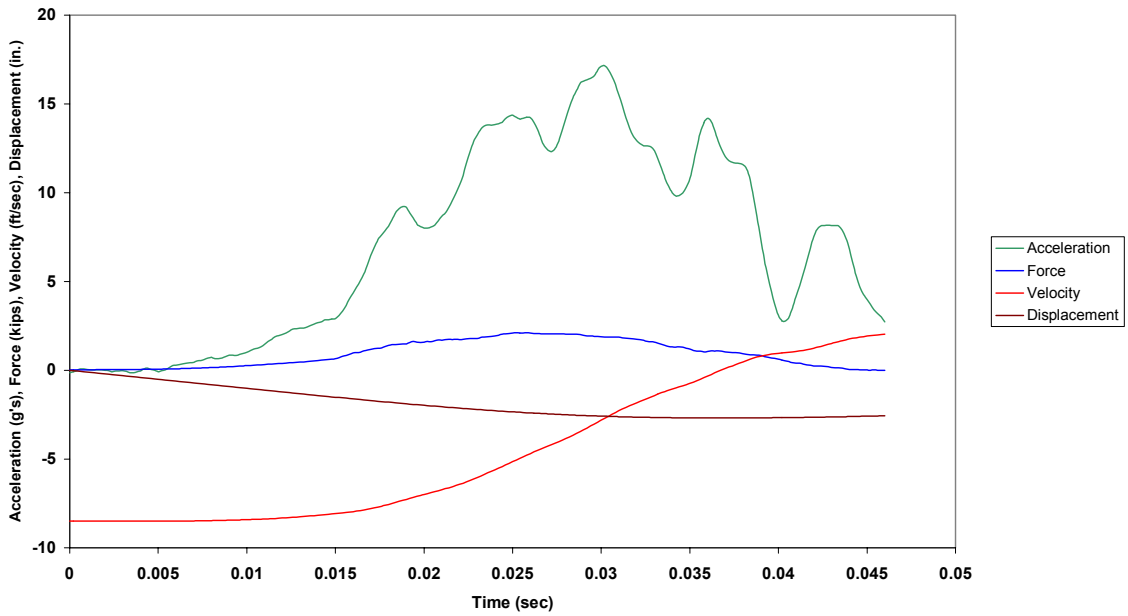


Figure B.25.2 Case 9C: Combined Plot

Case 9C: New 3/8 in. Amsteel (65 lb from 54 in.)

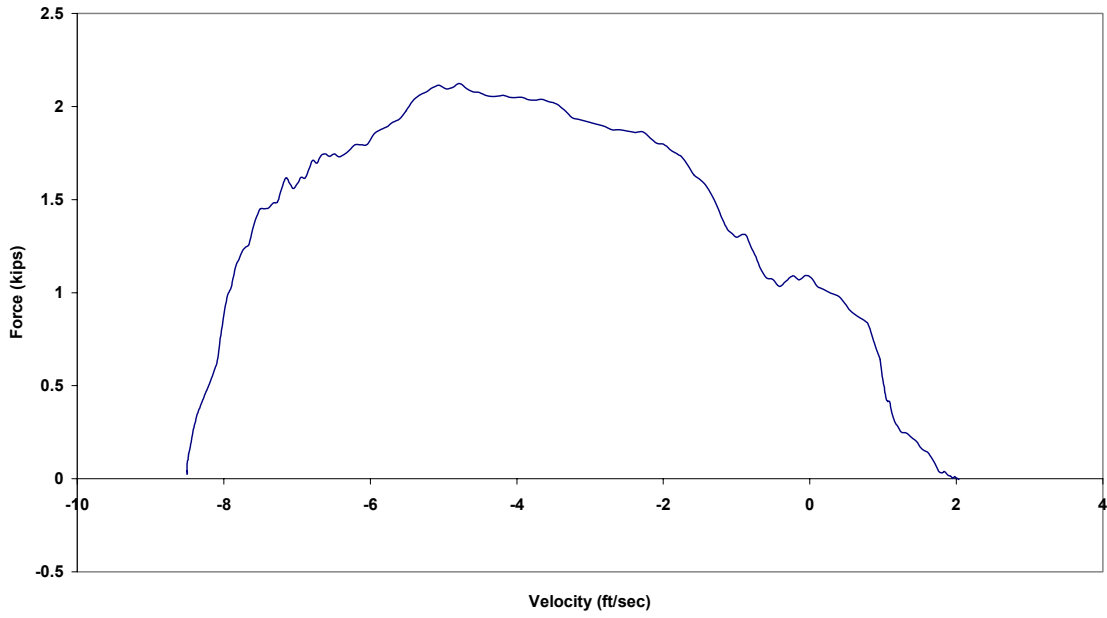


Figure B.25.3 Case 9C: Force vs. Velocity

Case 9C: New 3/8 in. Amsteel (65 lb from 54 in.)

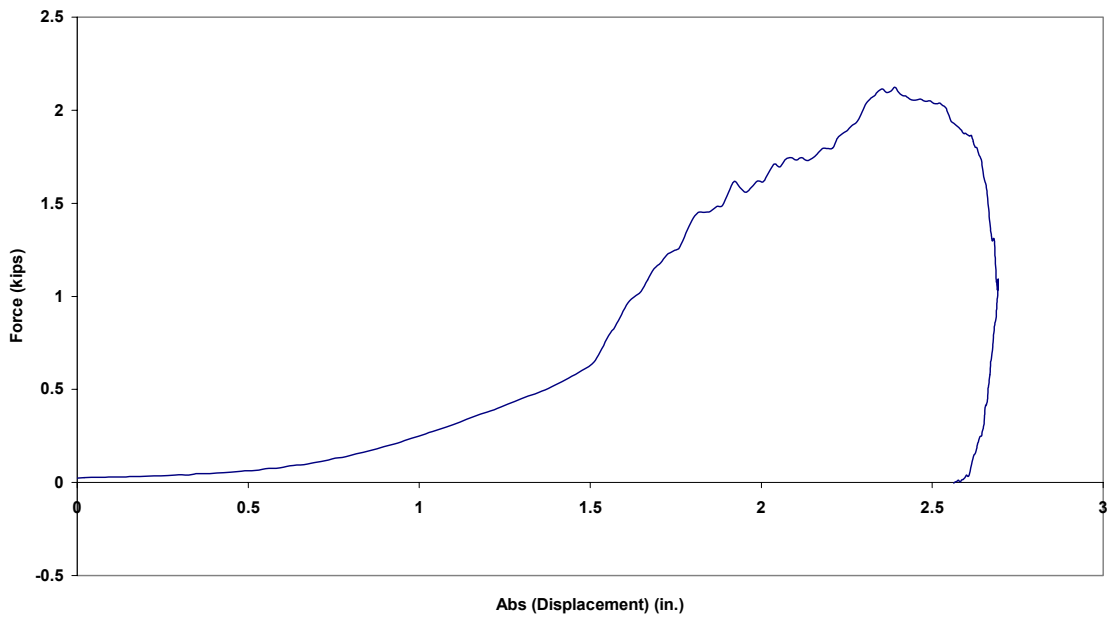


Figure B.25.4 Case 9C: Force vs. Absolute Displacement

Case 10C: New 3/8 in. Amsteel (65 lb from 54 in.)

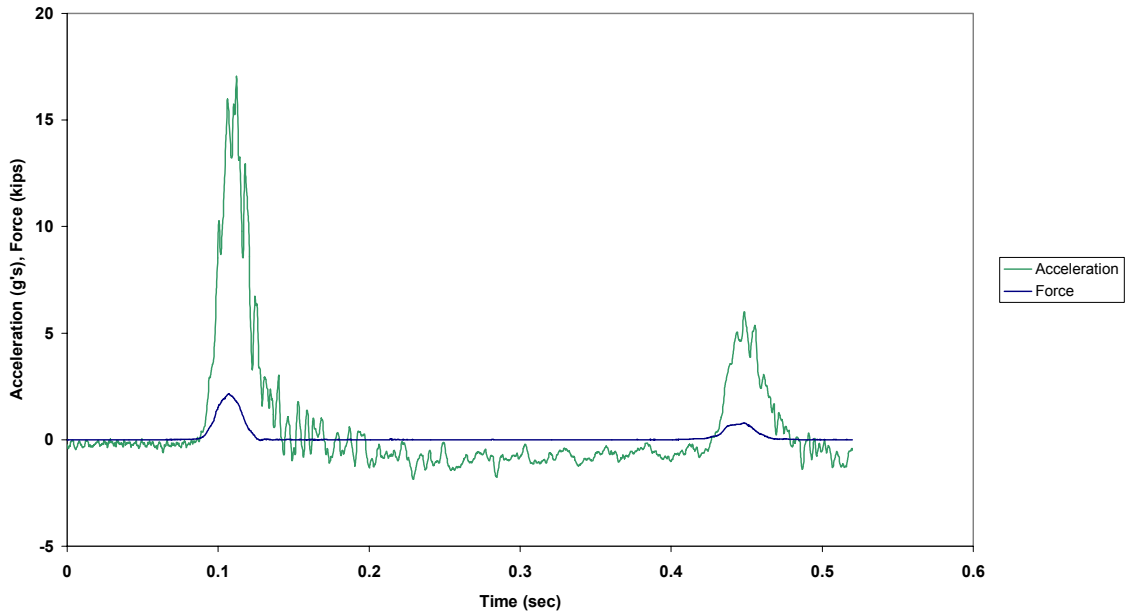


Figure B.26.1 Case 10C: Force and Acceleration vs. Time

Case 10C: New 3/8 in. Amsteel (65 lb from 54 in.)

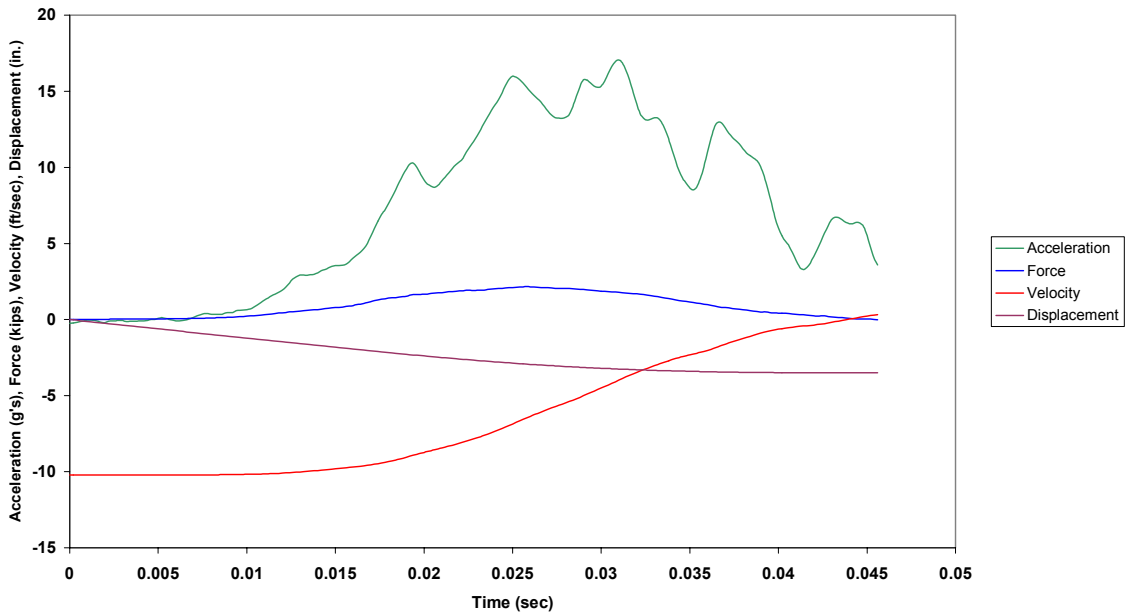


Figure B.26.2 Case 10C: Combined Plot

Case 10C: New 3/8 in. Amsteel (65 lb from 54 in.)

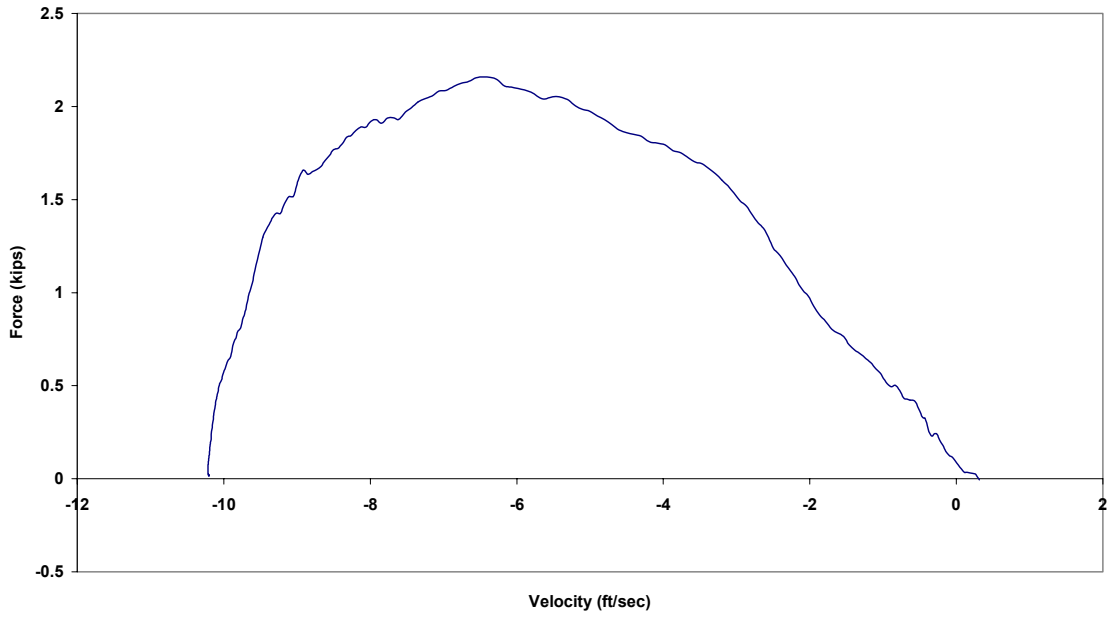


Figure B.26.3 Case 10C: Force vs. Velocity

Case 10C: New 3/8 in. Amsteel (65 lb from 54 in.)

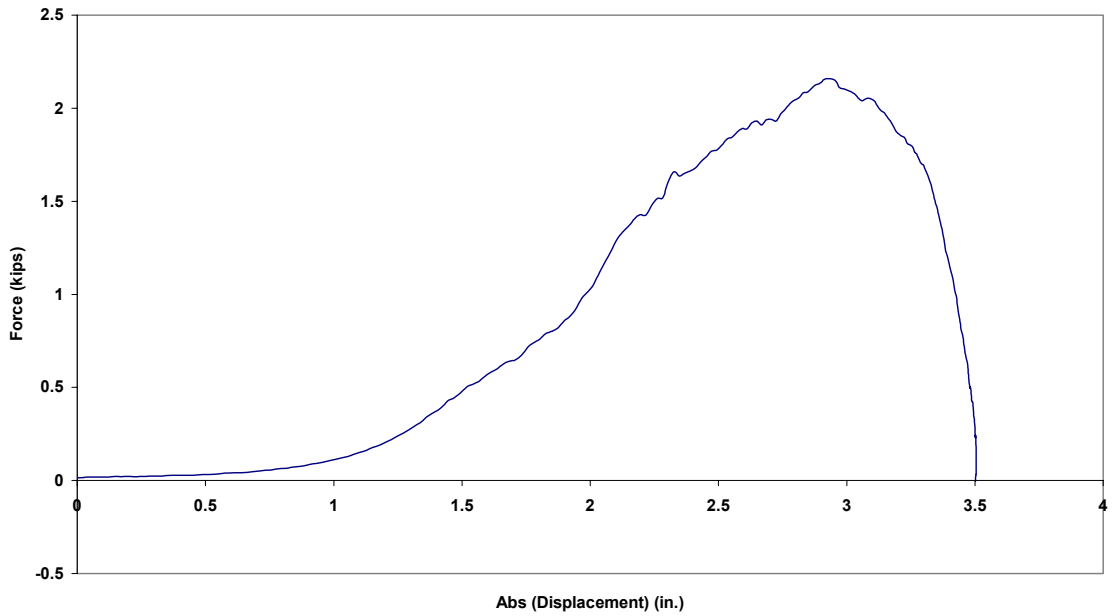


Figure B.26.4 Case 10C: Force vs. Absolute Displacement



Case 11C: New 3/8 in. Amsteel (65 lb from 54 in.)

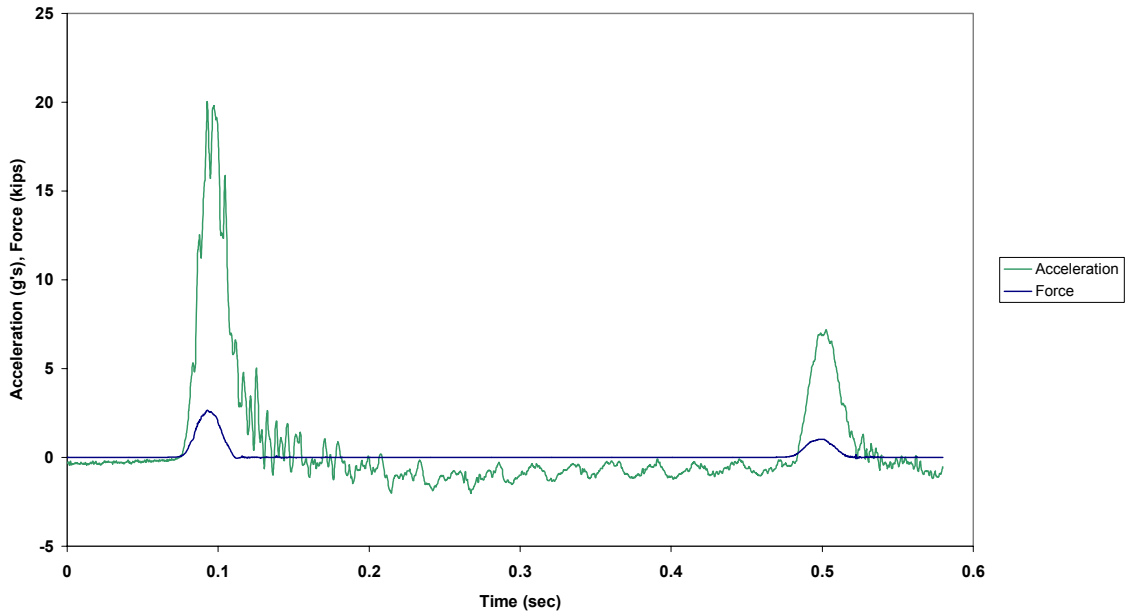


Figure B.27.1 Case 11C: Force and Acceleration vs. Time

Case 11C: New 3/8 in. Amsteel (65 lb from 54 in.)

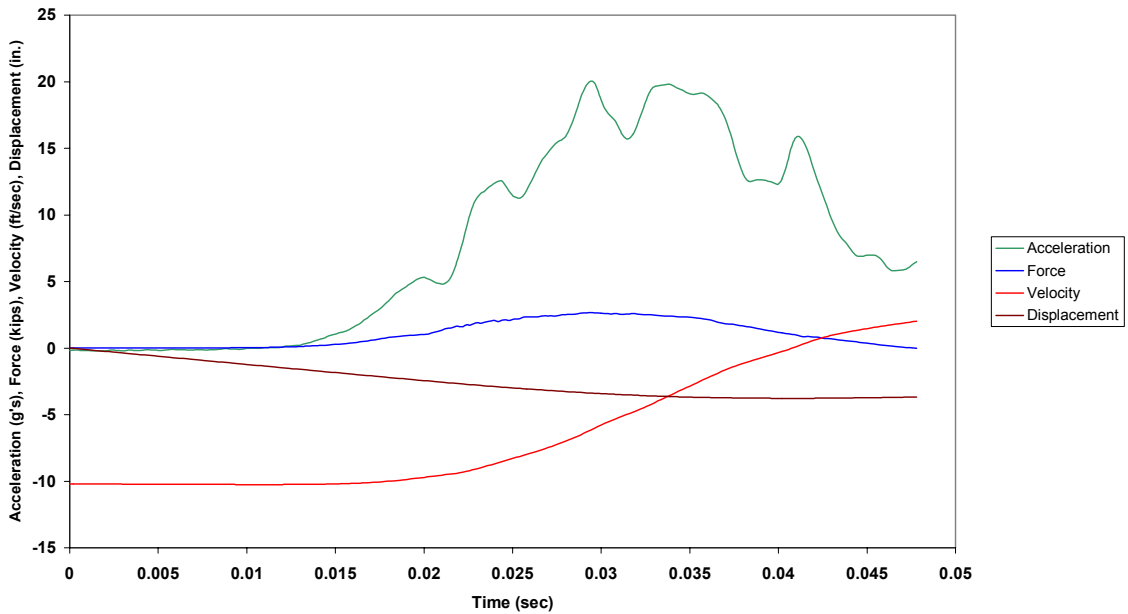


Figure B.27.2 Case 11C: Combined Plot

Case 11C: New 3/8 in. Amsteel (65 lb from 54 in.)

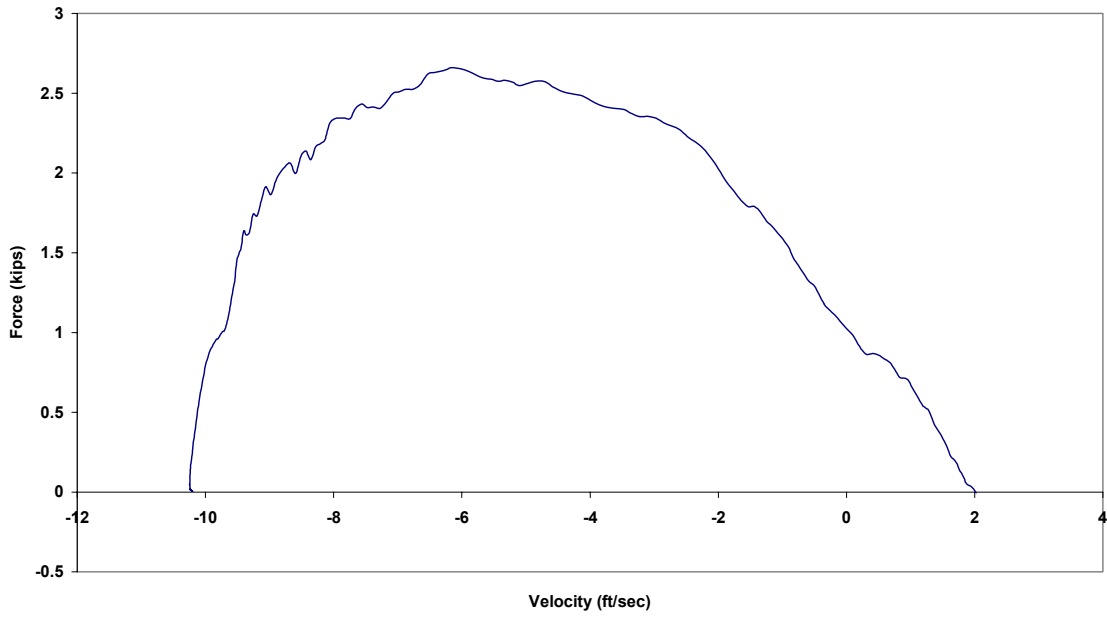


Figure B.27.3 Case 11C: Force vs. Velocity

Case 11C: New 3/8 in. Amsteel (65 lb from 54 in.)

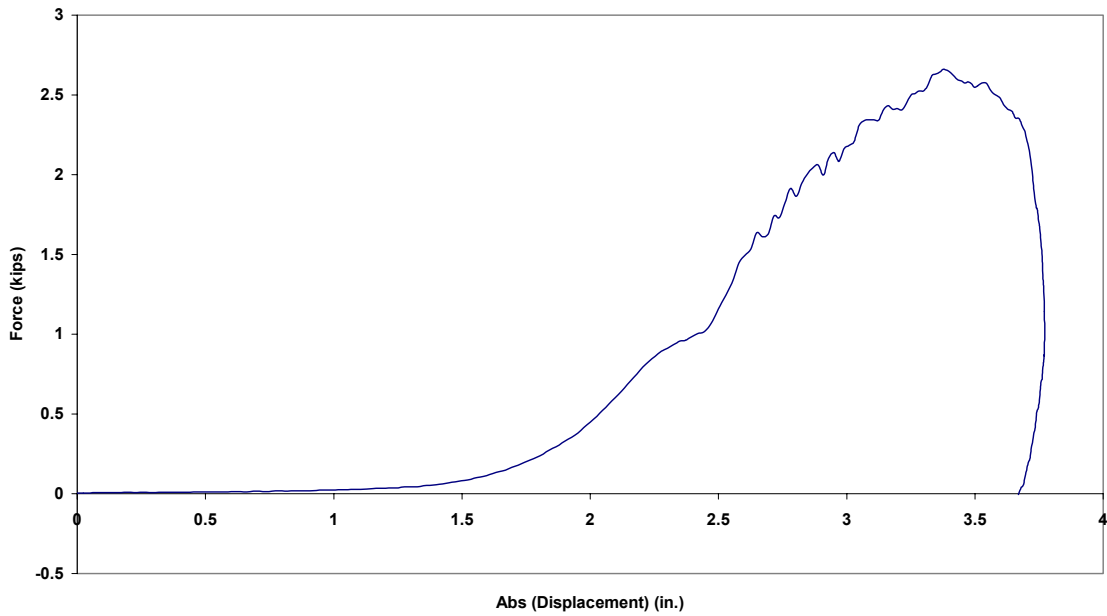


Figure B.27.4 Case 11C: Force vs. Absolute Displacement

Case 12C: New 3/8 in. Amsteel (45 lb from 54 in.)

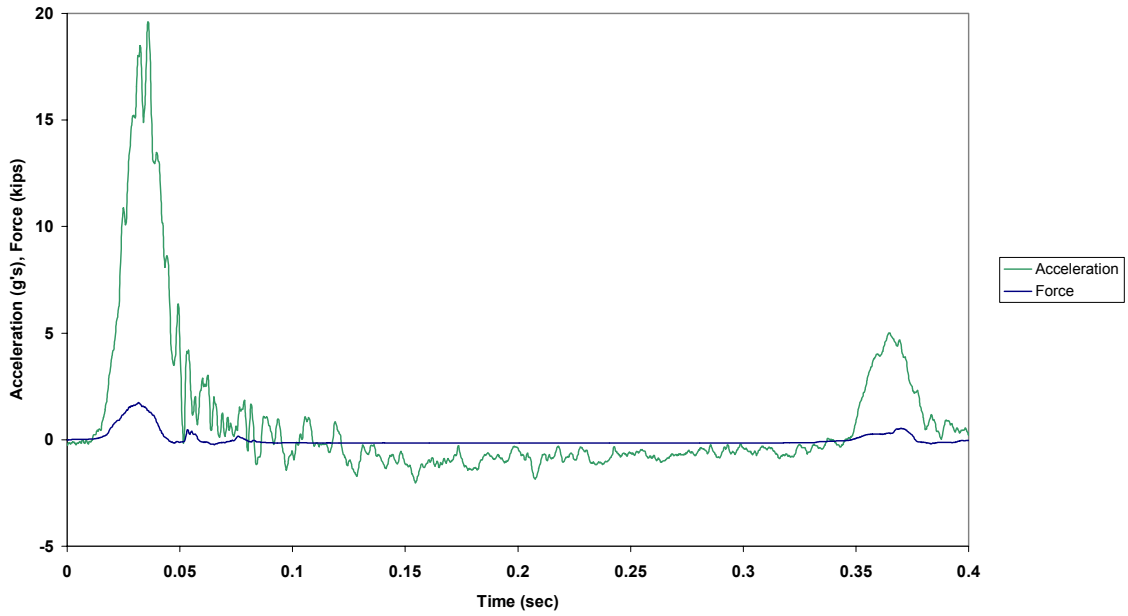


Figure B.28.1 Case 12C: Force and Acceleration vs. Time

Case 12C: New 3/8 in. Amsteel (45 lb from 54 in.)

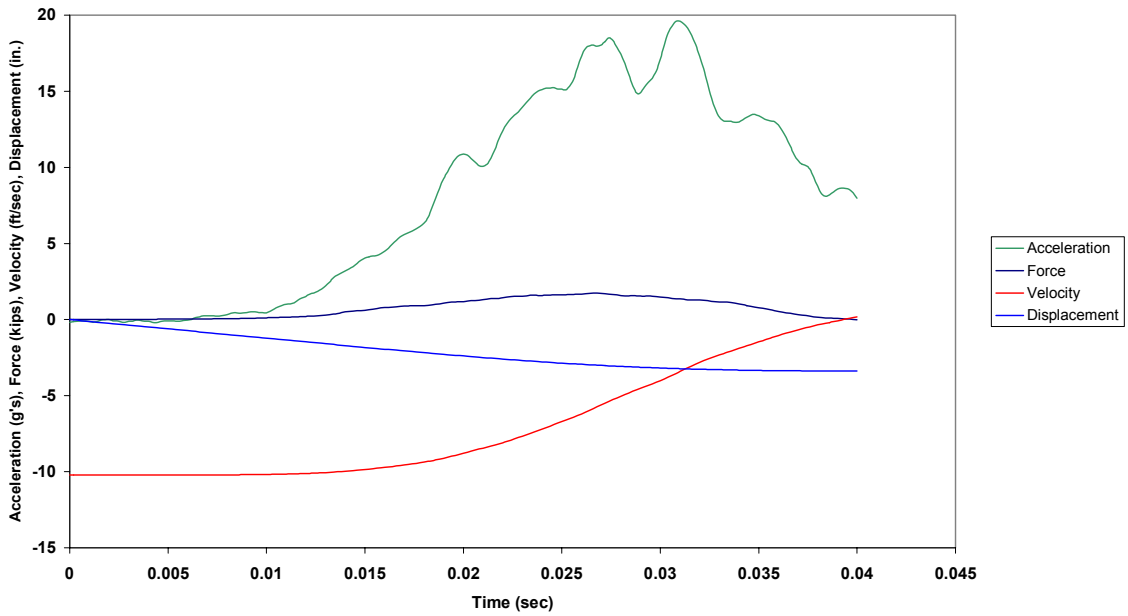


Figure B.28.2 Case 12C: Combined Plot

Case 12C: New 3/8 in. Amsteel (45 lb from 54 in.)

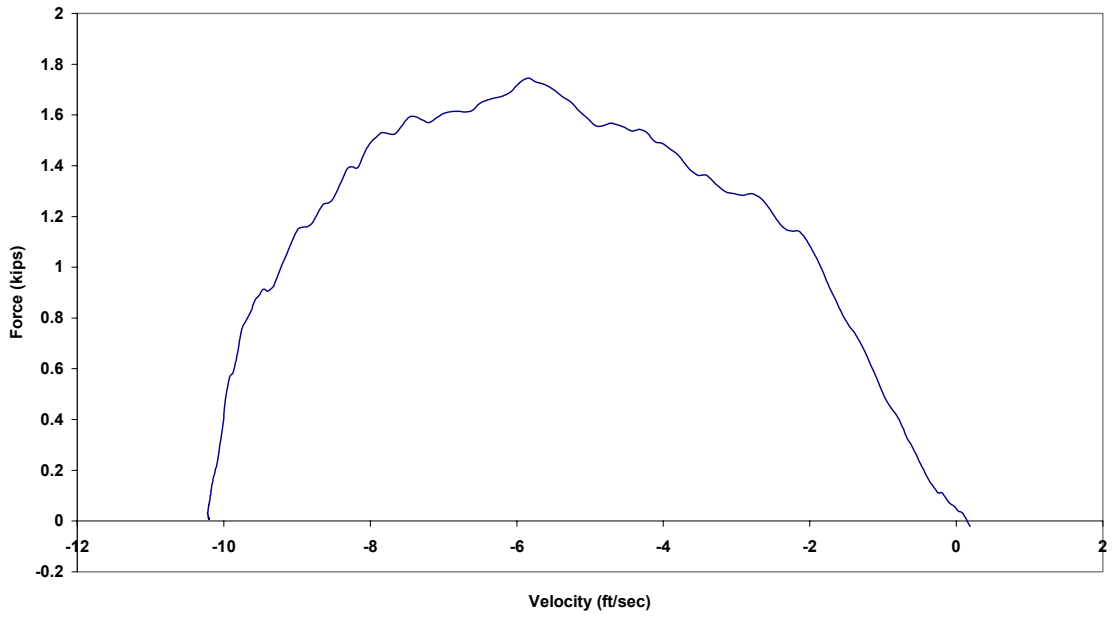


Figure B.28.3 Case 12C: Force vs. Velocity

Case 12C: New 3/8 in. Amsteel (45 lb from 54 in.)

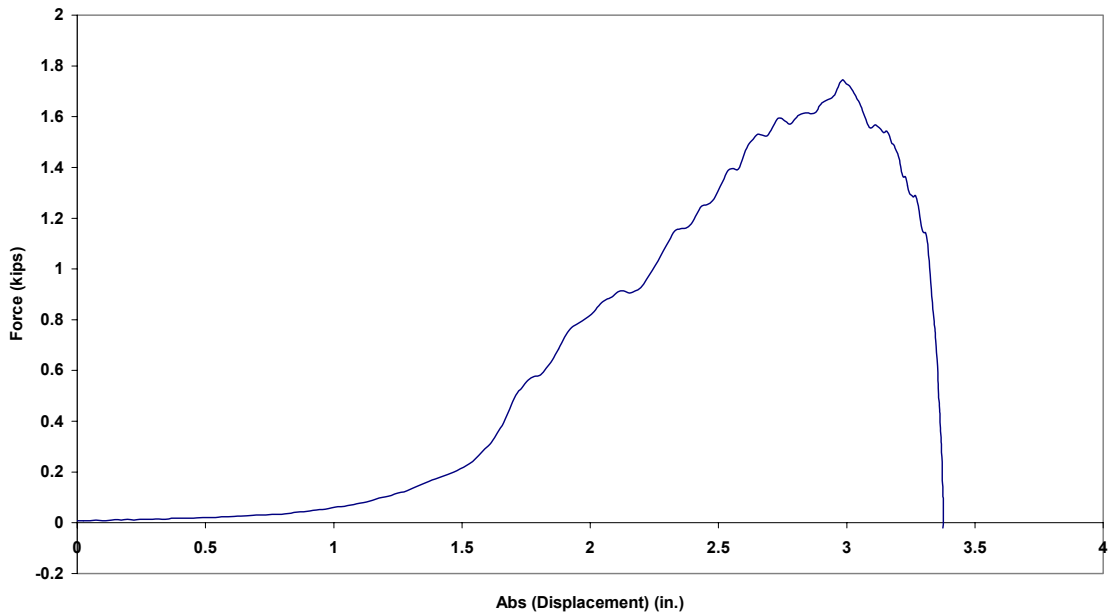


Figure B.28.4 Case 12C: Force vs. Absolute Displacement

Case 13C: New 3/8 in. Amsteel (65 lb from 54 in.)

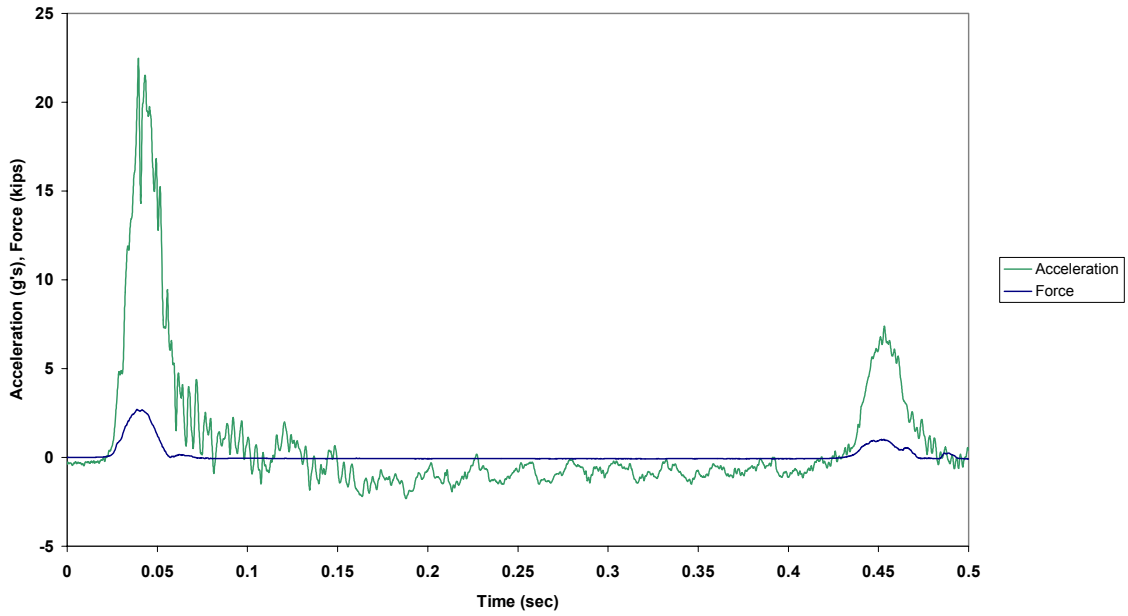


Figure B.29.1 Case 13C: Force and Acceleration vs. Time

Case 13C: New 3/8 in. Amsteel (65 lb from 54 in.)

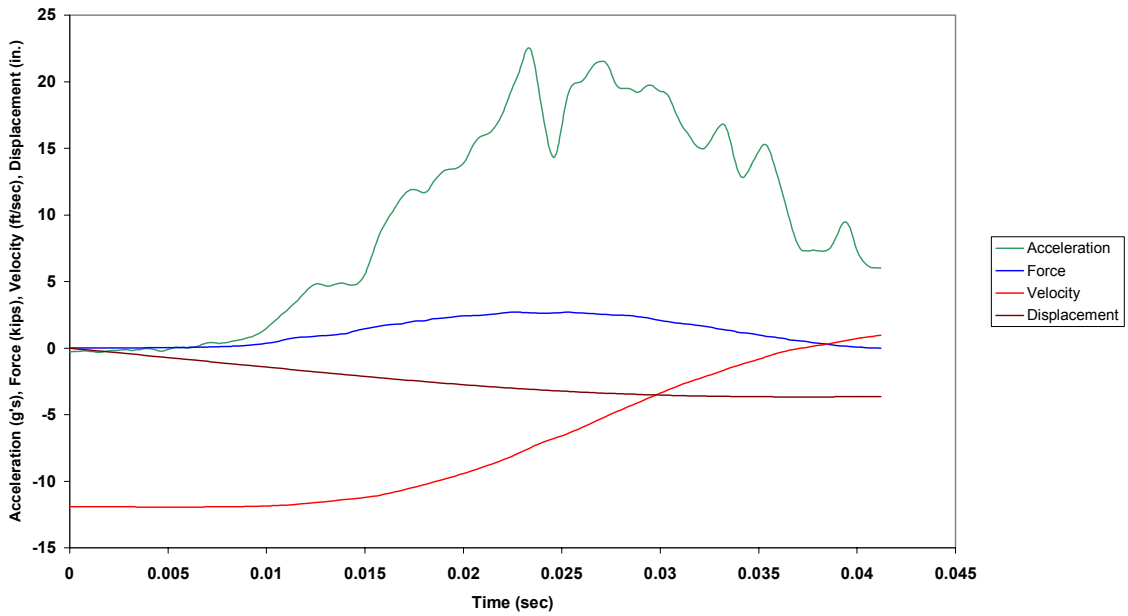


Figure B.29.2 Case 13C: Combined Plot

Case 13C: New 3/8 in. Amsteel (65 lb from 54 in.)

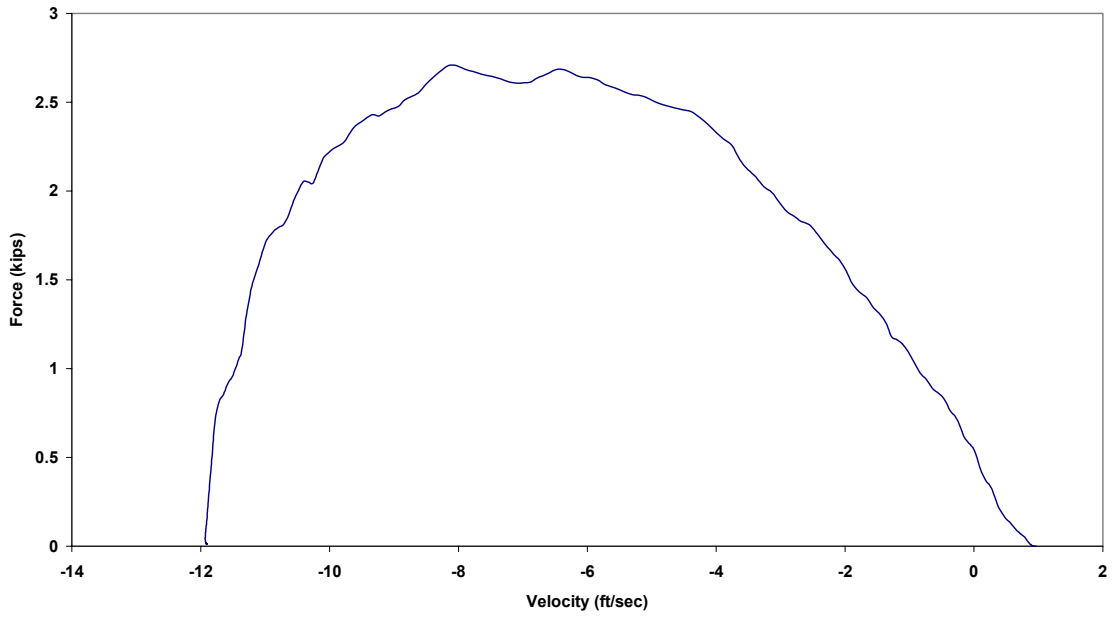


Figure B.29.3 Case 13C: Force vs. Velocity

Case 13C: New 3/8 in. Amsteel (65 lb from 54 in.)

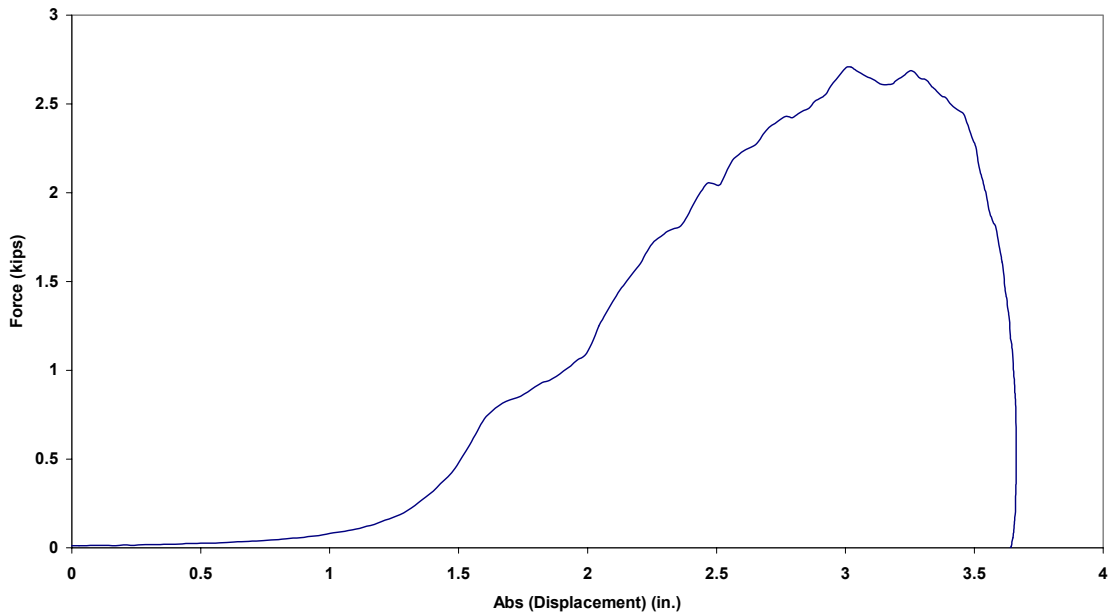


Figure B.29.4 Case 13C: Force vs. Absolute Displacement

Case 14C: New 3/8 in. Amsteel (85 lb from 54 in.)

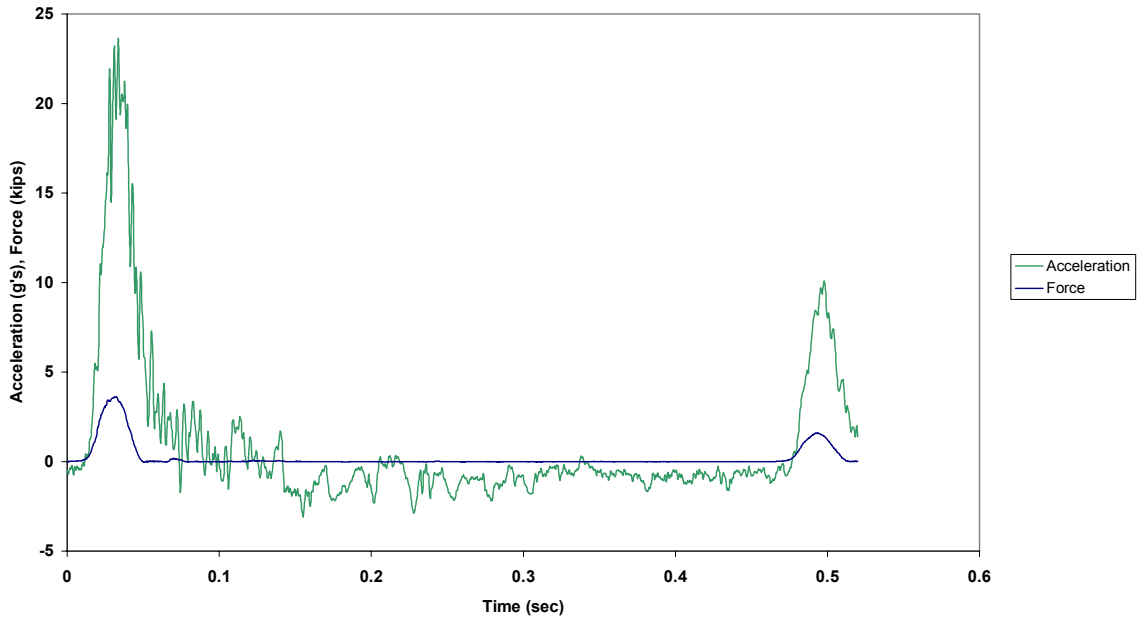


Figure B.30.1 Case 14C: Force and Acceleration vs. Time

Case 14C: New 3/8 in. Amsteel (85 lb from 54 in.)

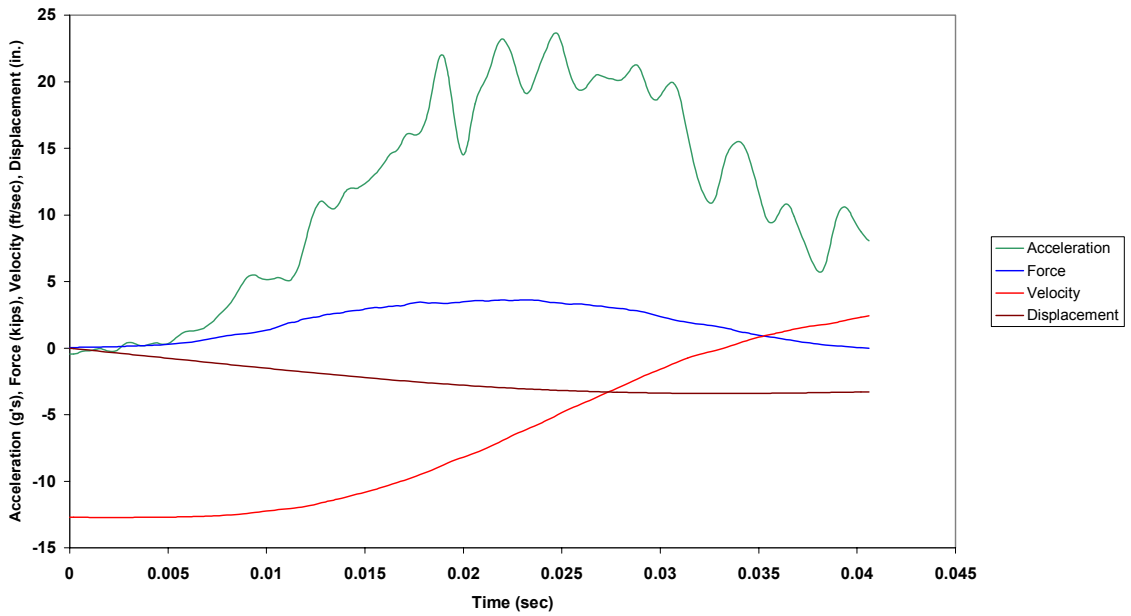


Figure B.30.2 Case 14C: Combined Plot

Case 14C: New 3/8 in. Amsteel (85 lb from 54 in.)

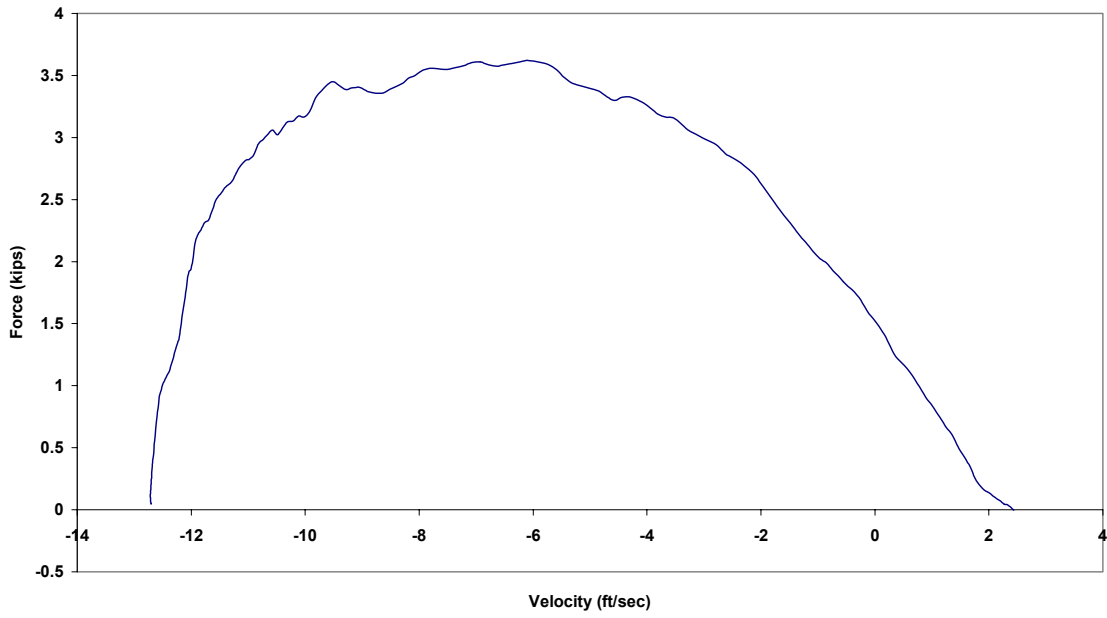


Figure B.30.3 Case 14C: Force vs. Velocity

Case 14C: New 3/8 in. Amsteel (85 lb from 54 in.)

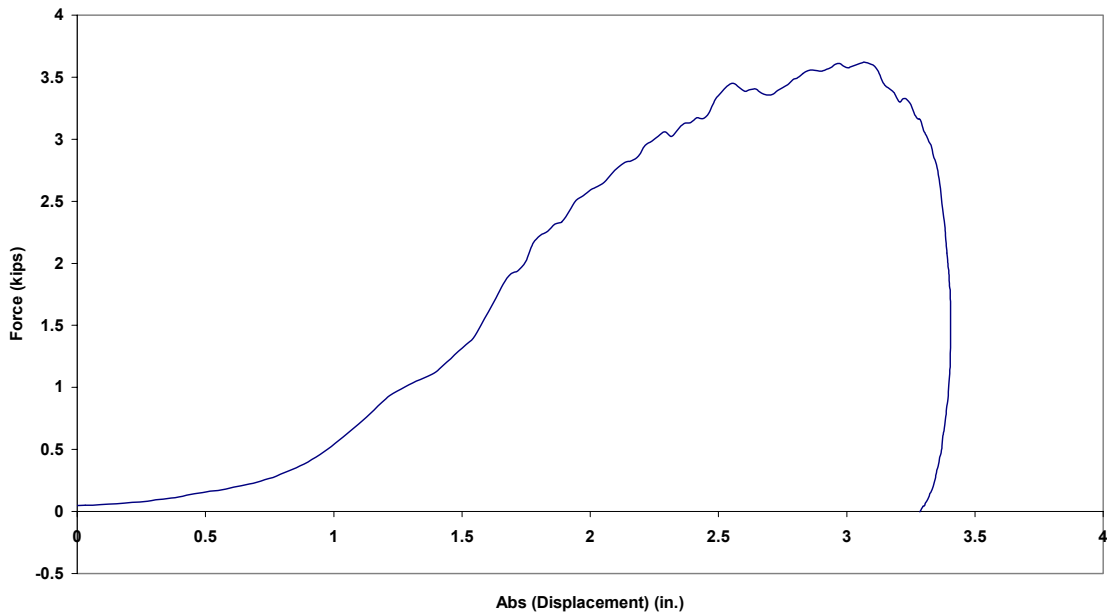


Figure B.30.4 Case 14C: Force vs. Absolute Displacement



Case 15C: New 3/8 in. Amsteel (105 lb from 54 in.)

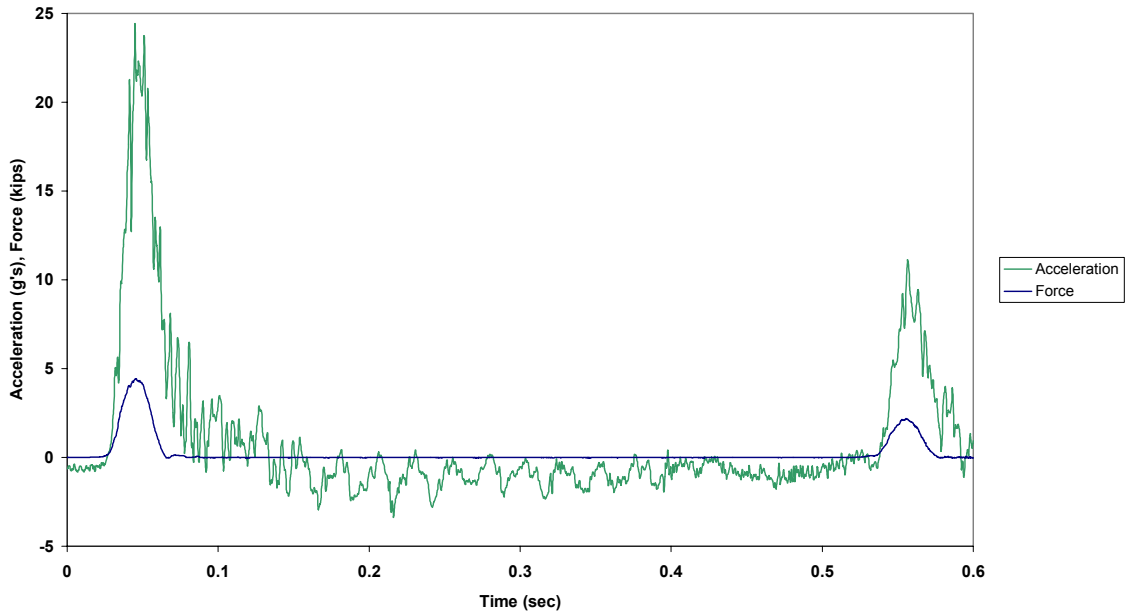


Figure B.31.1 Case 15C: Force and Acceleration vs. Time

Case 15C: New 3/8 in. Amsteel (105 lb from 54 in.)

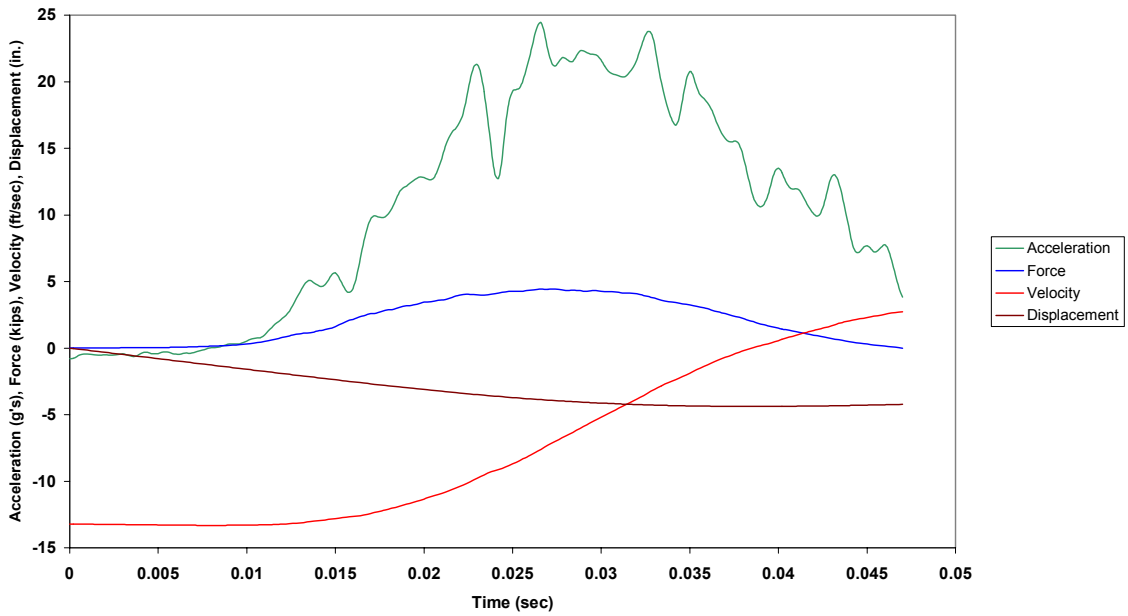


Figure B.31.2 Case 15C: Combined Plot

Case 15C: New 3/8 in. Amsteel (105 lb from 54 in.)

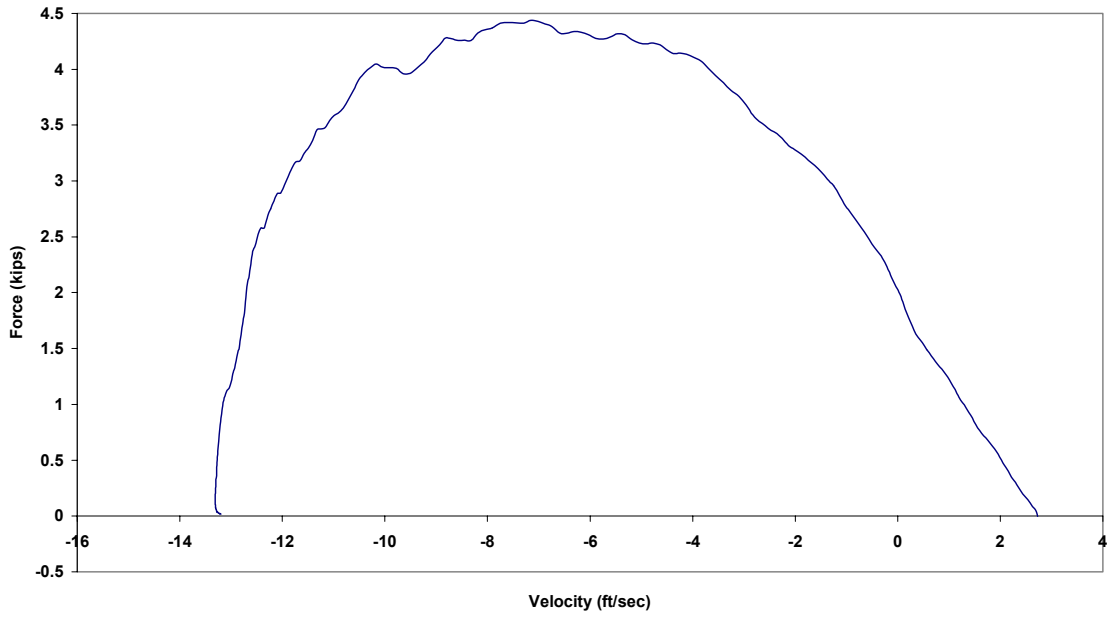


Figure B.31.3 Case 15C: Force vs. Velocity

Case 15C: New 3/8 in. Amsteel (105 lb from 54 in.)

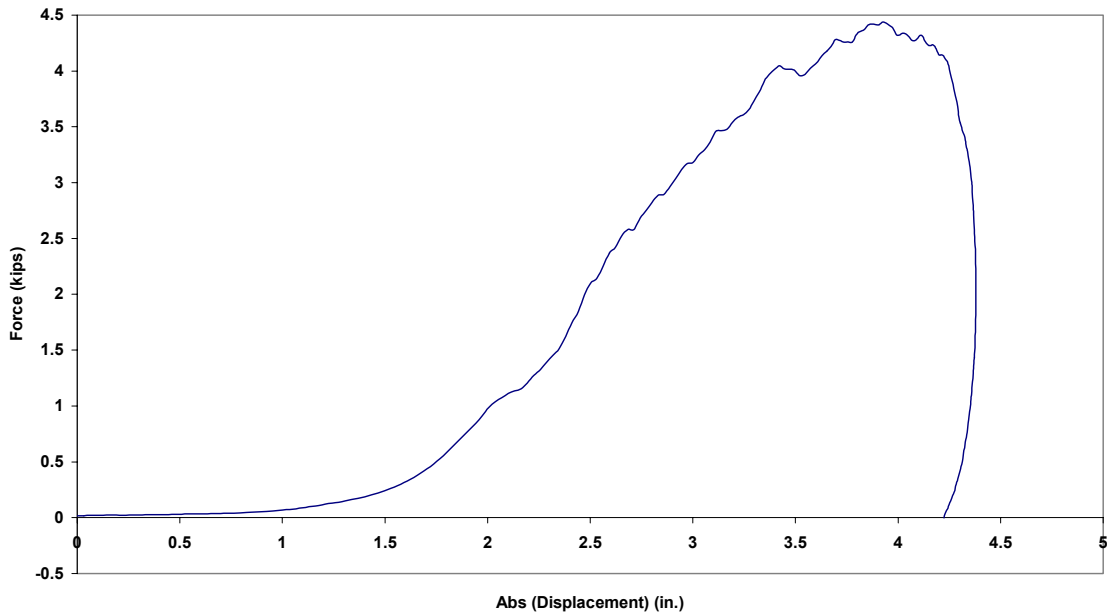


Figure B.31.4 Case 15C: Force vs. Absolute Displacement

Case 16C: New 3/8 in. Amsteel (125 lb from 54 in.)

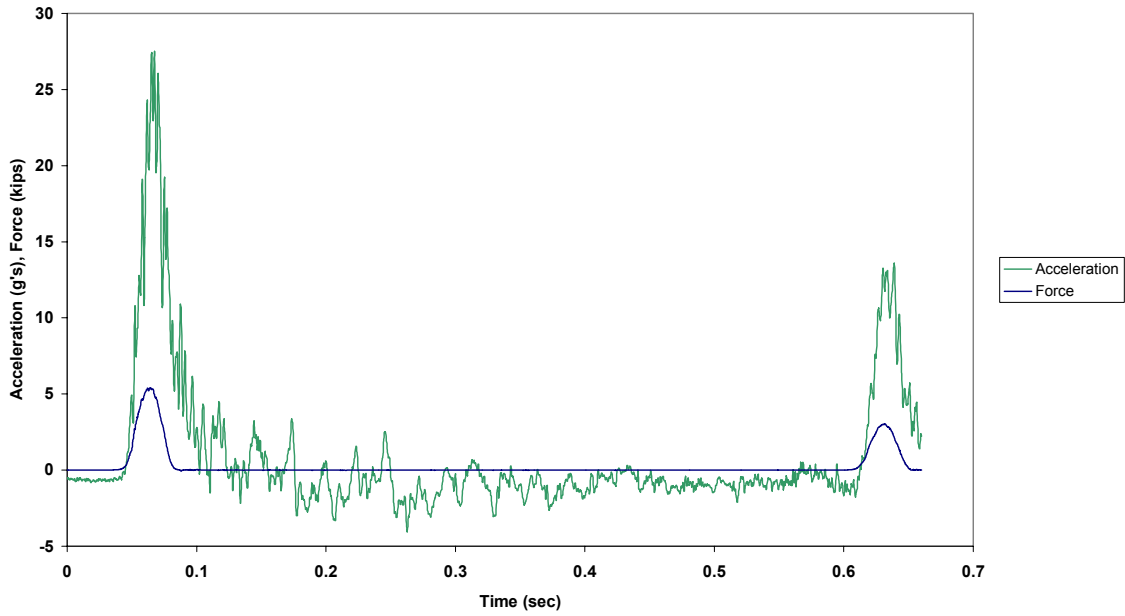


Figure B.32.1 Case 16C: Force and Acceleration vs. Time

Case 16C: New 3/8 in. Amsteel (125 lb from 54 in.)

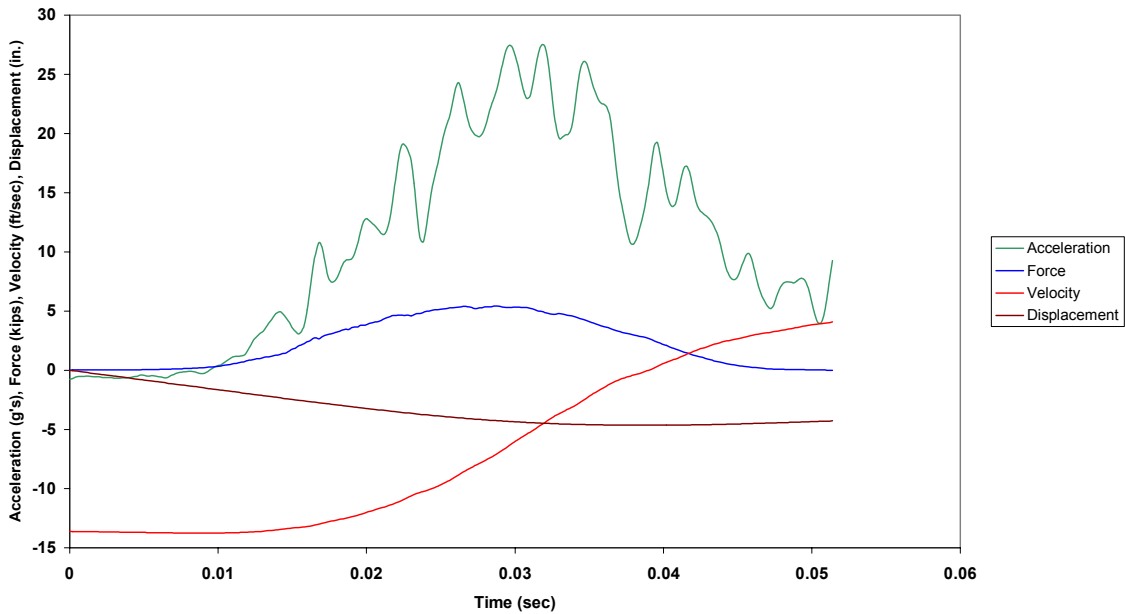


Figure B.32.2 Case 16C: Combined Plot

Case 16C: New 3/8 in. Amsteel (125 lb from 54 in.)

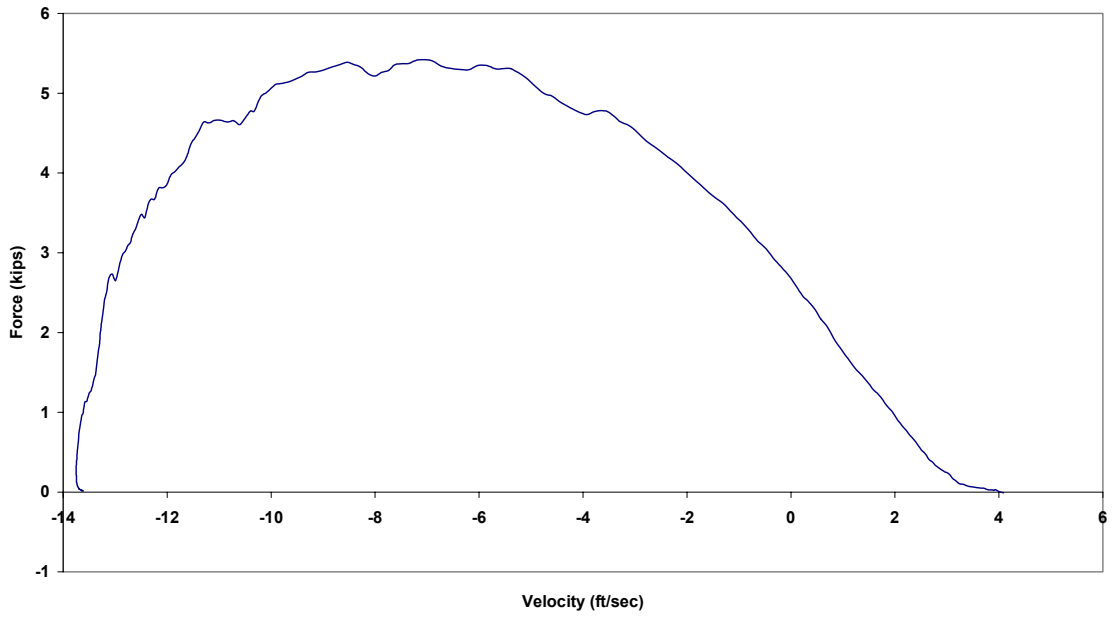


Figure B.32.3 Case 16C: Force vs. Velocity

Case 16C: New 3/8 in. Amsteel (125 lb from 54 in.)

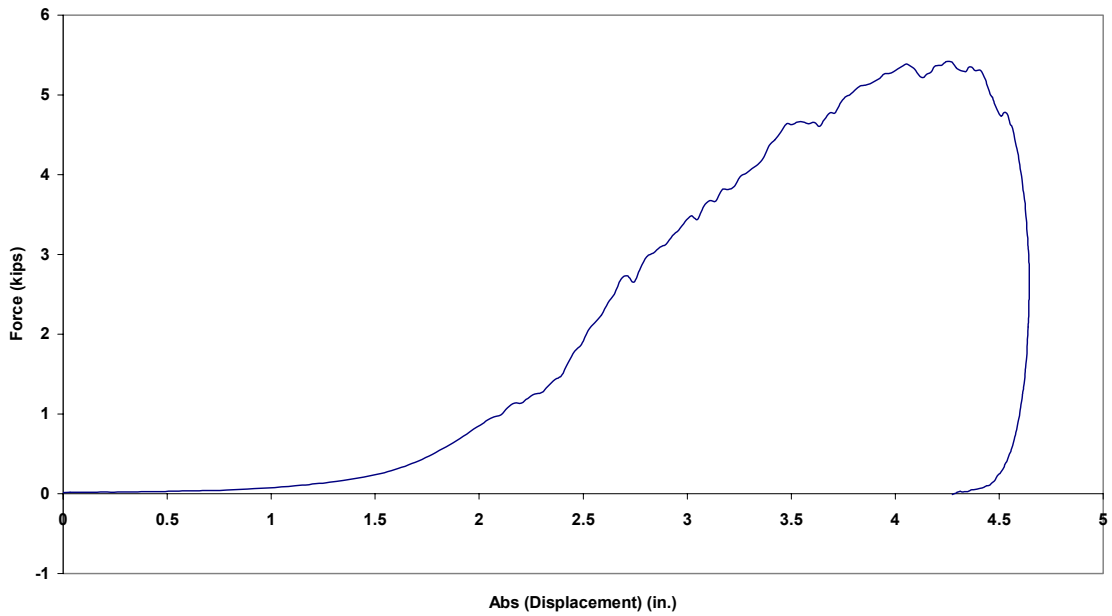


Figure B.32.4 Case 16C: Force vs. Absolute Displacement

Case 1D: New 1/2 in. Amsteel (65 lb from 54 in.)

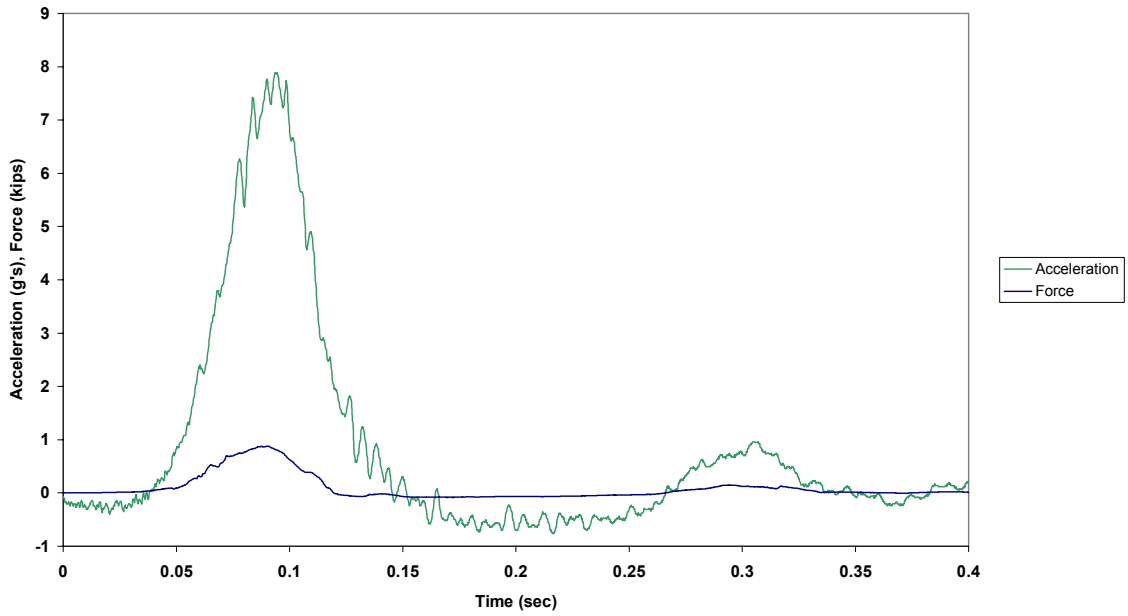


Figure B.33.1 Case 1D: Force and Acceleration vs. Time

Case 1D: New 1/2 in. Amsteel (65 lb from 54 in.)

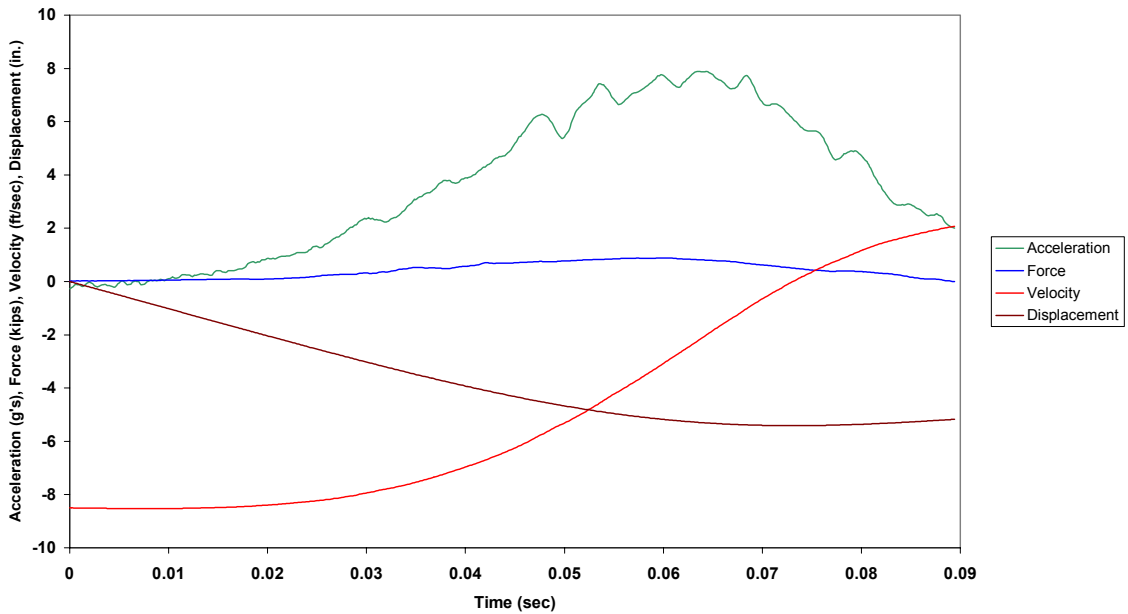


Figure B.33.2 Case 1D: Combined Plot

Case 1D: New 1/2 in. Amsteel (65 lb from 54 in.)

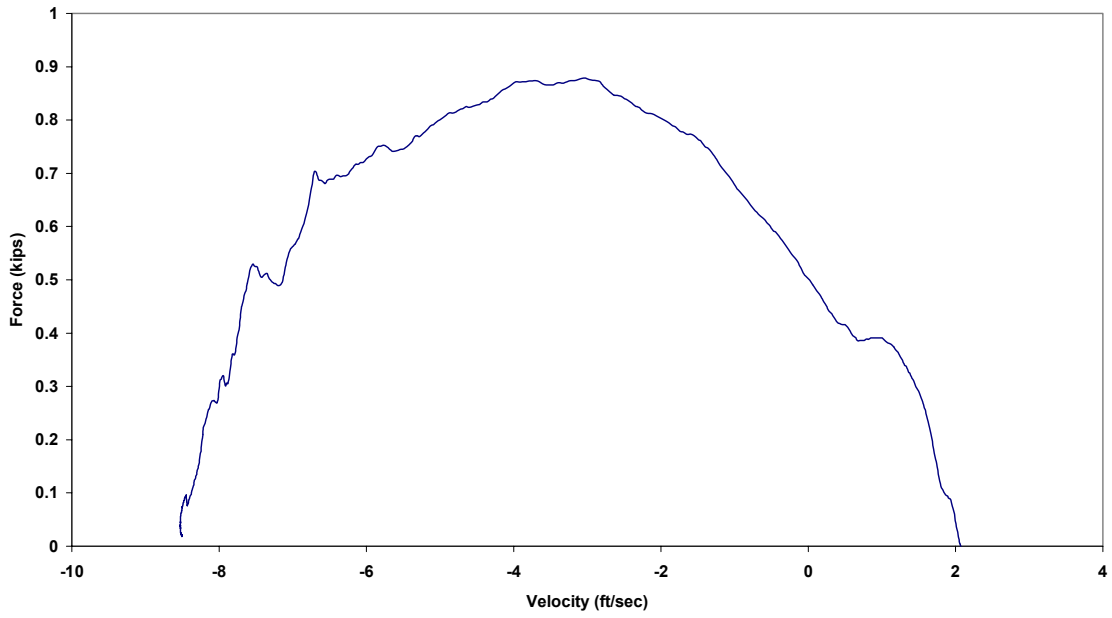


Figure B.33.3 Case 1D: Force vs. Velocity

Case 1D: New 1/2 in. Amsteel (65 lb from 54 in.)

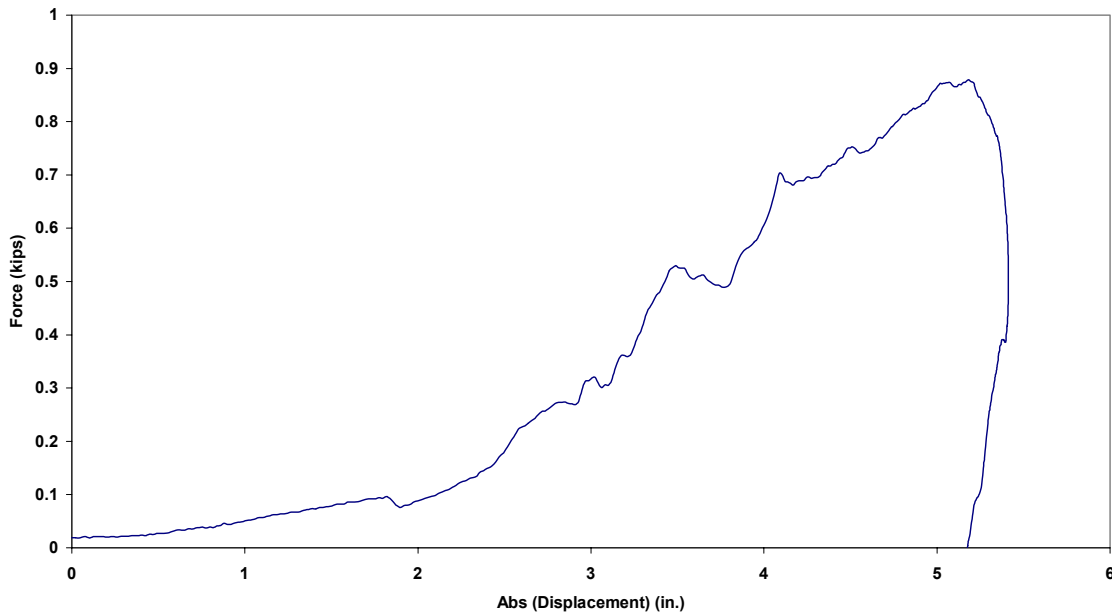


Figure B.33.4 Case 1D: Force vs. Absolute Displacement

Case 2D: New 1/2 in. Amsteel (65 lb from 66 in.)

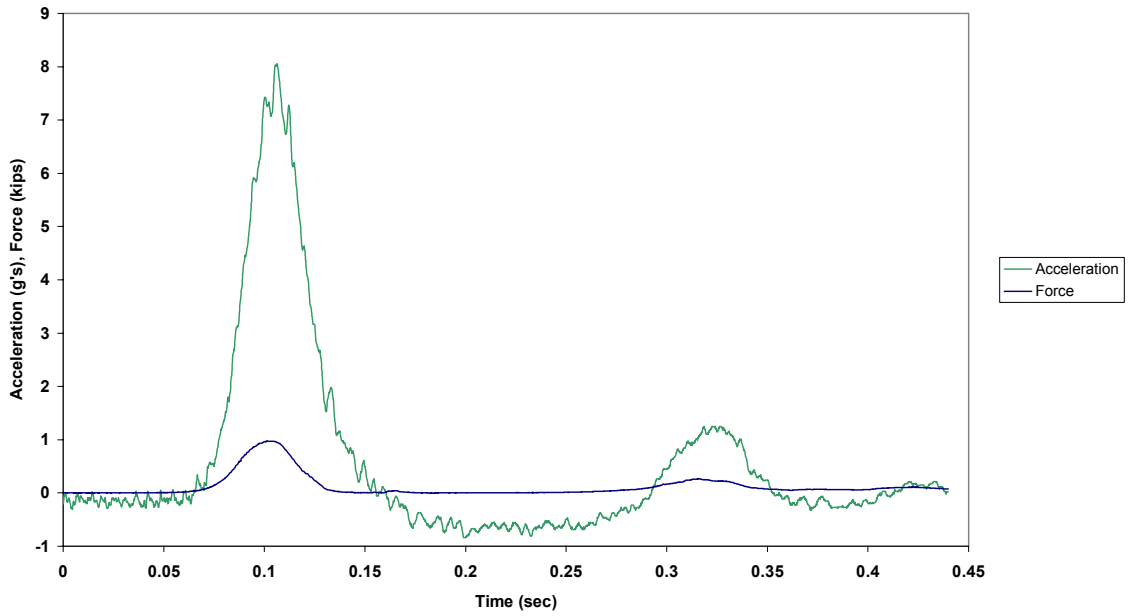


Figure B.34.1 Case 2D: Force and Acceleration vs. Time

Case 2D: New 1/2 in. Amsteel (65 lb from 66 in.)

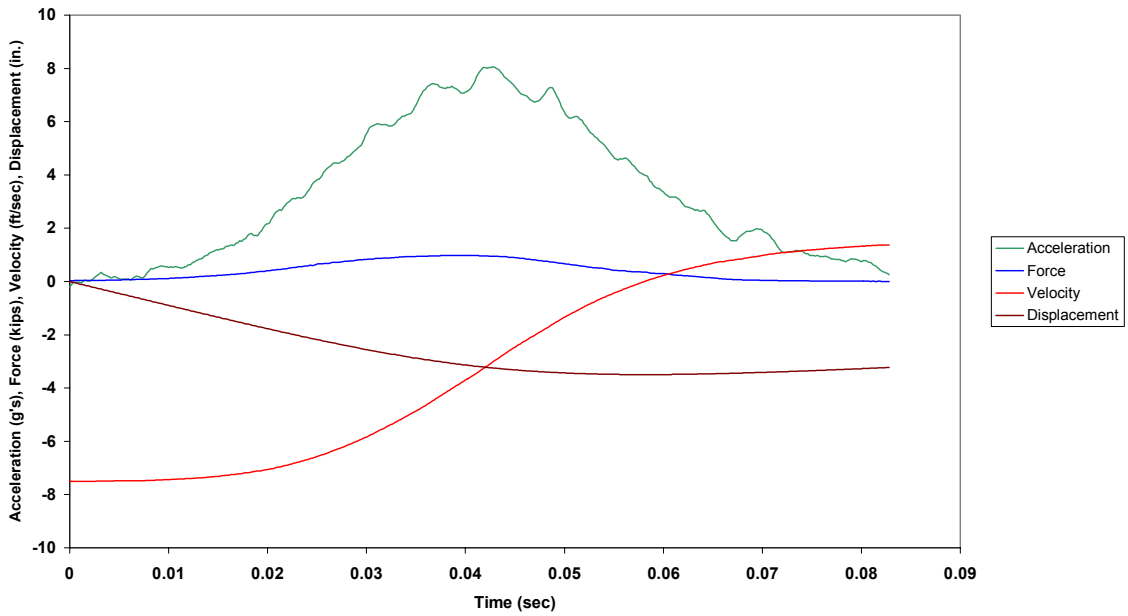


Figure B.34.2 Case 2D: Combined Plot

Case 2D: New 1/2 in. Amsteel (65 lb from 66 in.)

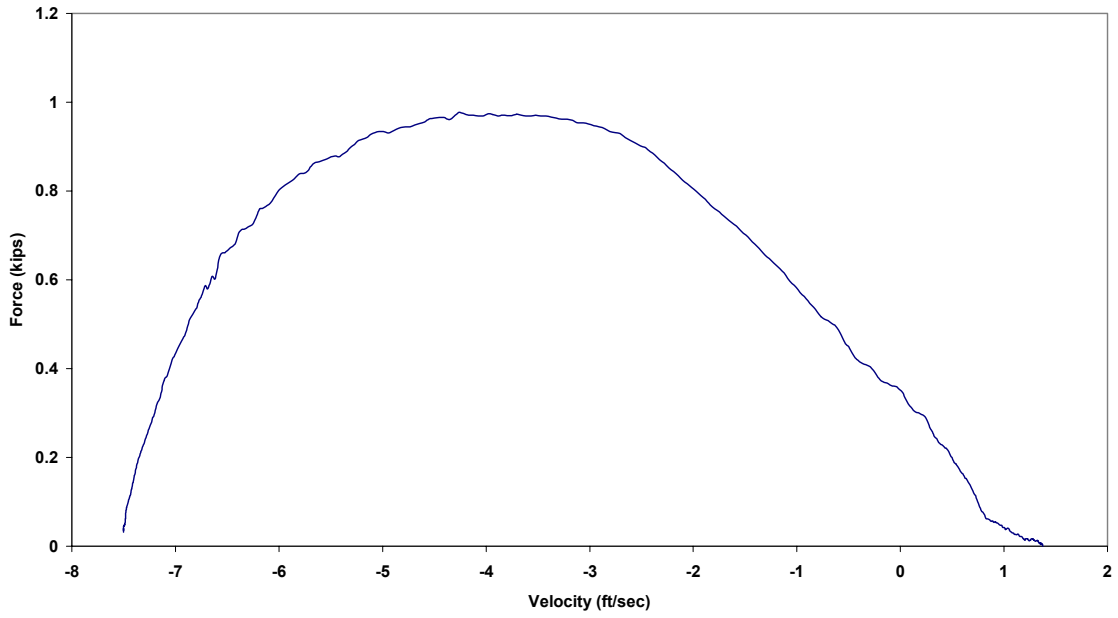


Figure B.34.3 Case 2D: Force vs. Velocity

Case 2D: New 1/2 in. Amsteel (65 lb from 66 in.)

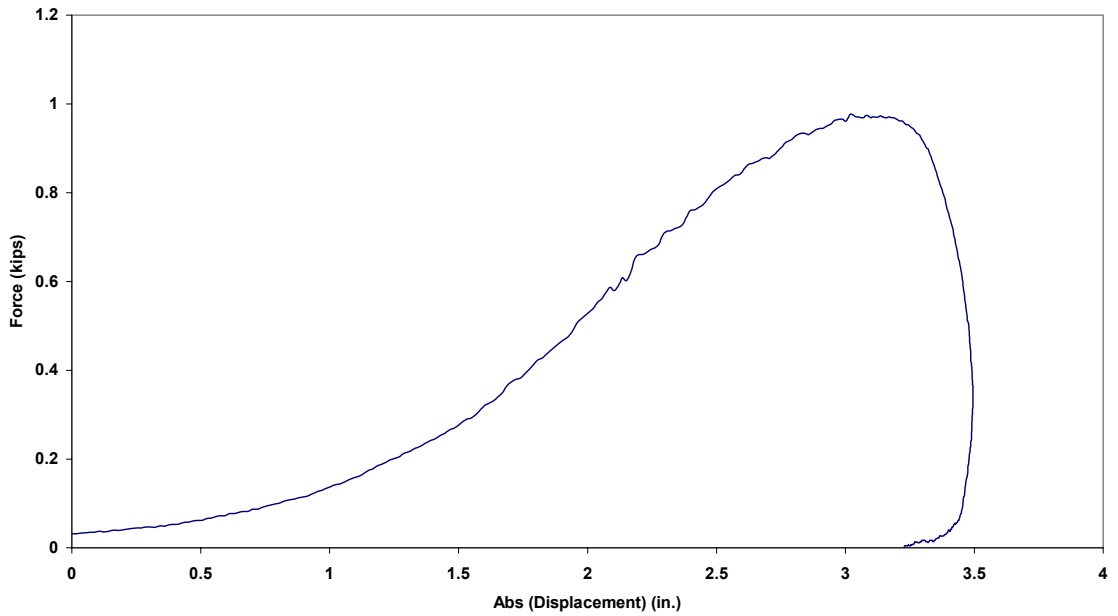


Figure B.34.4 Case 2D: Force vs. Absolute Displacement



Case 3D: New 1/2 in. Amsteel (65 lb from 78 in.)

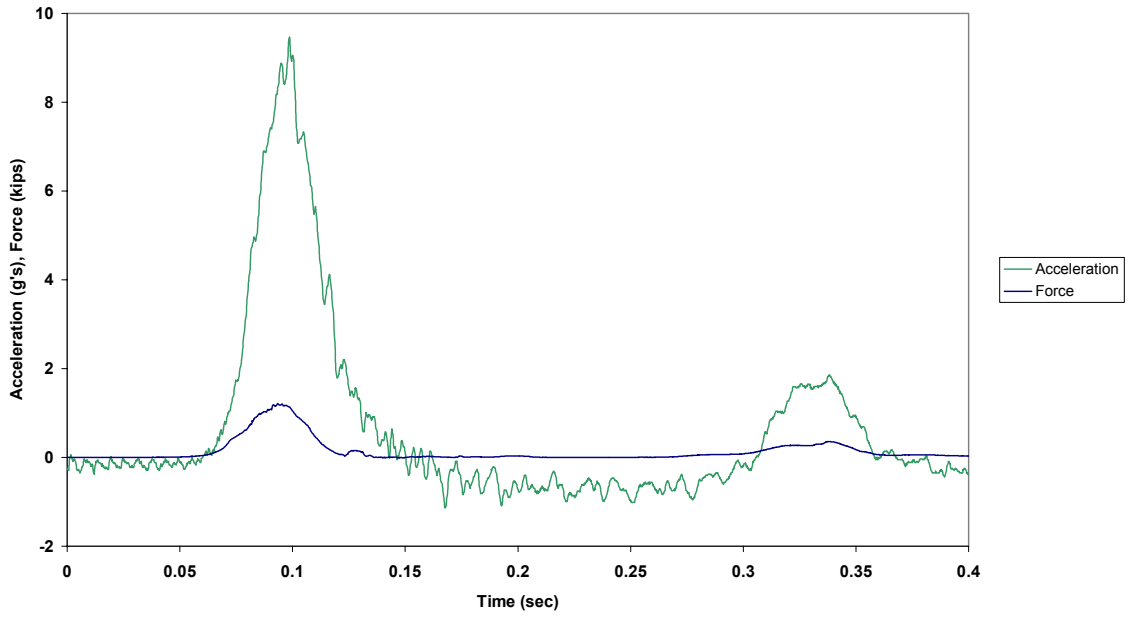


Figure B.35.1 Case 3D: Force and Acceleration vs. Time

Case 3D: New 1/2 in. Amsteel (65 lb from 78 in.)

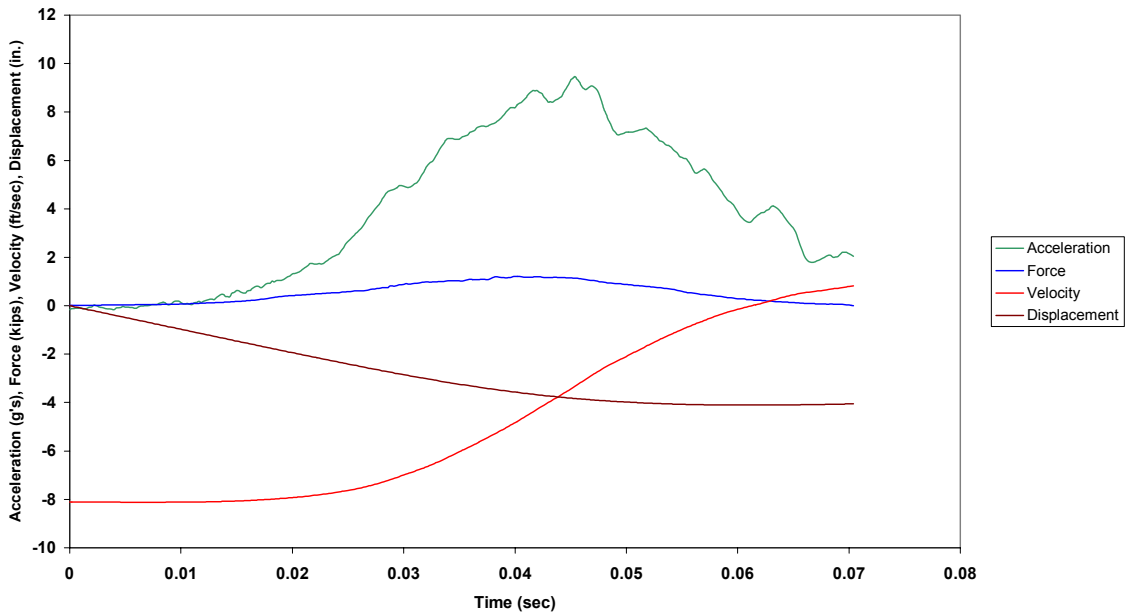


Figure B.35.2 Case 3D: Combined Plot

Case 3D: New 1/2 in. Amsteel (65 lb from 78 in.)

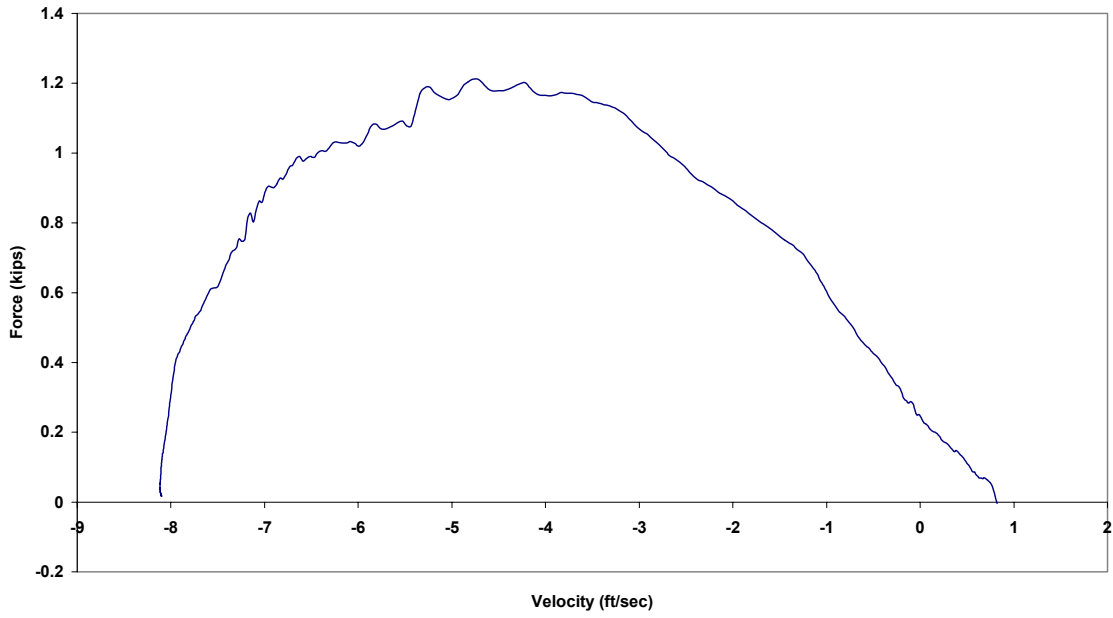


Figure B.35.3 Case 3D: Force vs. Velocity

Case 3D: New 1/2 in. Amsteel (65 lb from 78 in.)

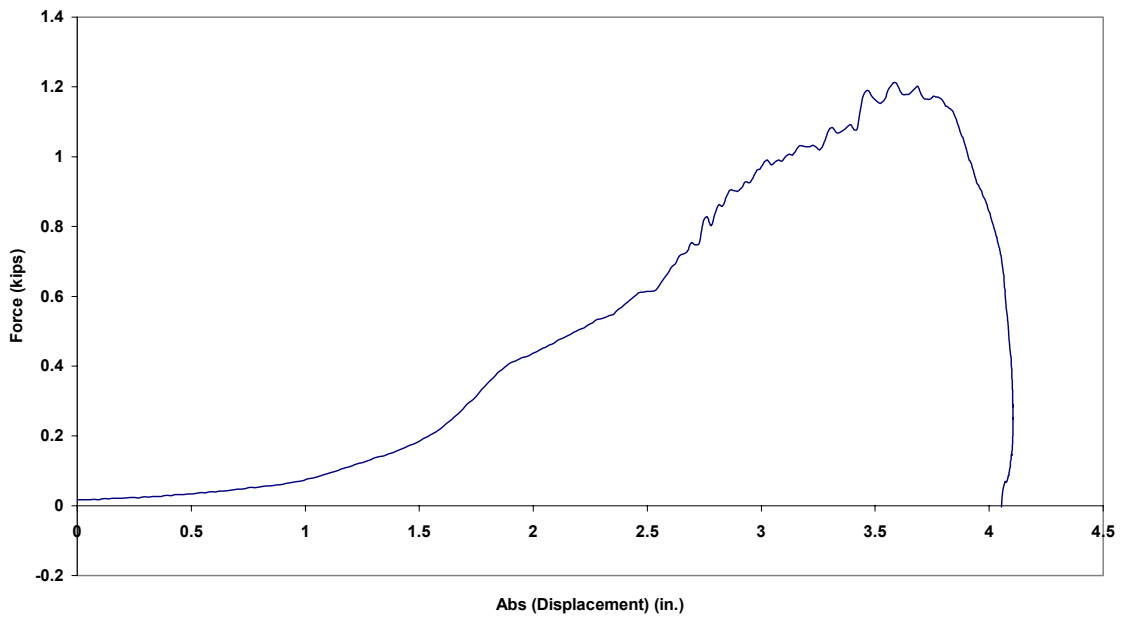


Figure B.35.4 Case 3D: Force vs. Absolute Displacement

Case 4D: New 1/2 in. Amsteel (65 lb from 90 in.)

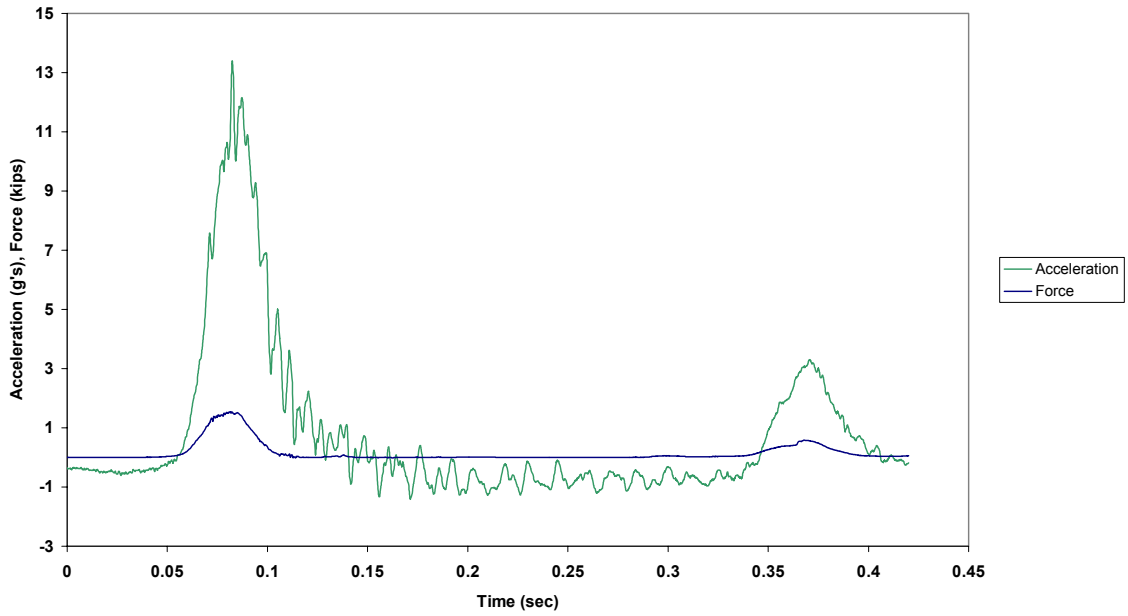


Figure B.36.1 Case 4D: Force and Acceleration vs. Time

Case 4D: New 1/2 in. Amsteel (65 lb from 90 in.)

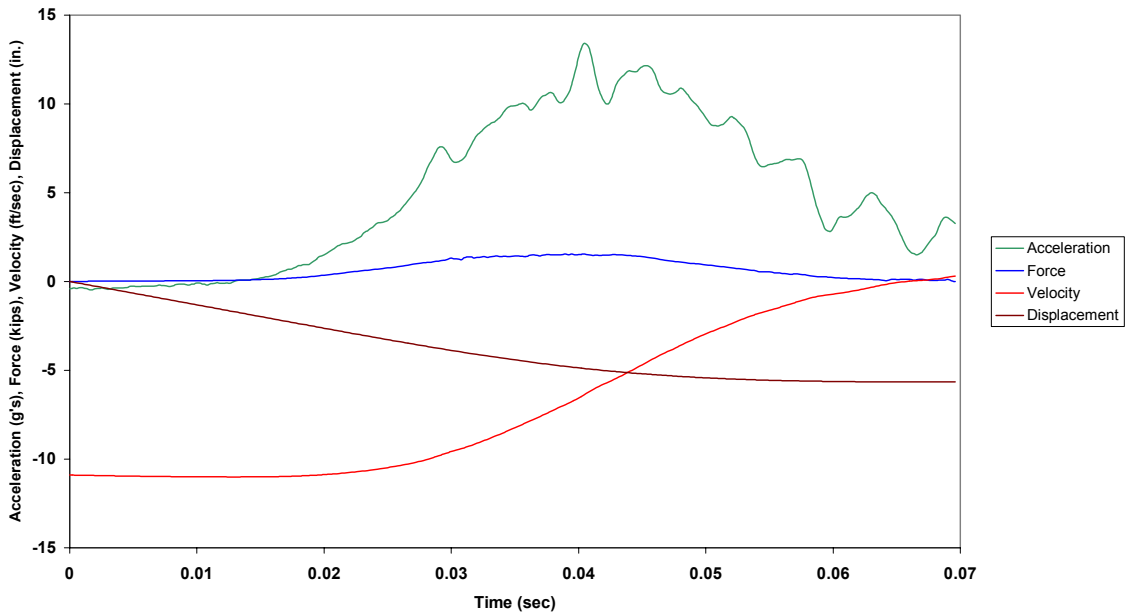


Figure B.36.2 Case 4D: Combined Plot

Case 4D: New 1/2 in. Amsteel (65 lb from 90 in.)

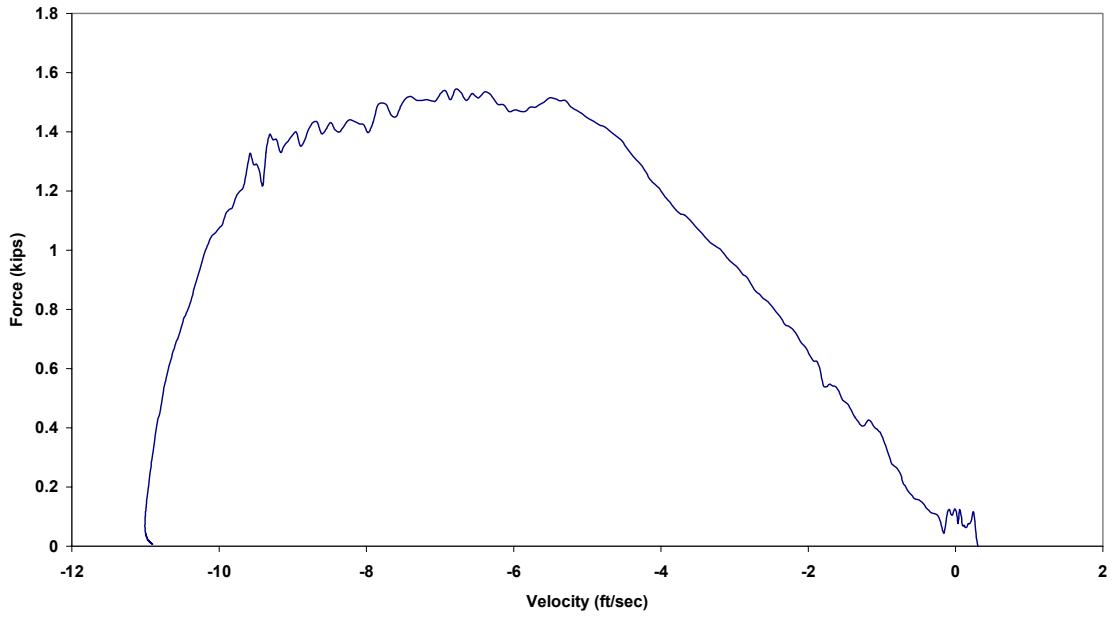


Figure B.36.3 Case 4D: Force vs. Velocity

Case 4D: New 1/2 in. Amsteel (65 lb from 90 in.)

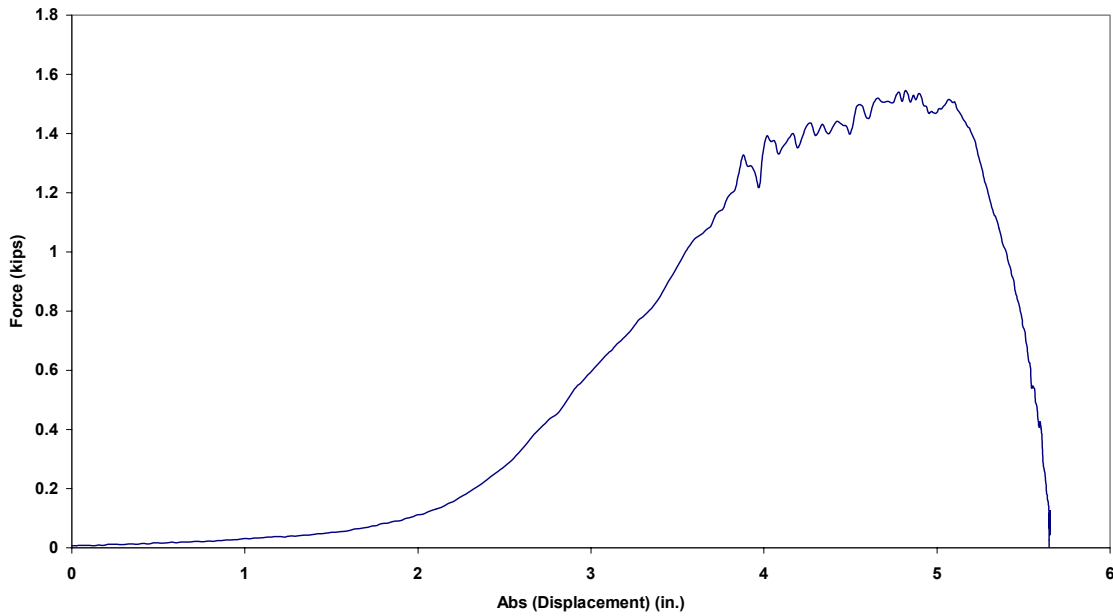


Figure B.36.4 Case 4D: Force vs. Absolute Displacement

Case 5D: New 1/2 in. Amsteel (65 lb from 96 in.)

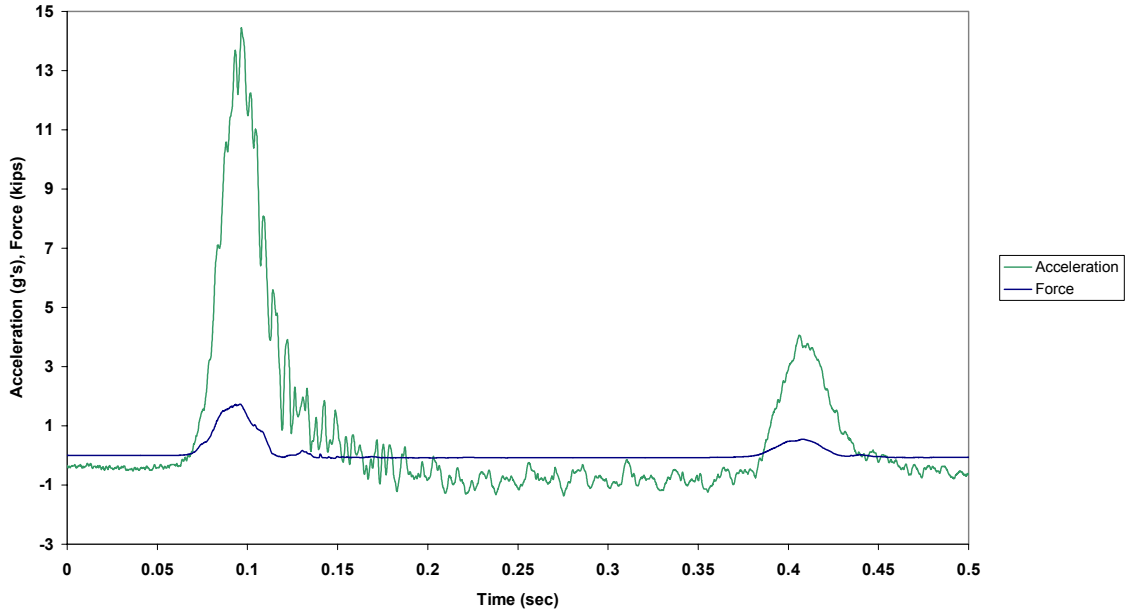


Figure B.37.1 Case 5D: Force and Acceleration vs. Time

Case 5D: New 1/2 in. Amsteel (65 lb from 96 in.)

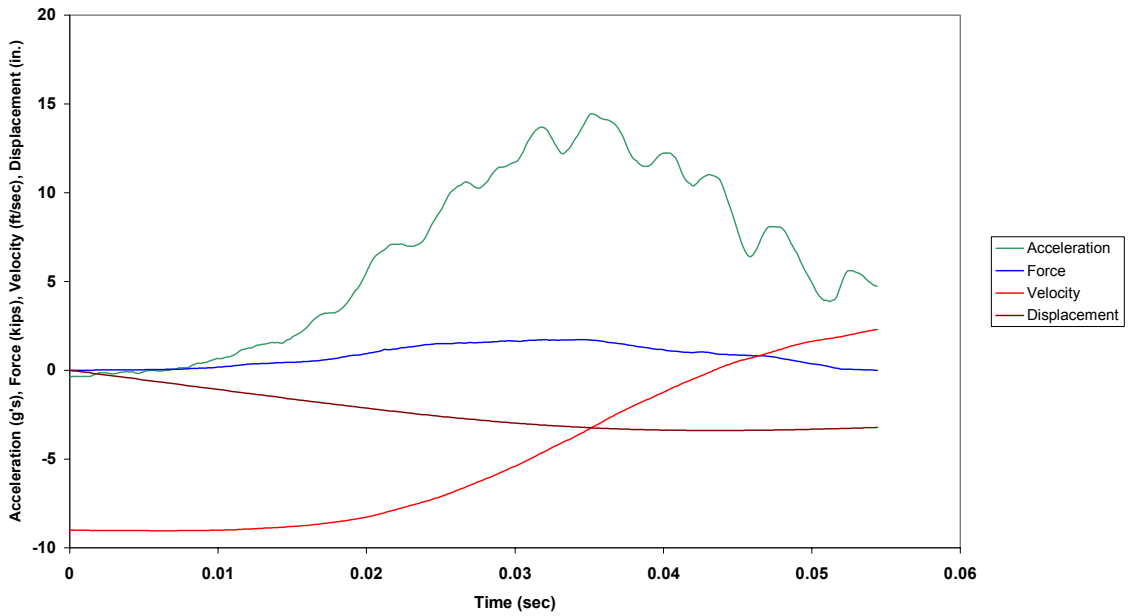


Figure B.37.2 Case 5D: Combined Plot

Case 5D: New 1/2 in. Amsteel (65 lb from 96 in.)

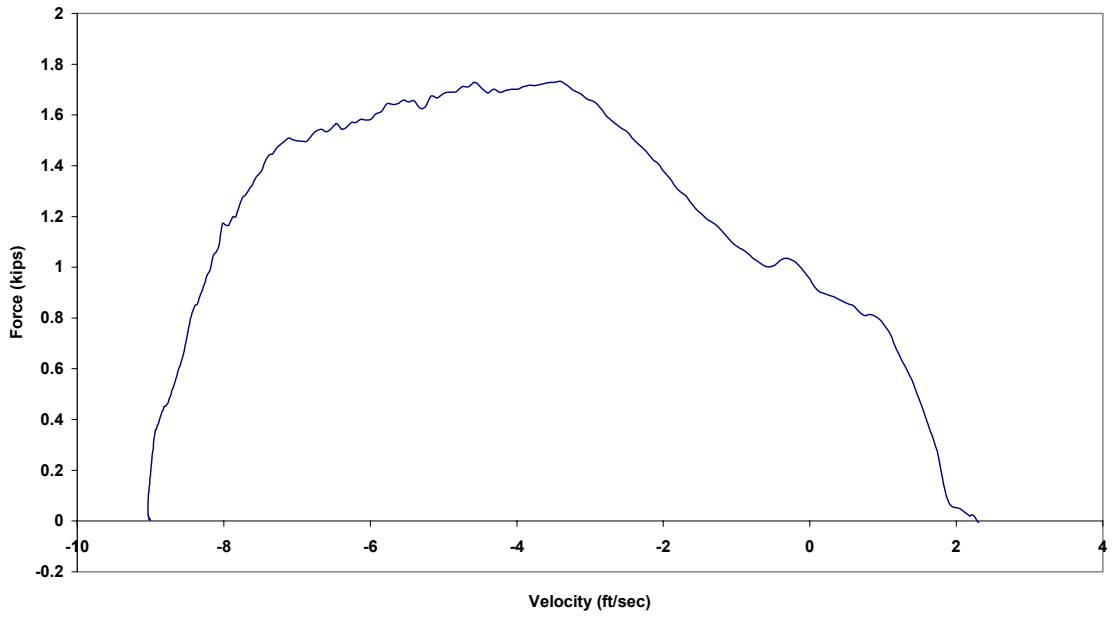


Figure B.37.3 Case 5D: Force vs. Velocity

Case 5D: New 1/2 in. Amsteel (65 lb from 96 in.)

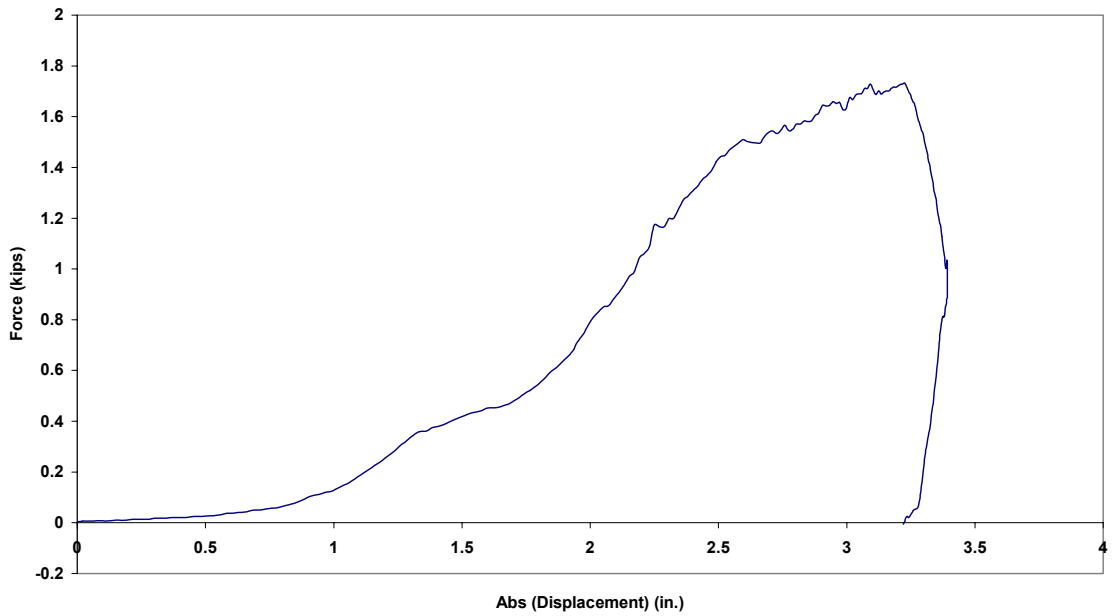


Figure B.37.4 Case 5D: Force vs. Absolute Displacement

Case 6D: New 1/2 in. Amsteel (85 lb from 59 in.)

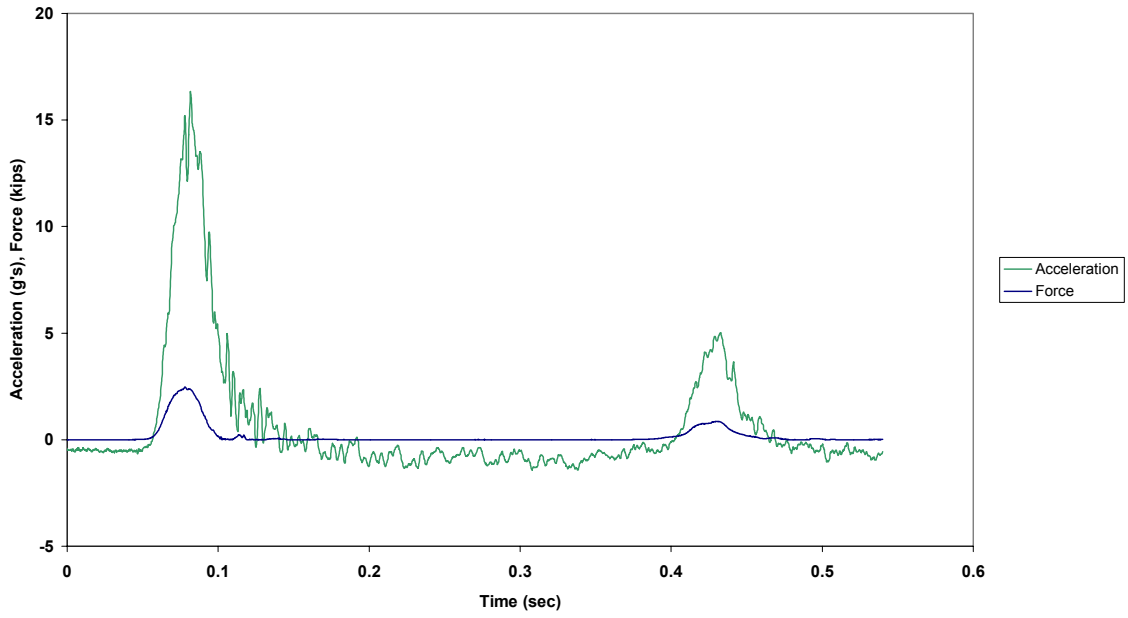


Figure B.38.1 Case 6D: Force and Acceleration vs. Time

Case 6D: New 1/2 in. Amsteel (85 lb from 59 in.)

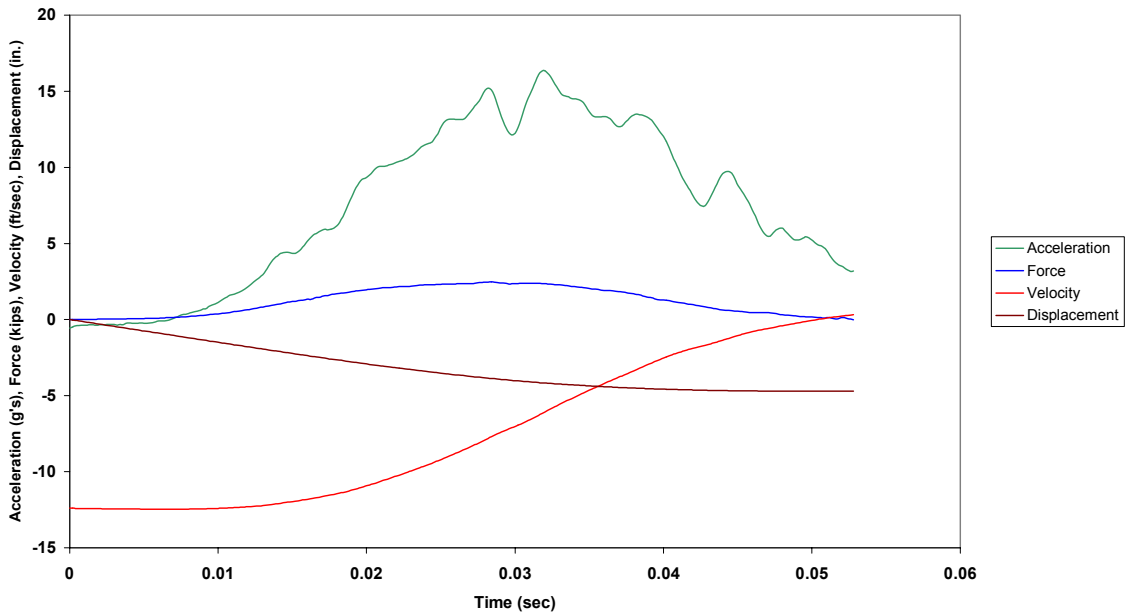


Figure B.38.2 Case 6D: Combined Plot

Case 6D: New 1/2 in. Amsteel (85 lb from 59 in.)

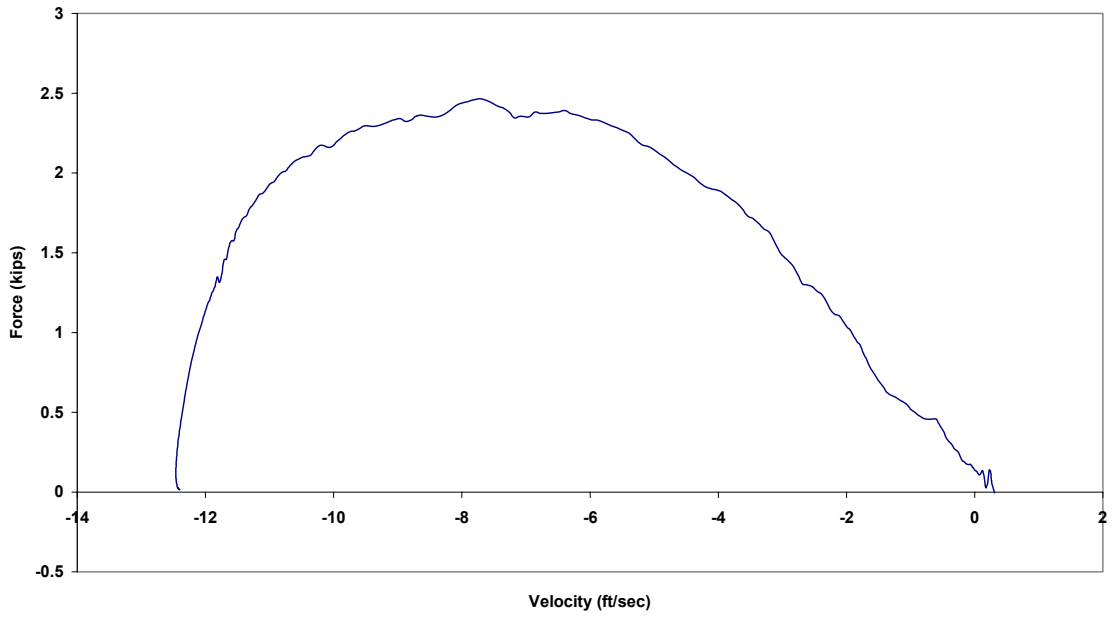


Figure B.38.3 Case 6D: Force vs. Velocity

Case 6D: New 1/2 in. Amsteel SLV (85 lbs. from 59 in.)

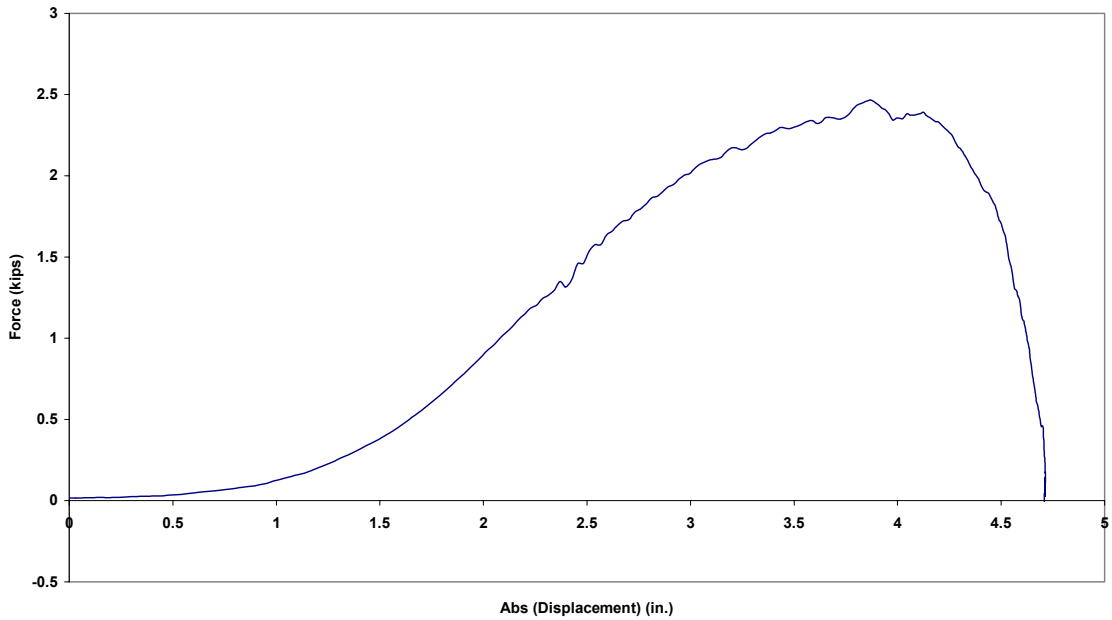


Figure B.38.4 Case 6D: Force vs. Absolute Displacement



Case 7D: New 1/2 in. Amsteel (85 lbs. from 71 in.)

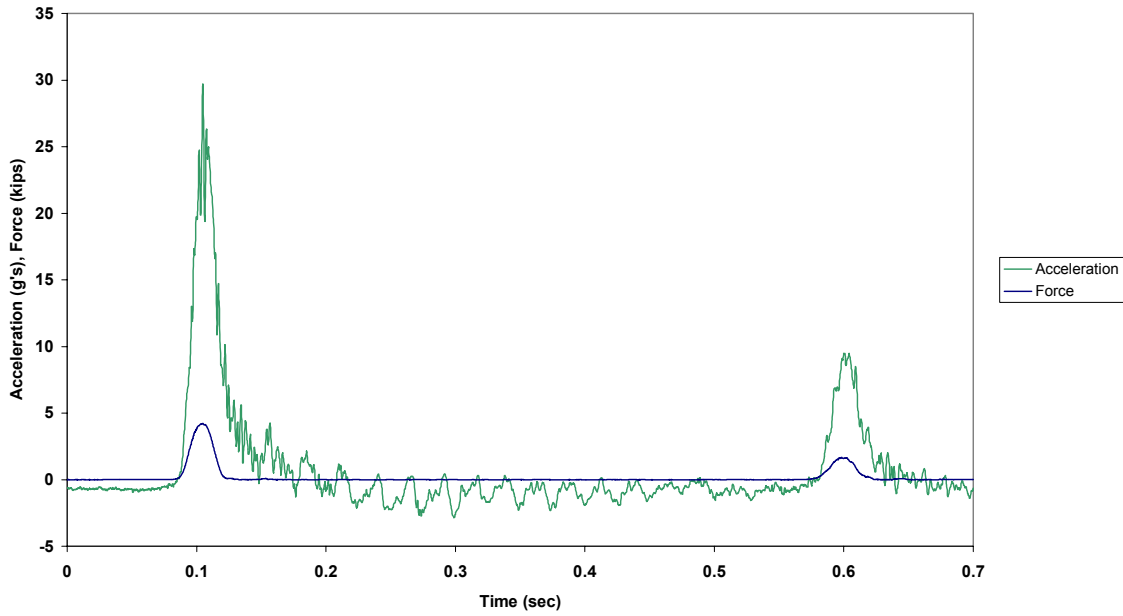


Figure B.39.1 Case 7D: Force and Acceleration vs. Time

Case 7D: New 1/2 in. Amsteel (85 lb from 71 in.)

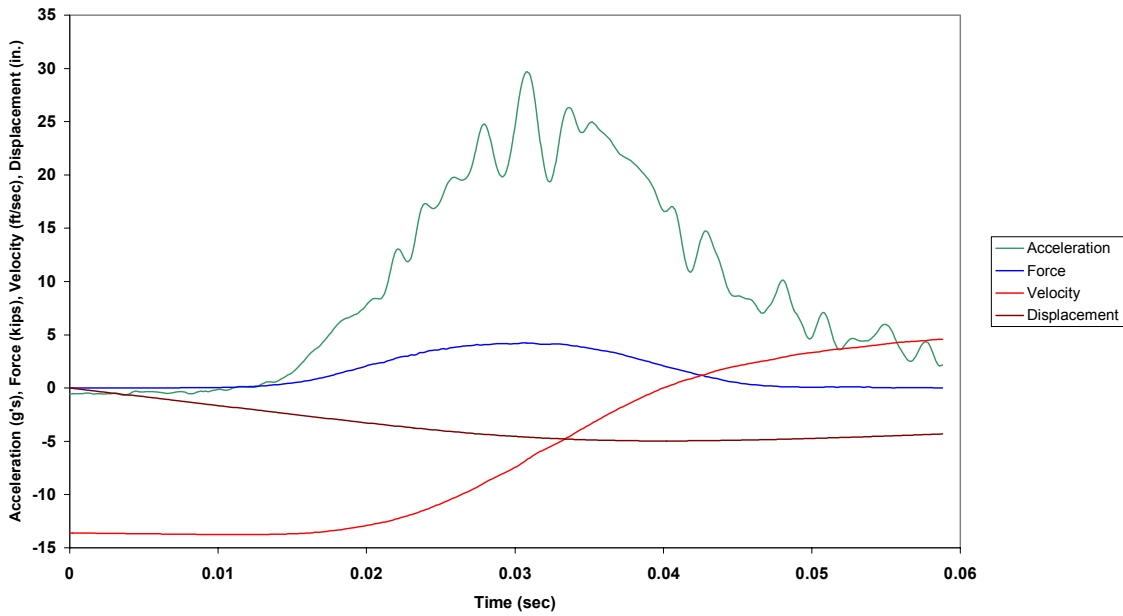


Figure B.39.2 Case 7D: Combined Plot

Case 7D: New 1/2 in. Amsteel (85 lb from 71 in.)

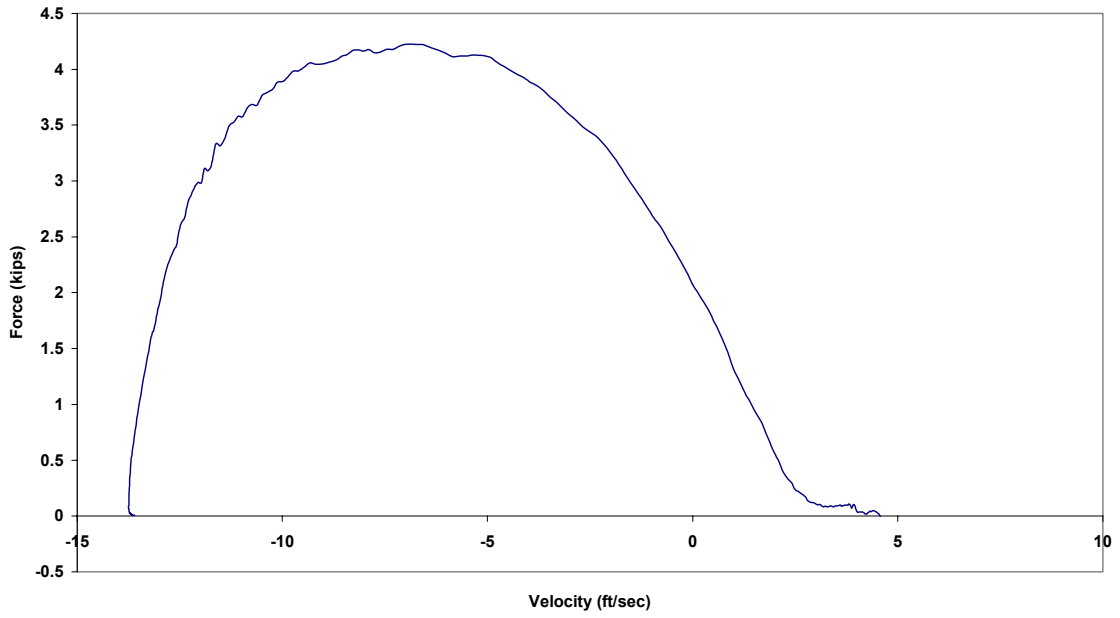


Figure B.39.3 Case 7D: Force vs. Velocity

Case 7D: New 1/2 in. Amsteel (85 lb from 71 in.)

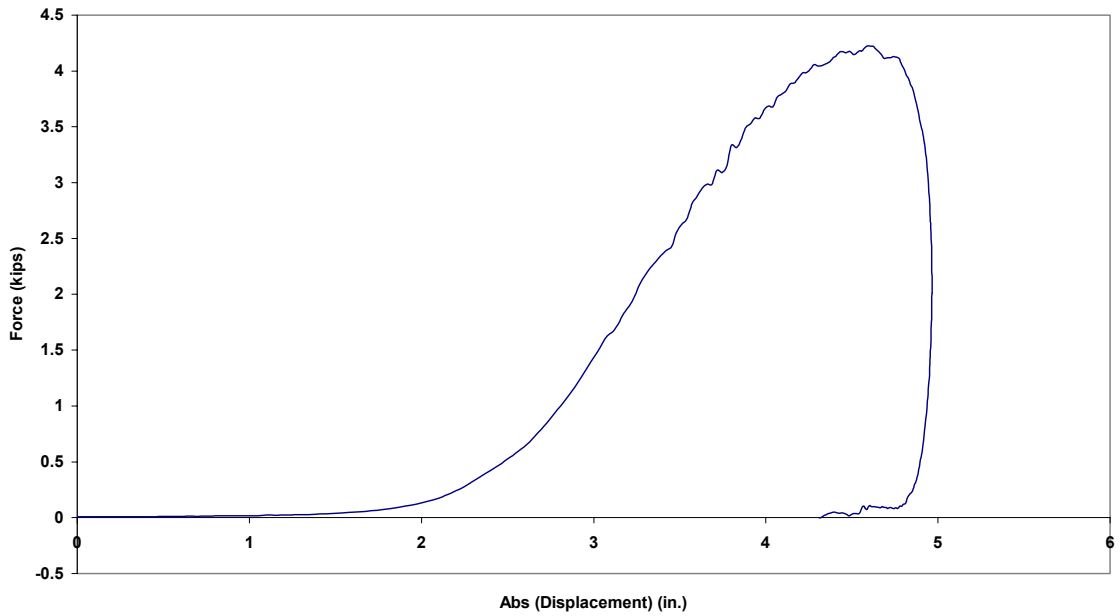


Figure B.39.4 Case 7D: Force vs. Absolute Displacement

Case 8D: New 1/2 in. Amsteel (65 lb from 59 in.)

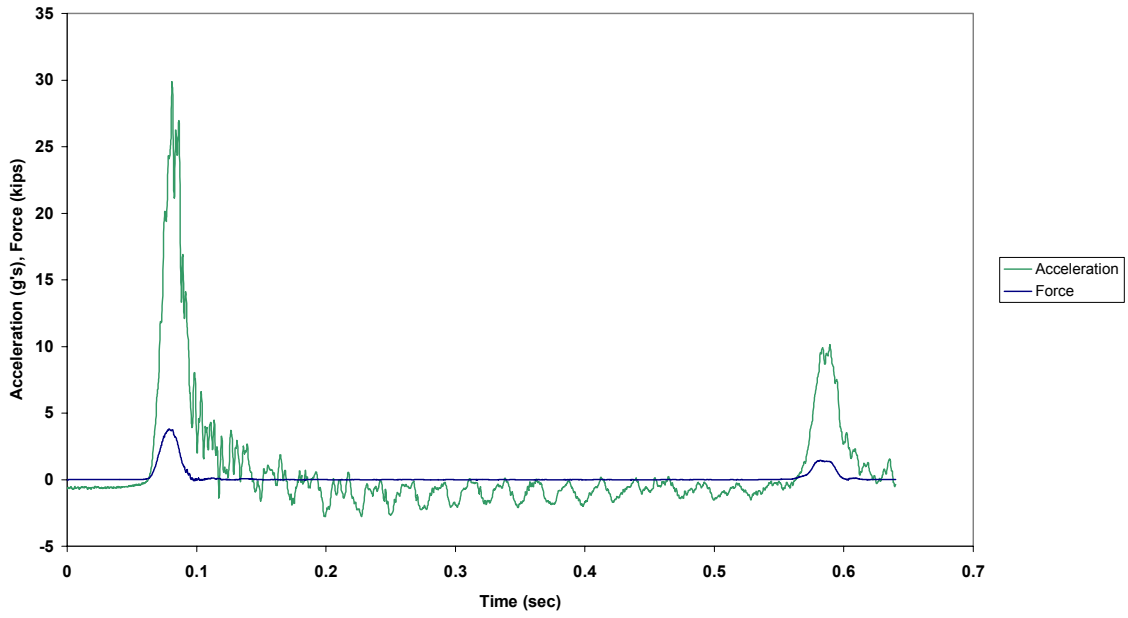


Figure B.40.1 Case 8D: Force and Acceleration vs. Time

Case 8D: New 1/2 in. Amsteel (65 lb from 59 in.)

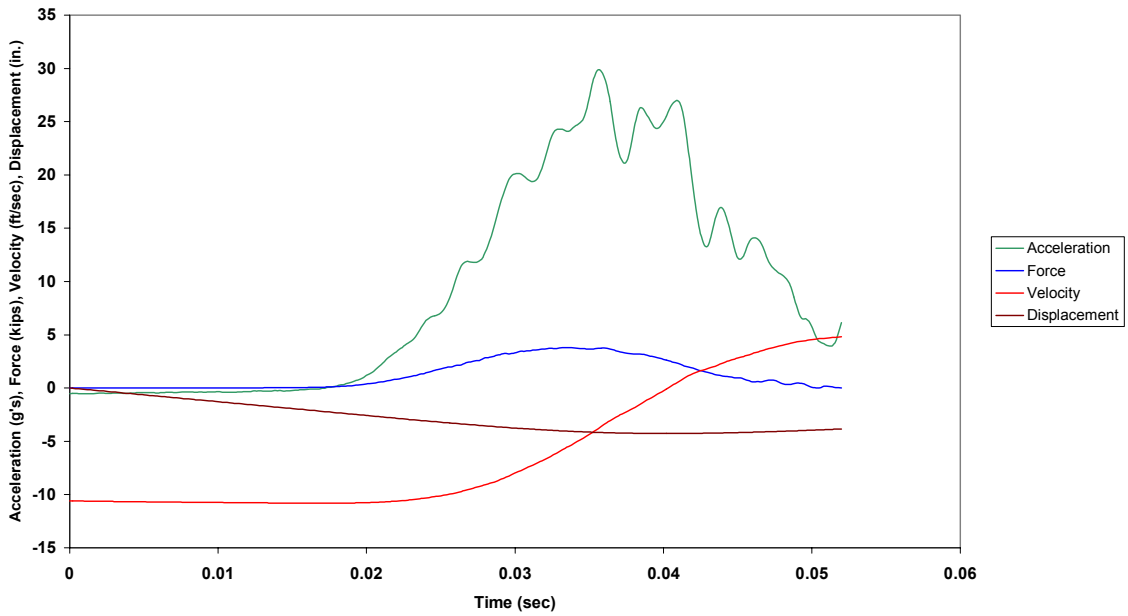


Figure B.40.2 Case 8D: Combined Plot

Case 8D: New 1/2 in. Amsteel (65 lb from 59 in.)

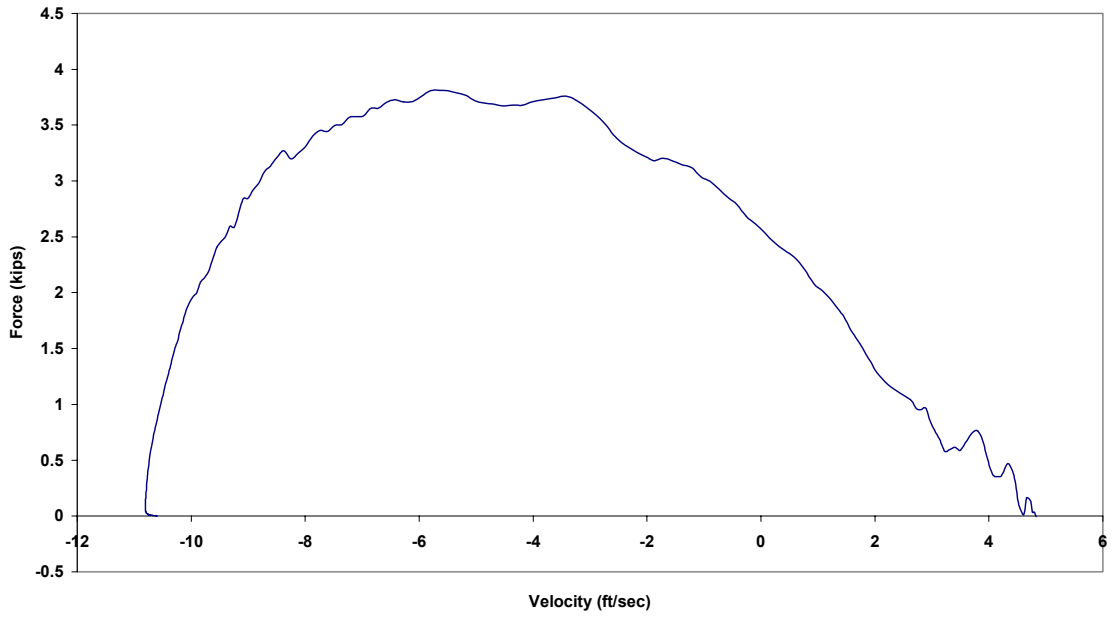


Figure B.40.3 Case 8D: Force vs. Velocity

Case 8D: New 1/2 in. Amsteel (65 lb from 59 in.)

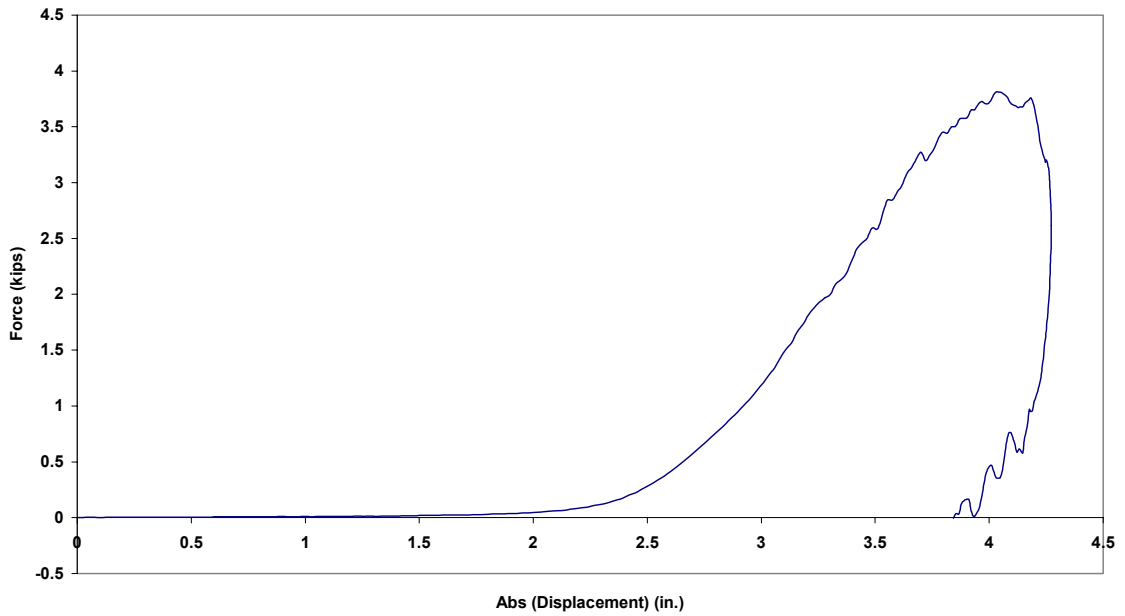


Figure B.40.4 Case 8D: Force vs. Absolute Displacement

Case 9D: New 1/2 in. Amsteel (65 lb from 59 in.)

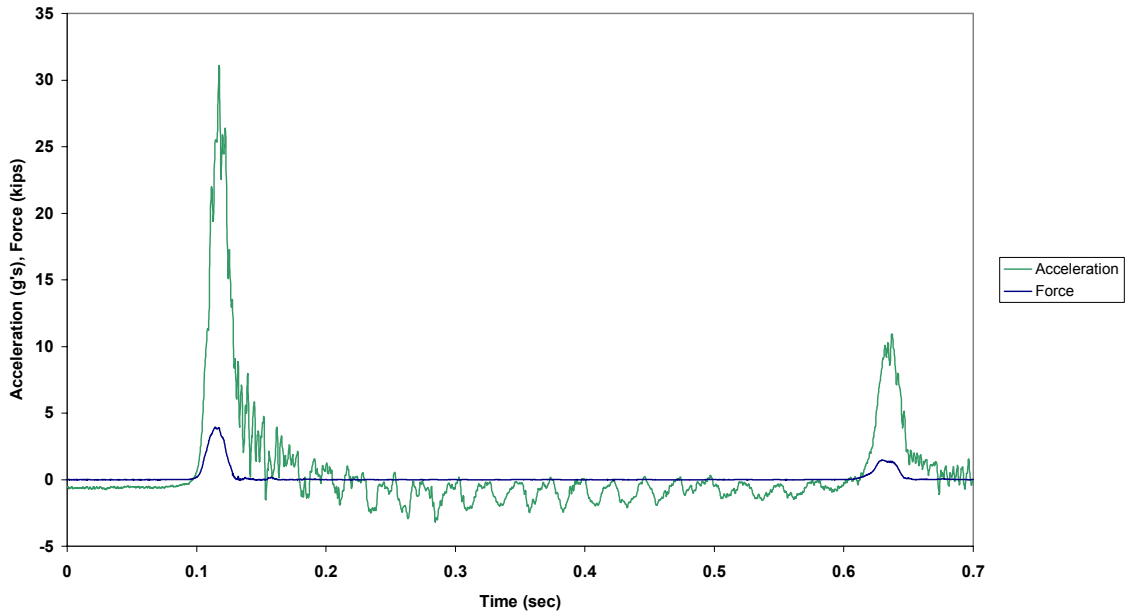


Figure B.41.1 Case 9D: Force and Acceleration vs. Time

Case 9D: New 1/2 in. Amsteel (65 lb from 59 in.)

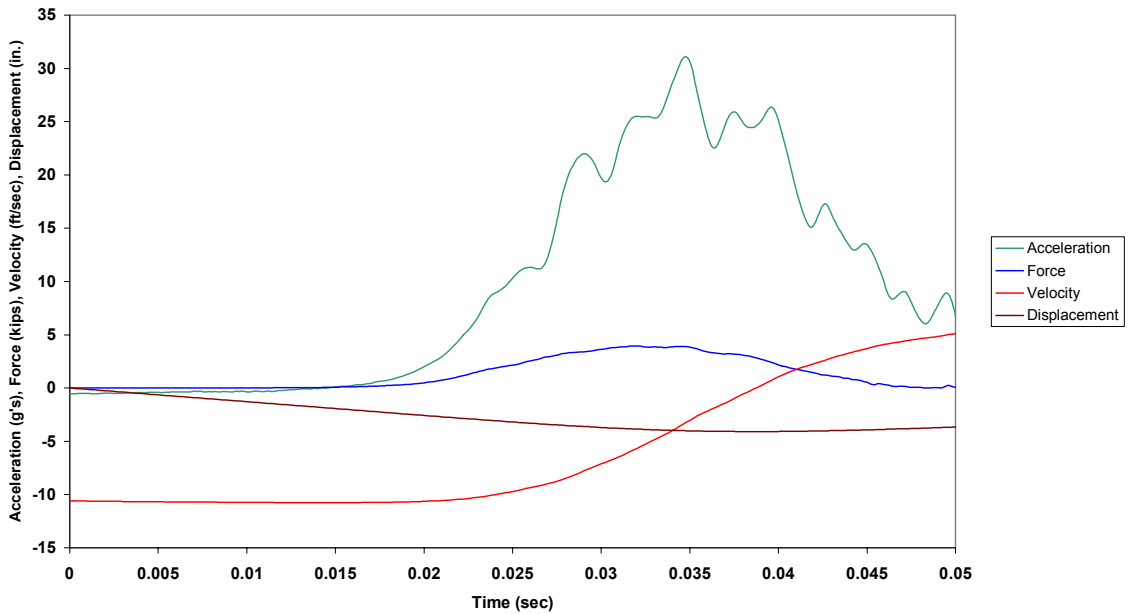


Figure B.41.2 Case 9D: Combined Plot

Case 9D: New 1/2 in. Amsteel (65 lb from 59 in.)

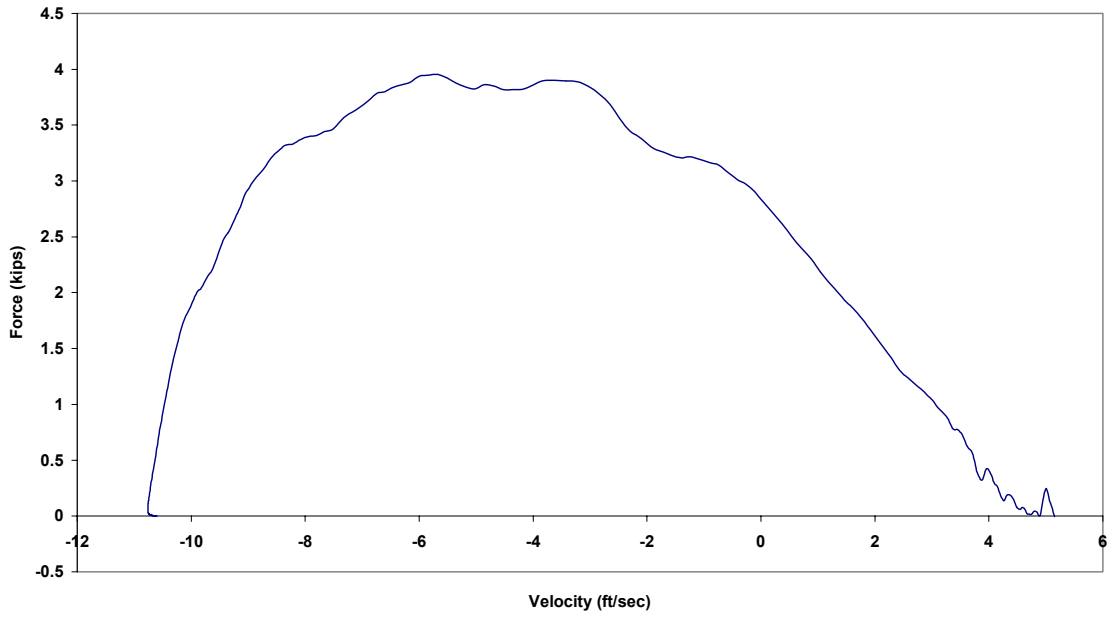


Figure B.41.3 Case 9D: Force vs. Velocity

Case 9D: New 1/2 in. Amsteel (65 lb from 59 in.)

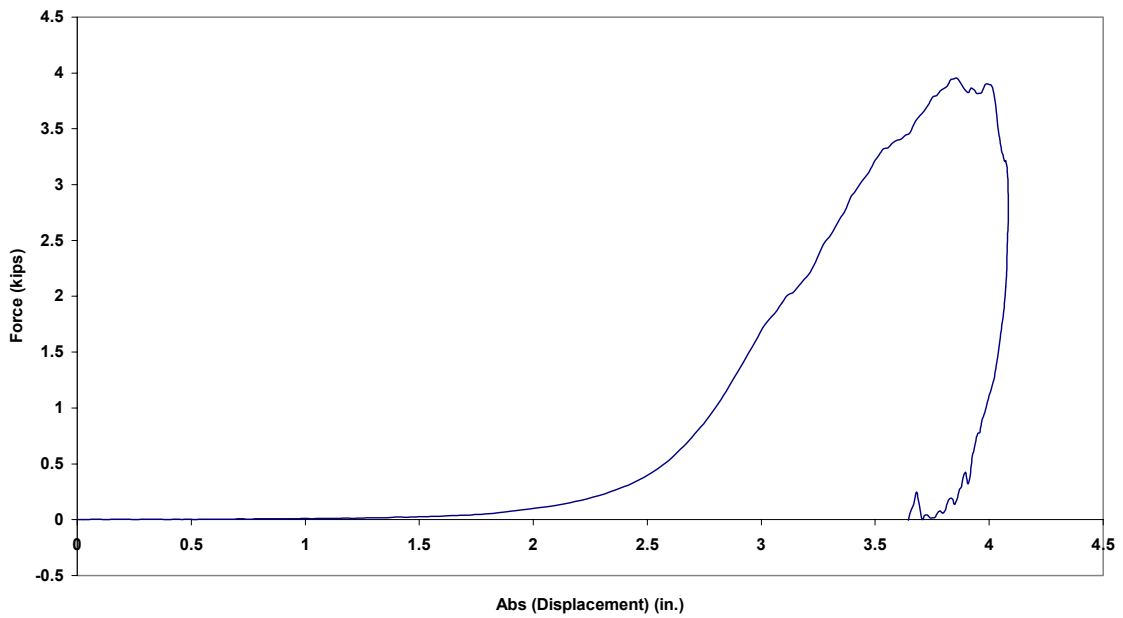


Figure B.41.4 Case 9D: Force vs. Absolute Displacement

Case 10D: New 1/2 in. Amsteel (65 lb from 59 in.)

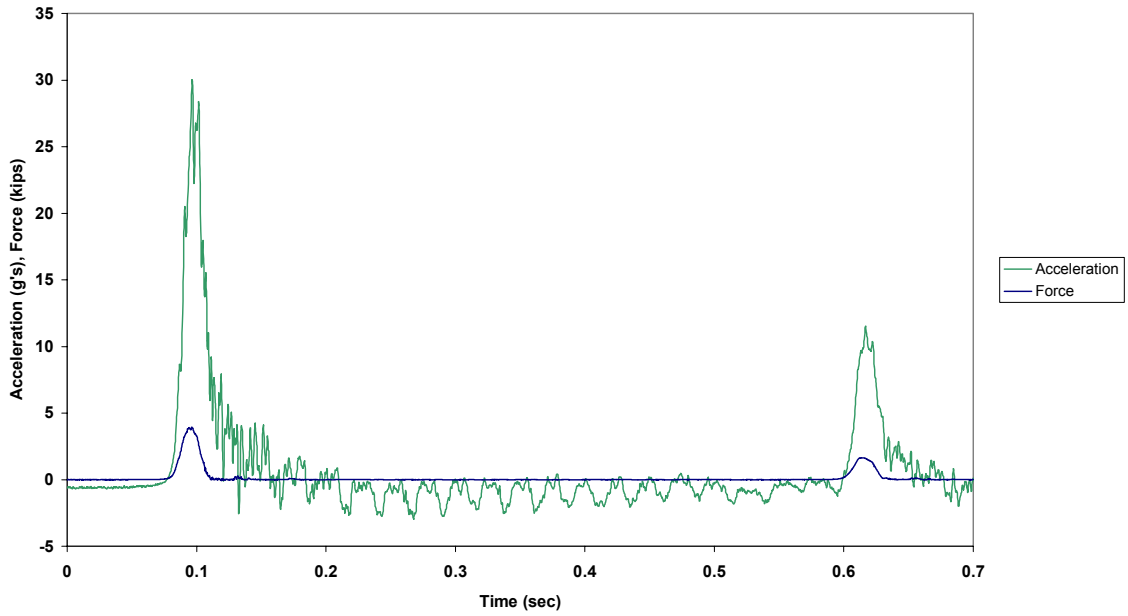


Figure B.42.1 Case 10D: Force and Acceleration vs. Time

Case 10D: New 1/2 in. Amsteel (65 lb from 59 in.)

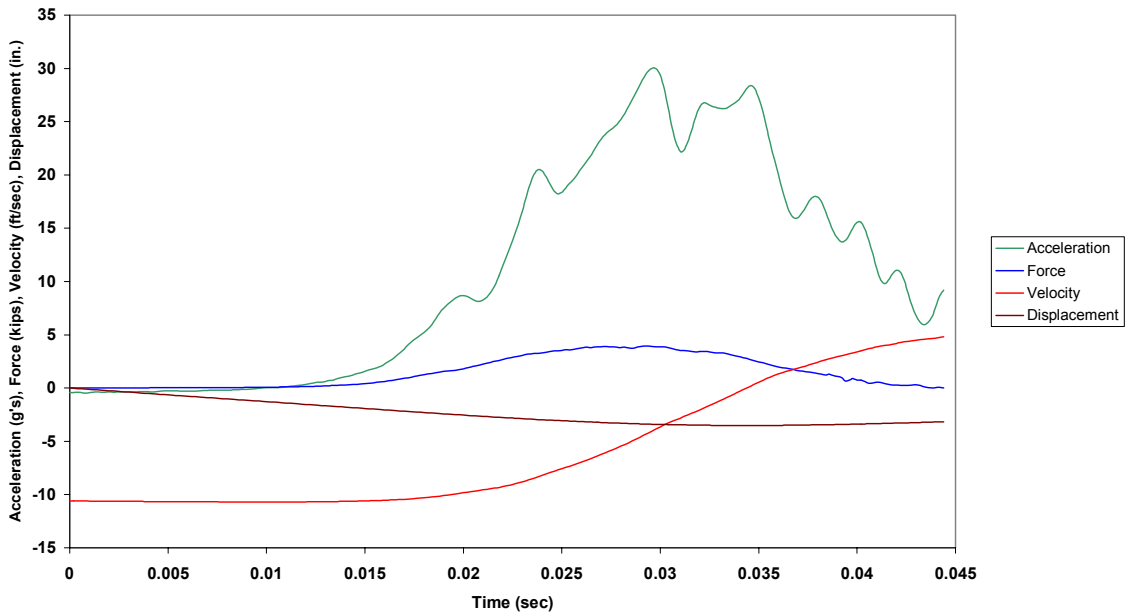


Figure B.42.2 Case 10D: Combined Plot

Case 10D: New 1/2 in. Amsteel (65 lb from 59 in.)

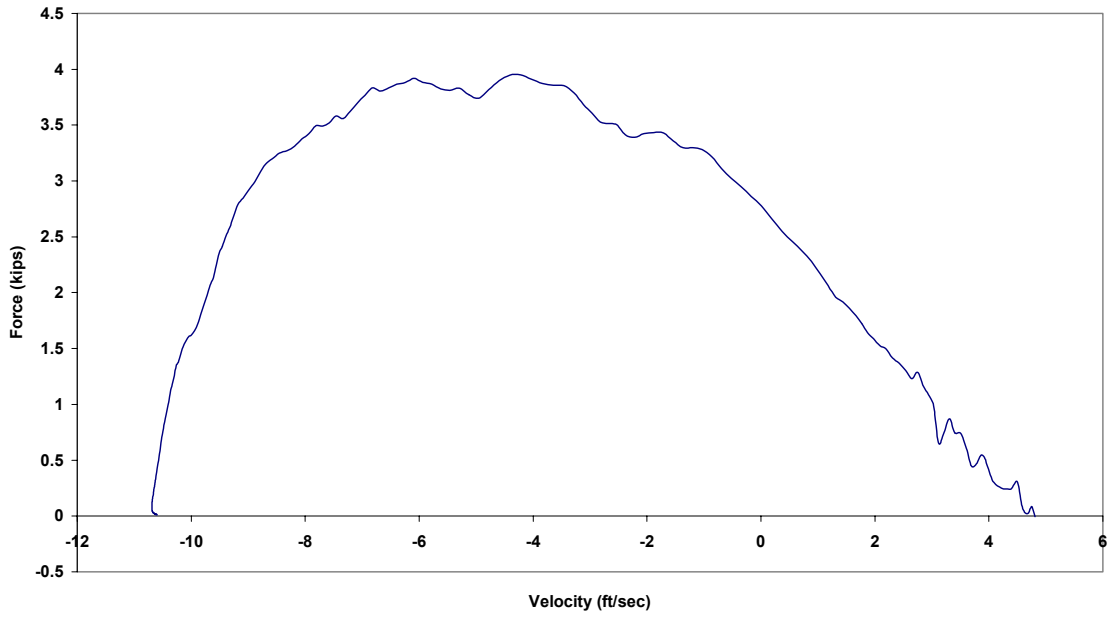


Figure B.42.3 Case 10D: Force vs. Velocity

Case 10D: New 1/2 in. Amsteel (65 lb from 59 in.)

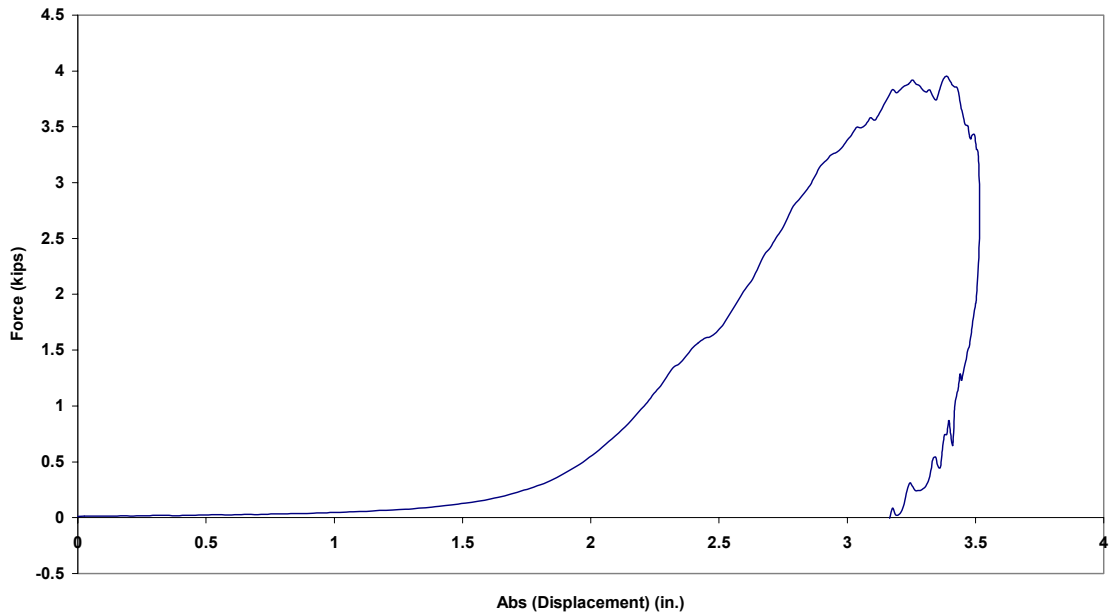


Figure B.42.4 Case 10D: Force vs. Absolute Displacement



Case 11D: New 1/2 in. Amsteel (65 lb from 59 in.)

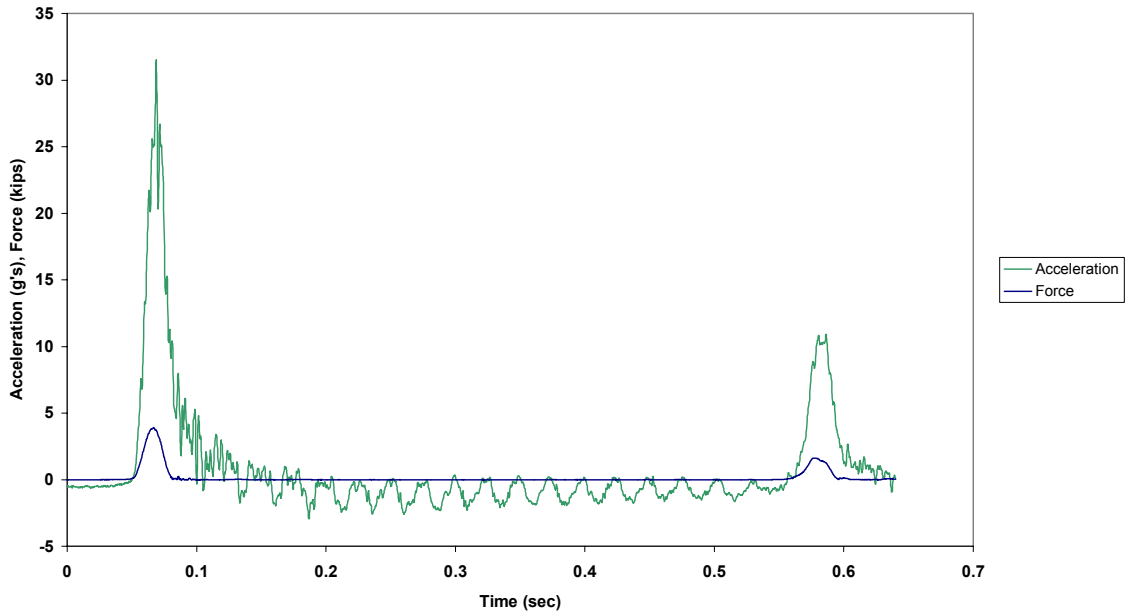


Figure B.43.1 Case 11D: Force and Acceleration vs. Time

Case 11D: New 1/2 in. Amsteel (65 lb from 59 in.)

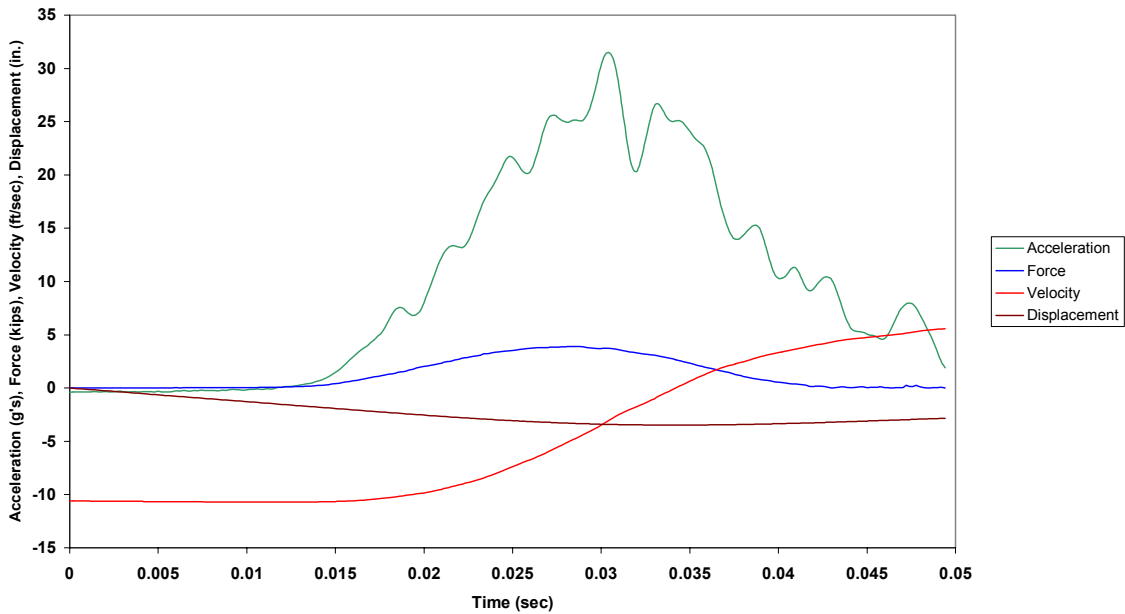


Figure B.43.2 Case 11D: Combined Plot

Case 11D: New 1/2 in. Amsteel (65 lb from 59 in.)

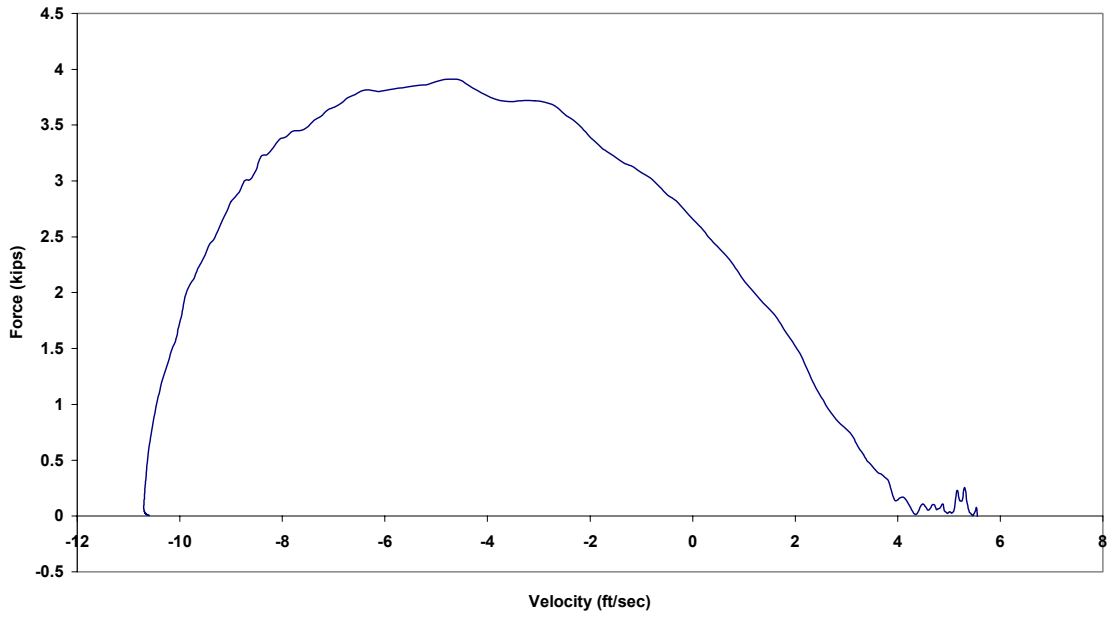


Figure B.43.3 Case 11D: Force vs. Velocity

Case 11D: New 1/2 in. Amsteel (65 lb from 59 in.)

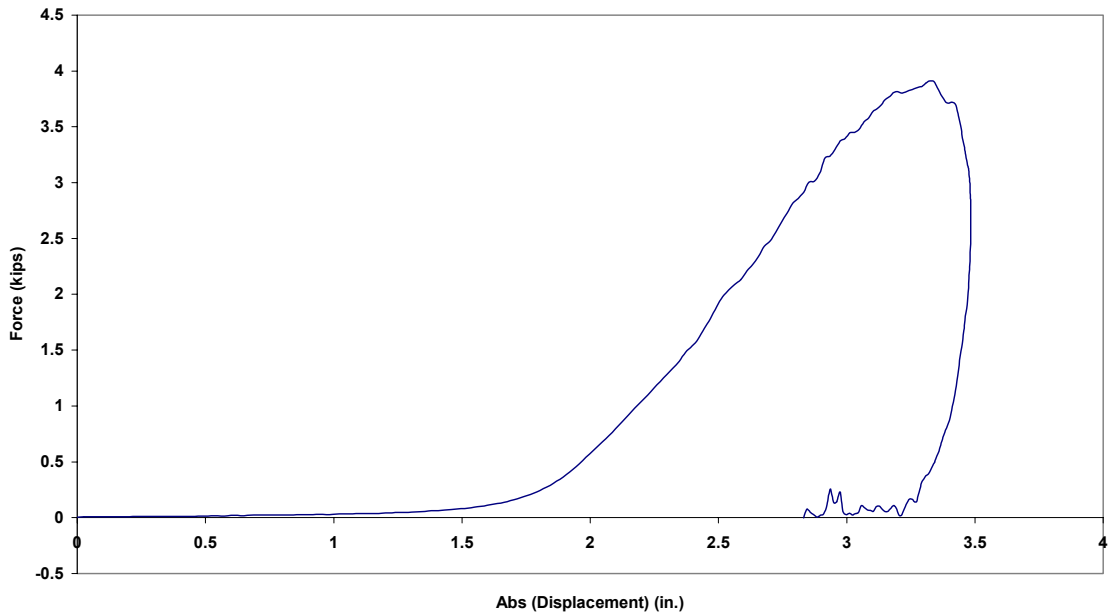


Figure B.43.4 Case 11D: Force vs. Absolute Displacement

Case 12D: New 1/2 in. Amsteel (65 lb from 59 in.)

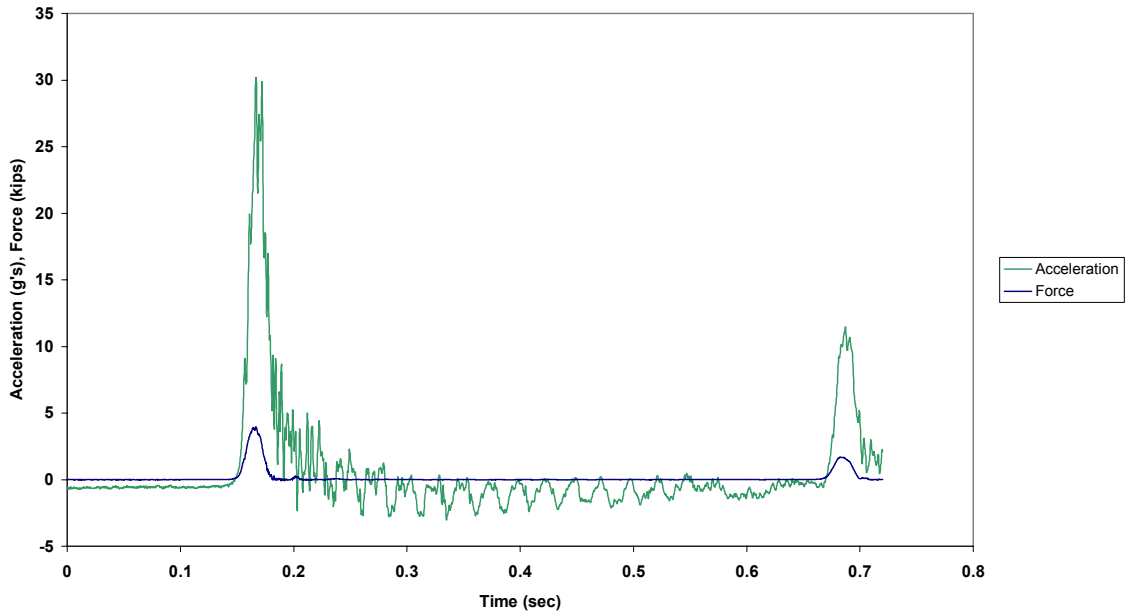


Figure B.44.1 Case 12D: Force and Acceleration vs. Time

Case 12D: New 1/2 in. Amsteel (65 lb from 59 in.)

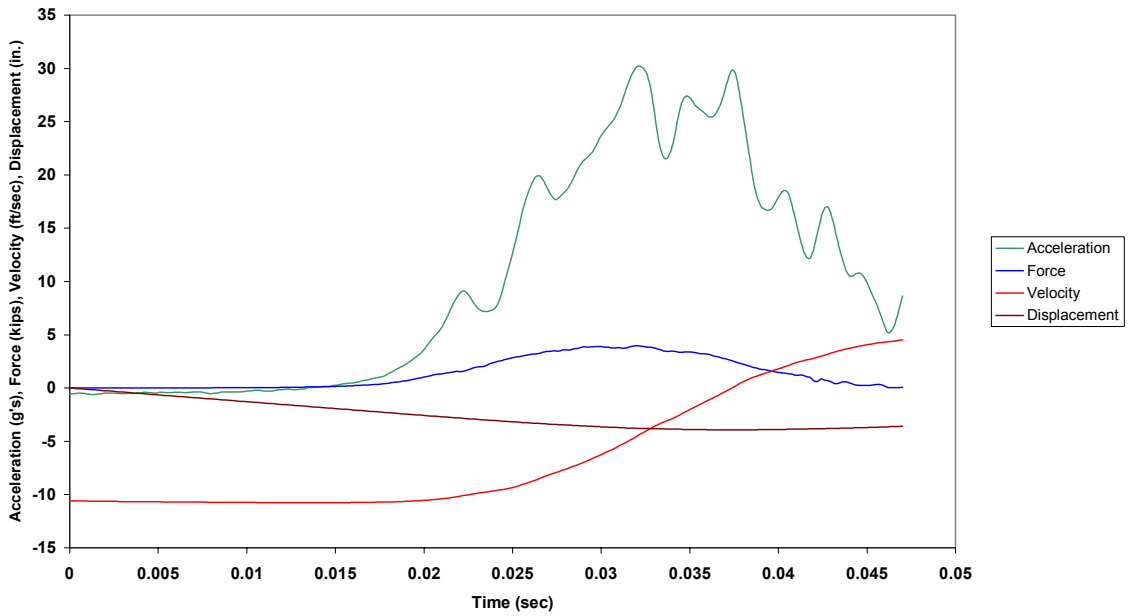


Figure B.44.2 Case 12D: Combined Plot

Case 12D: New 1/2 in. Amsteel (65 lb from 59 in.)

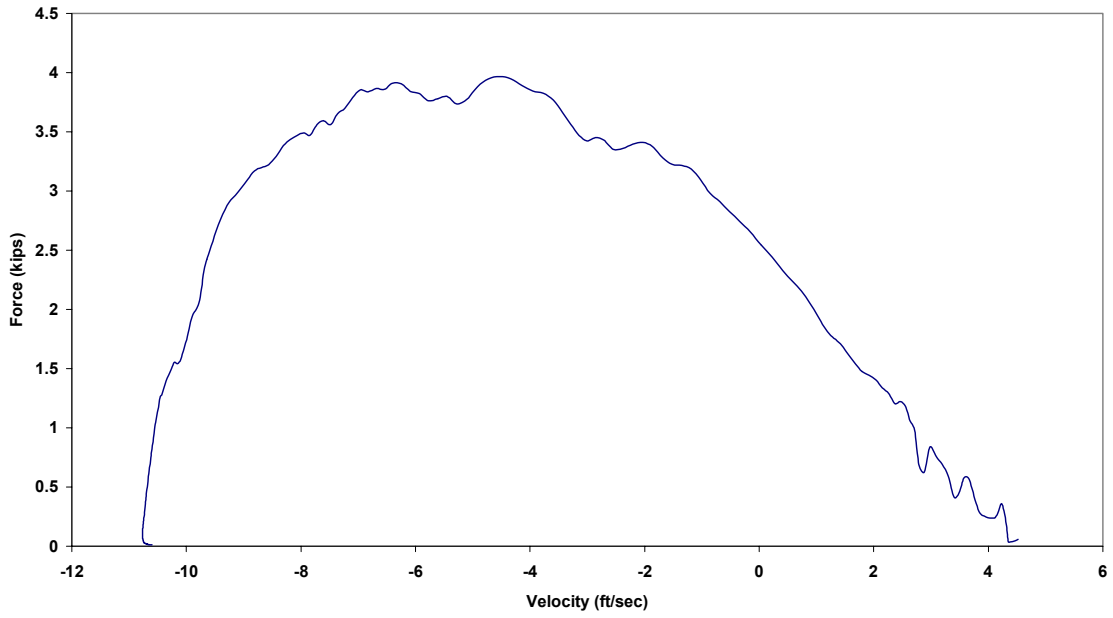


Figure B.44.3 Case 12D: Force vs. Velocity

Case 12D: New 1/2 in. Amsteel (65 lb from 59 in.)

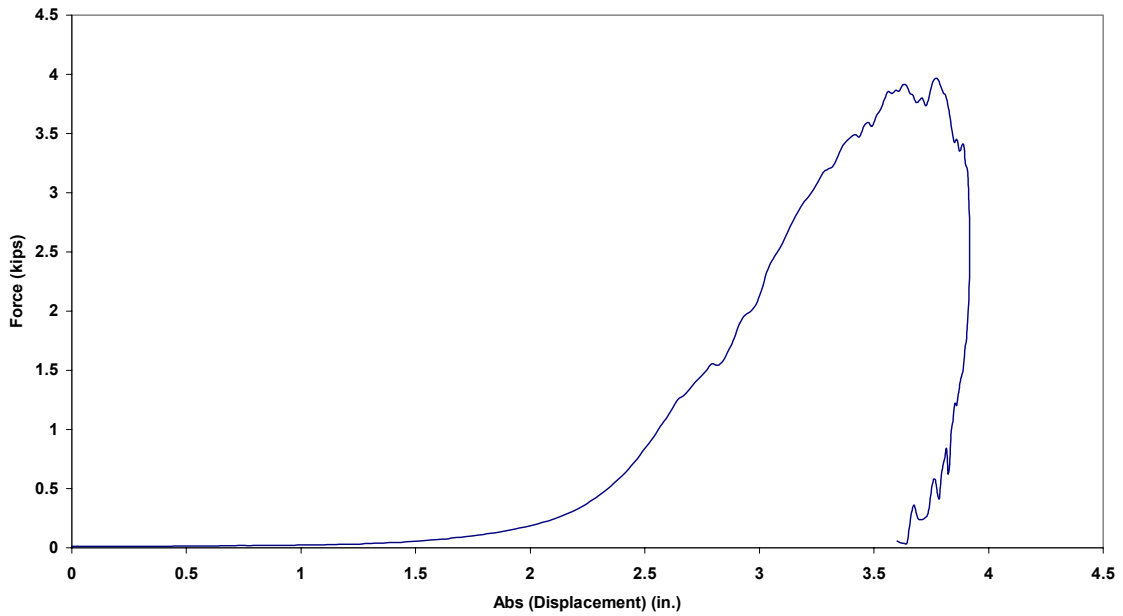


Figure B.44.4 Case 12D: Force vs. Absolute Displacement

Case 13D: New 1/2 in. Amsteel (65 lb from 59 in.)

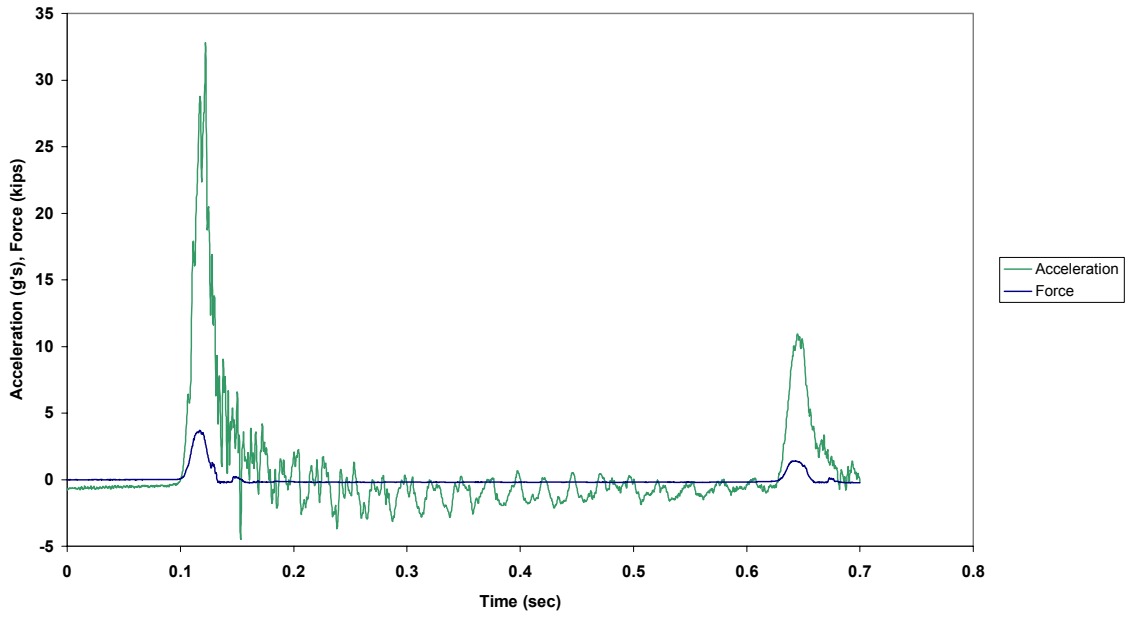


Figure B.45.1 Case 13D: Force and Acceleration vs. Time

Case 13D: New 1/2 in. Amsteel (65 lb from 59 in.)

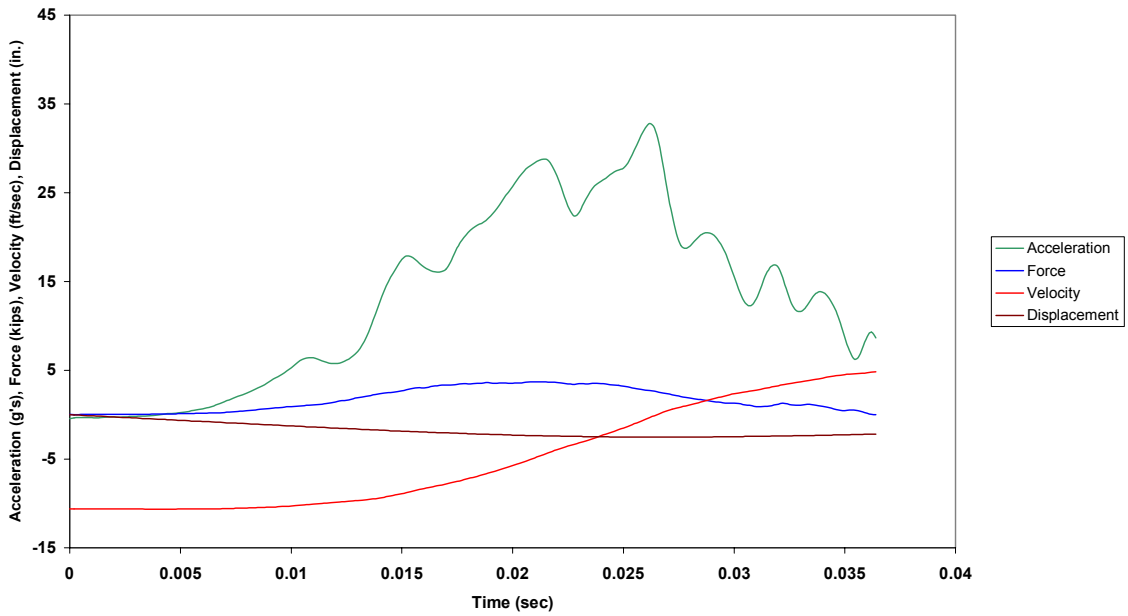


Figure B.45.2 Case 13D: Combined Plot

Case 13D: New 1/2 in. Amsteel (65 lb from 59 in.)

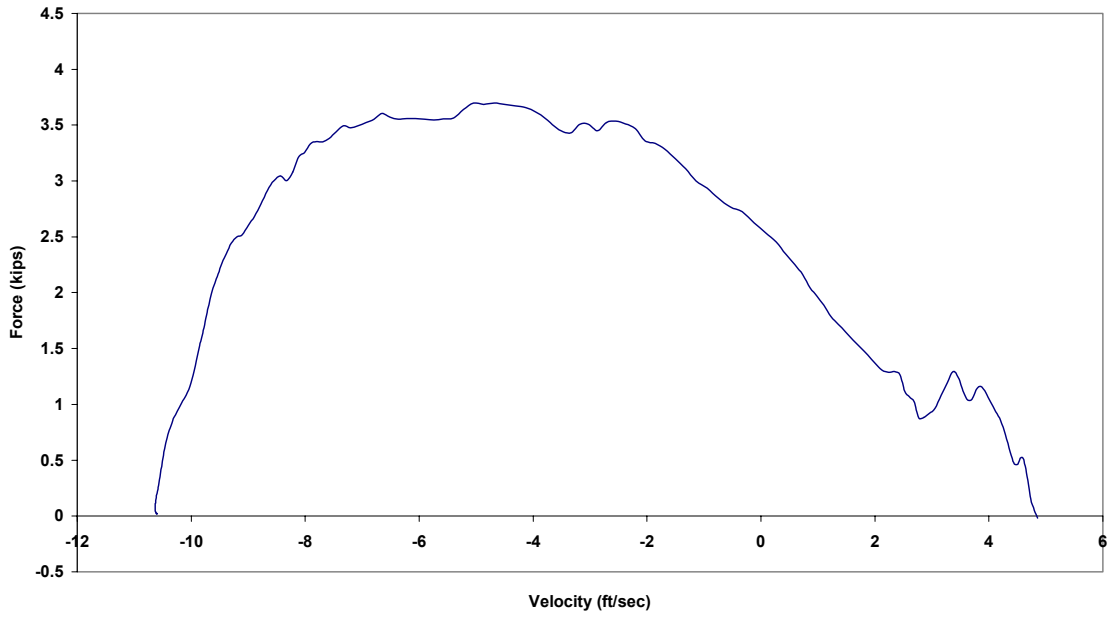


Figure B.45.3 Case 13D: Force vs. Velocity

Case 13D: New 1/2 in. Amsteel (65 lb from 59 in.)

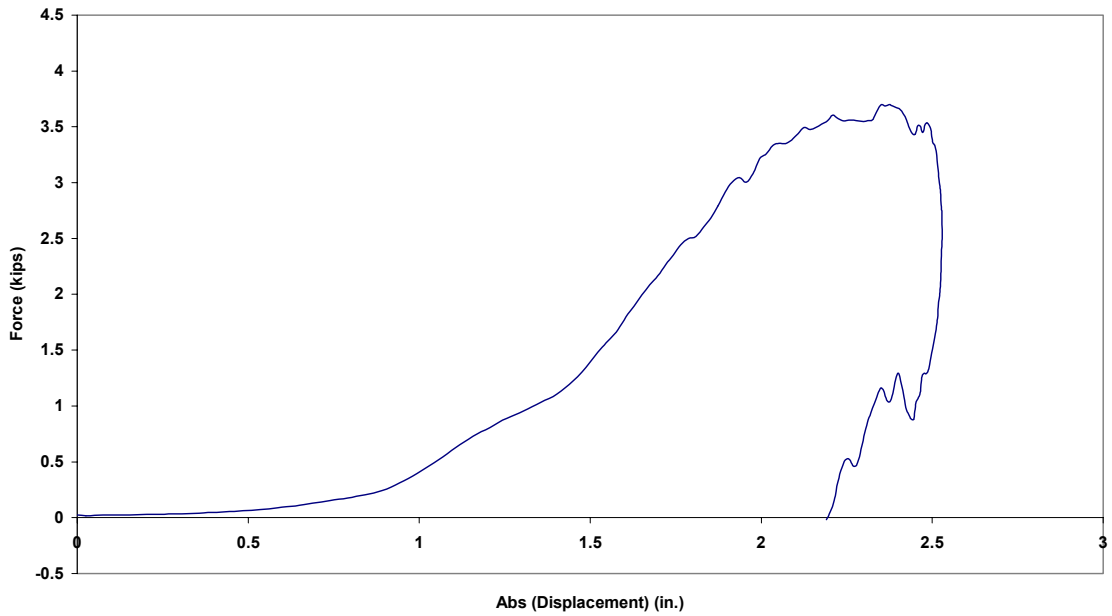


Figure B.45.4 Case 13D: Force vs. Absolute Displacement

Case 1FF: Precycled 7 ft. 3/8 in. Amsteel (45 lb from 64 in.)

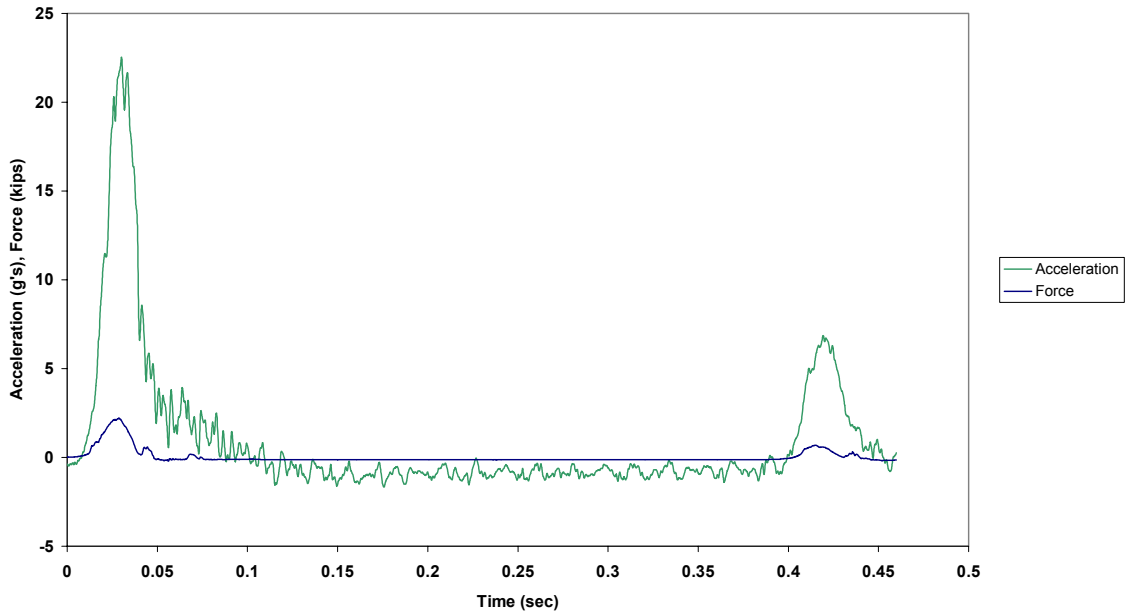


Figure B.46.1 Case 1FF: Force and Acceleration vs. Time

Case 1FF: Precycled 7 ft. 3/8 in. Amsteel (45 lb from 64 in.)

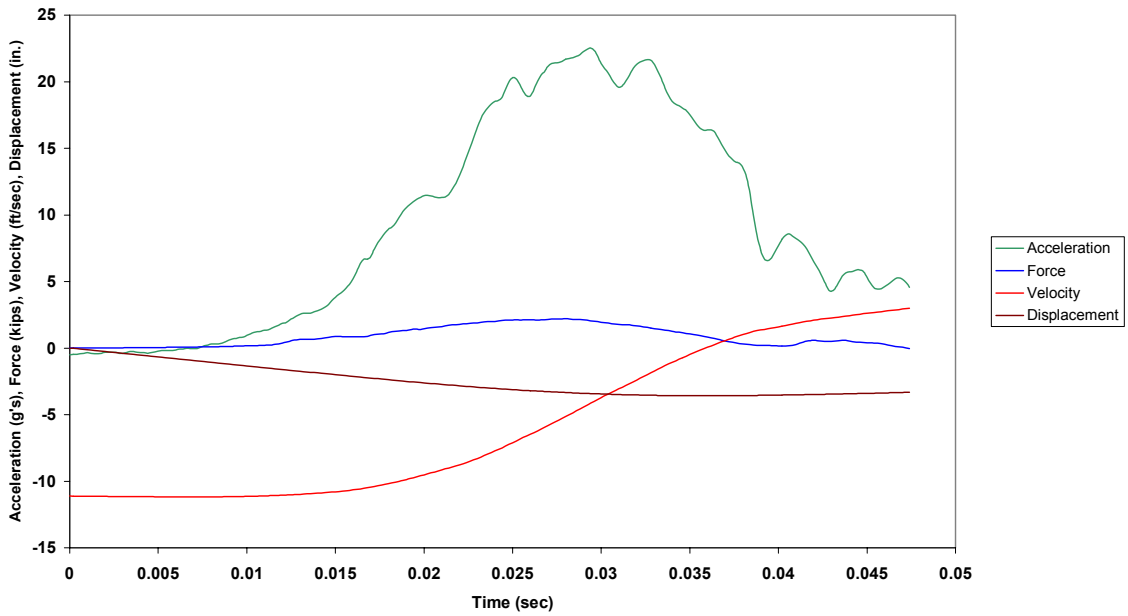


Figure B.46.2 Case 1FF: Combined Plot

Case 1FF: Precycled 7 ft. 3/8 in. Amsteel (45 lb from 64 in.)

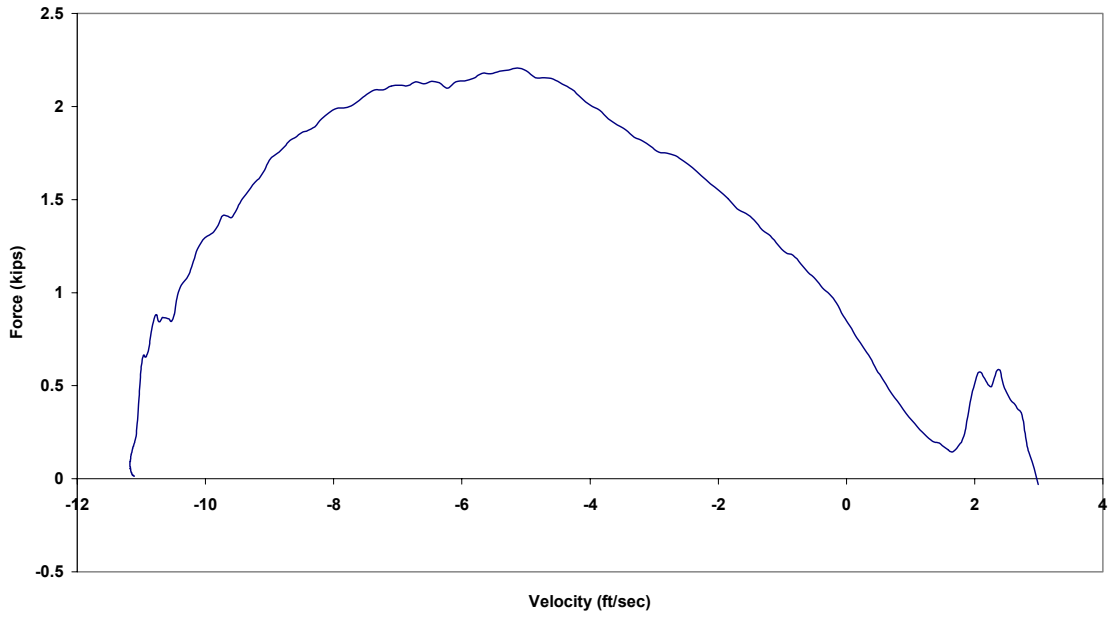


Figure B.46.3 Case 1FF: Force vs. Velocity

Case 1FF: Precycled 7 ft. 3/8 in. Amsteel (45 lb from 64 in.)

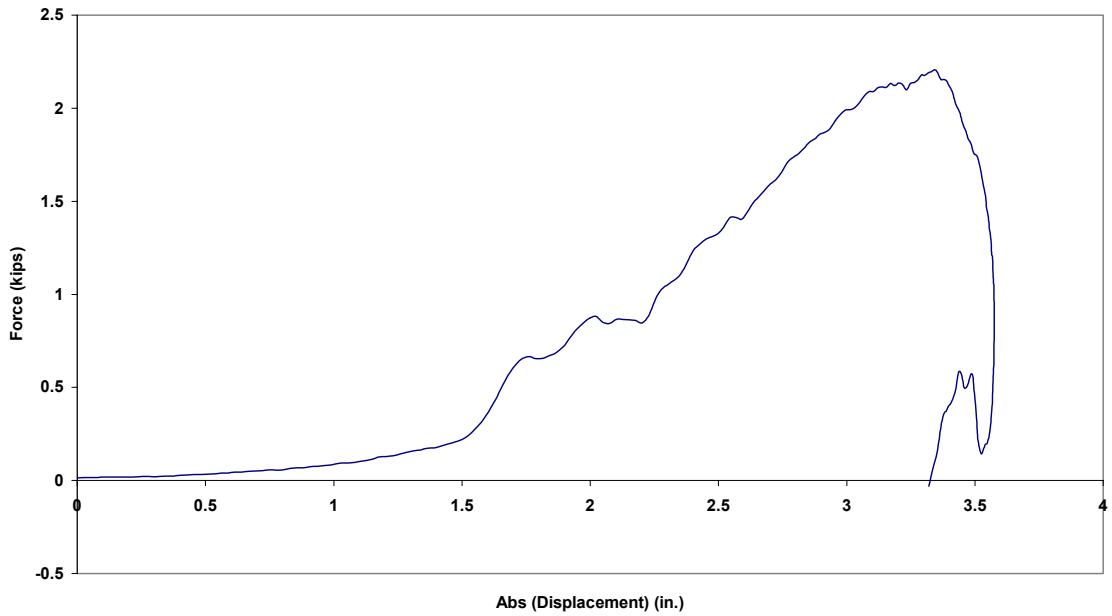


Figure B.46.4 Case 1FF: Force vs. Absolute Displacement



Case 2FF: Precycled 7 ft. 3/8 in. Amsteel (65 lb from 64 in.)

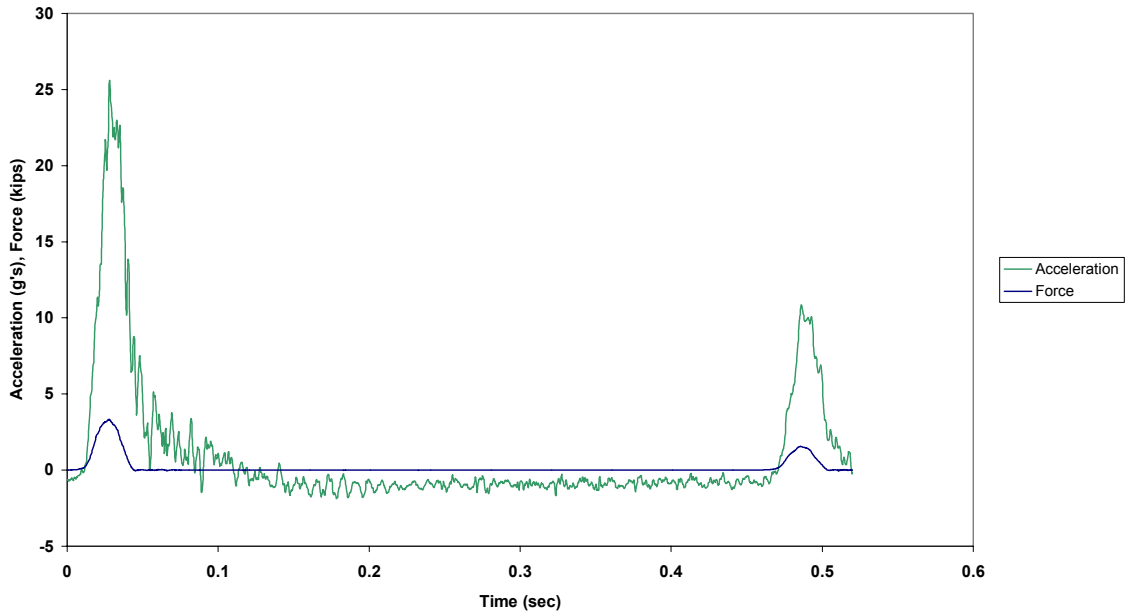


Figure B.47.1 Case 2FF: Force and Acceleration vs. Time

Case 2FF: Precycled 7 ft. 3/8 in. Amsteel (65 lb from 64 in.)

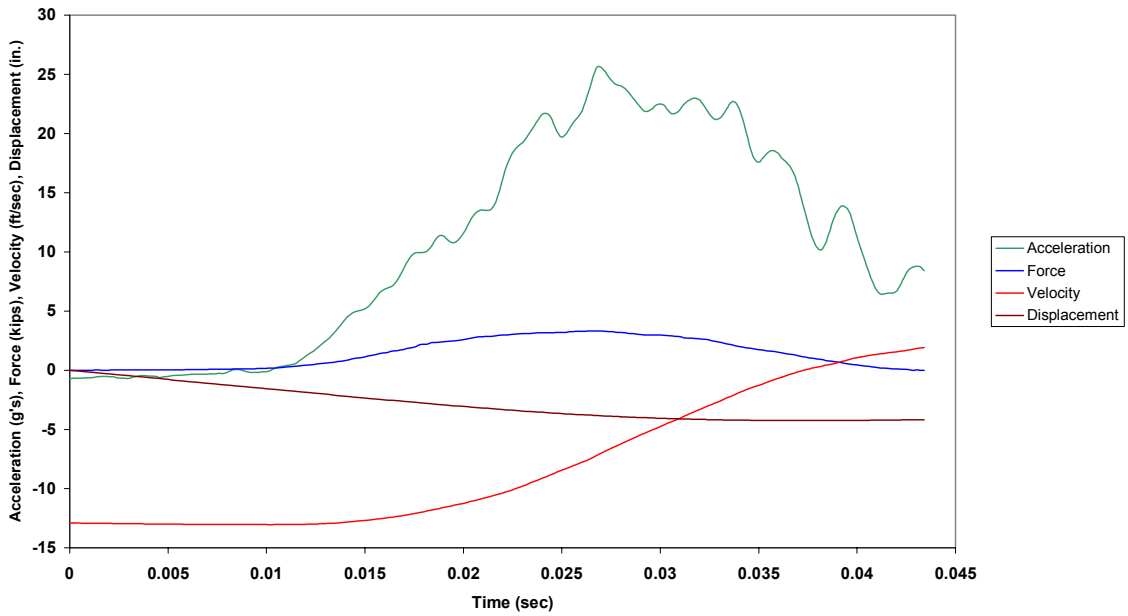


Figure B.47.2 Case 2FF: Combined Plot

Case 2FF: Precycled 7 ft. 3/8 in. Amsteel (65 lb from 64 in.)

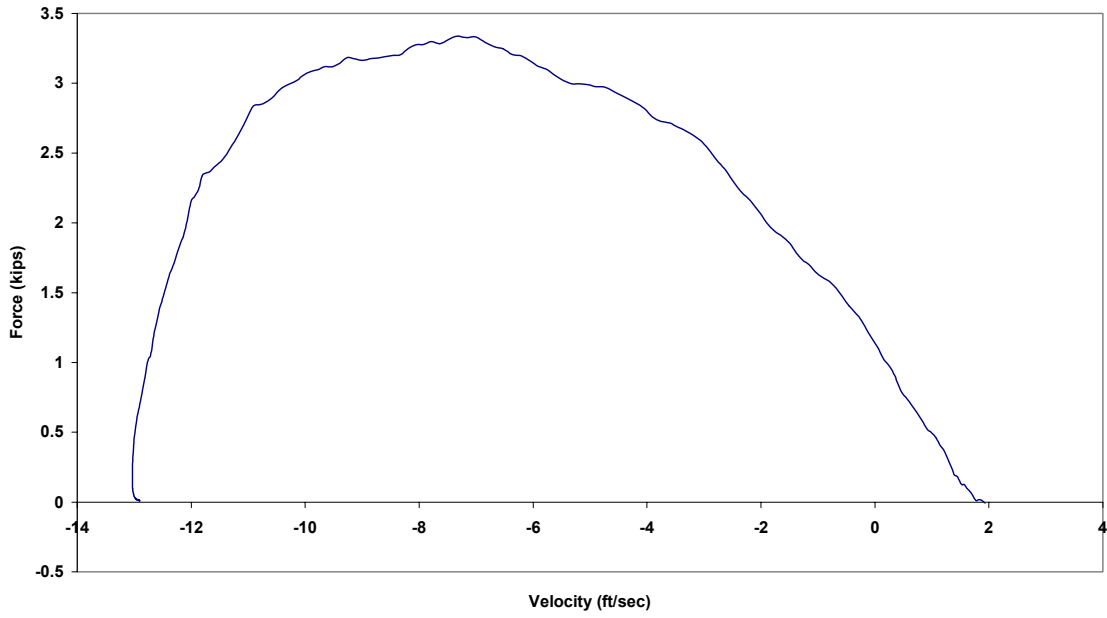


Figure B.47.3 Case 2FF: Force vs. Velocity

Case 2FF: Precycled 7 ft. 3/8 in. Amsteel (65 lb from 64 in.)

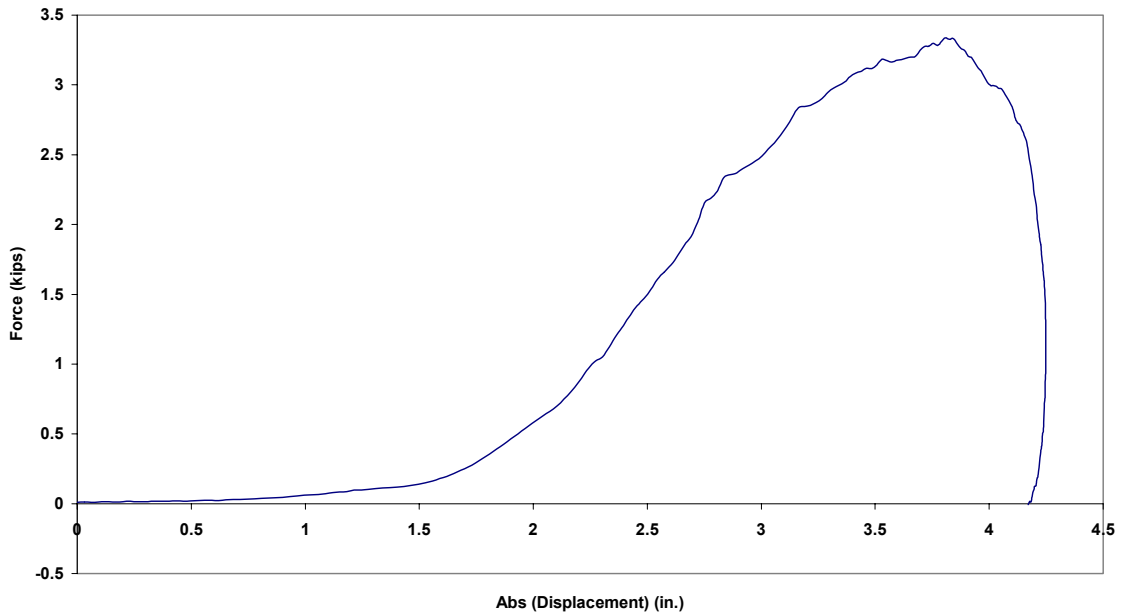


Figure B.47.4 Case 2FF: Force vs. Absolute Displacement

Case 3FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

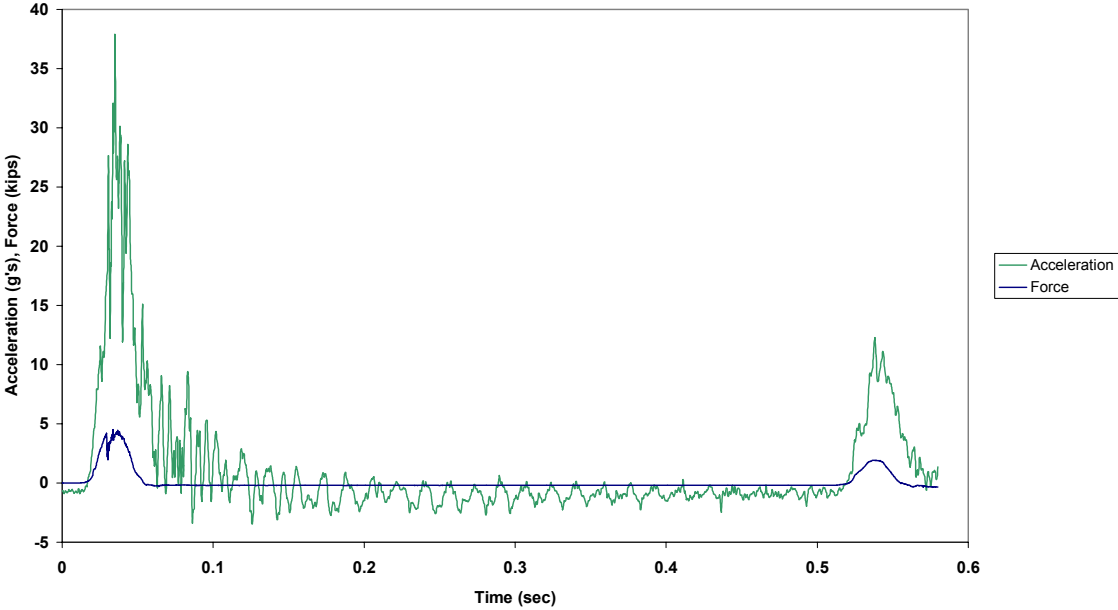


Figure B.48.1 Case 3FF: Force and Acceleration vs. Time

Case 3FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

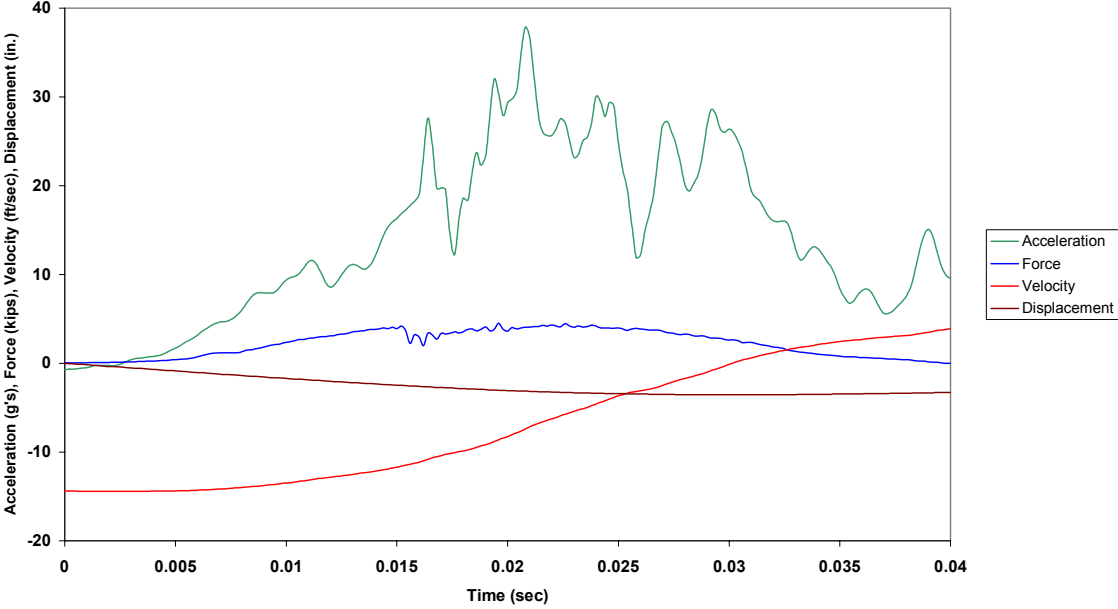


Figure B.48.2 Case 3FF: Combined Plot

Case 3FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

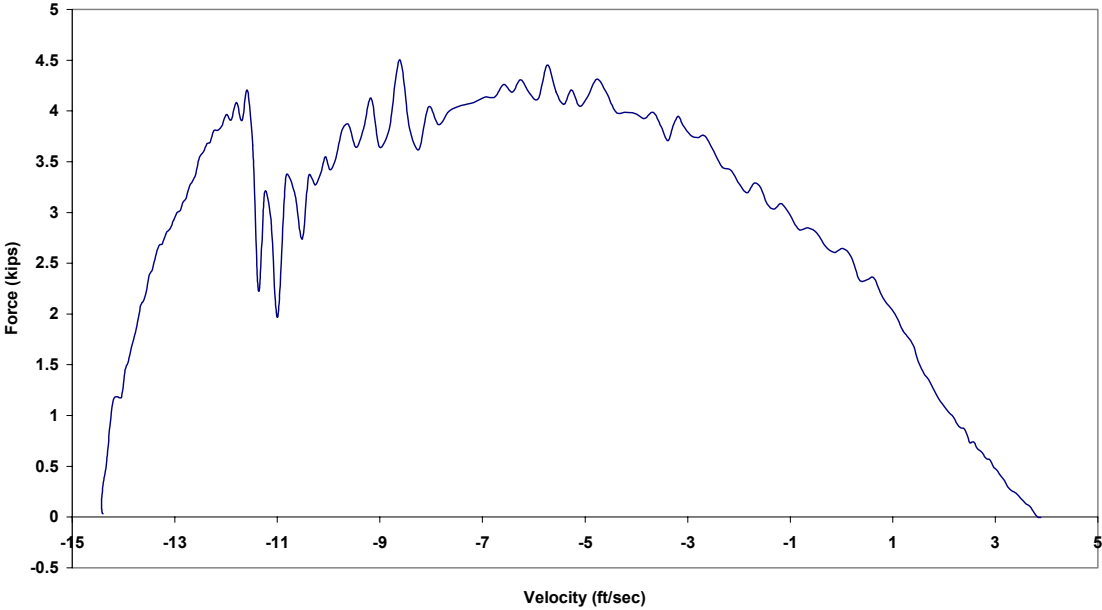


Figure B.48.3 Case 3FF: Force vs. Velocity

Case 3FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

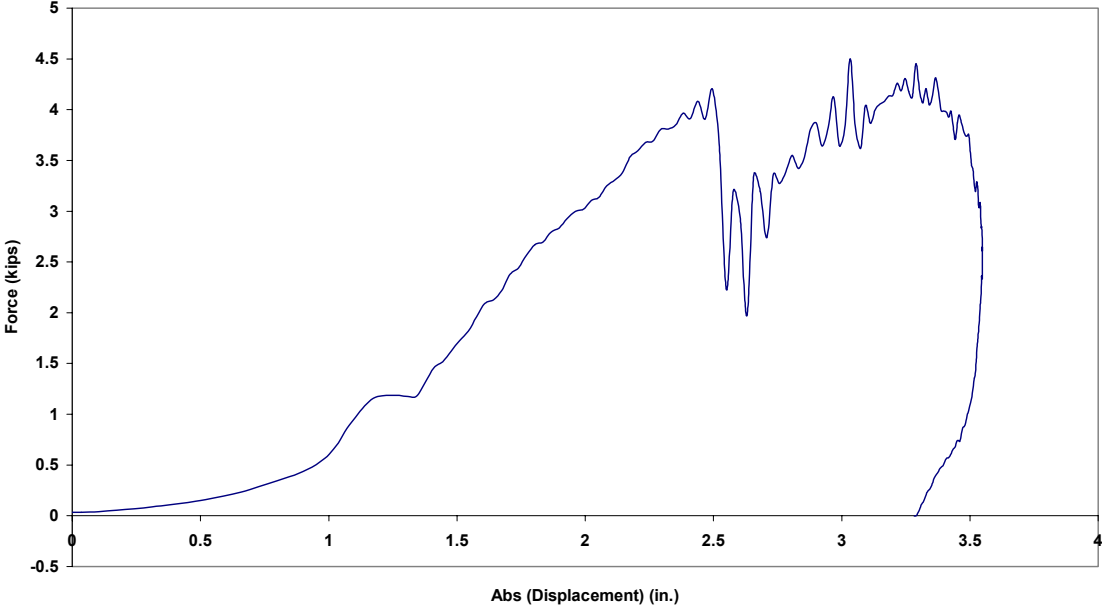


Figure B.48.4 Case 3FF: Force vs. Absolute Displacement

Case 4FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

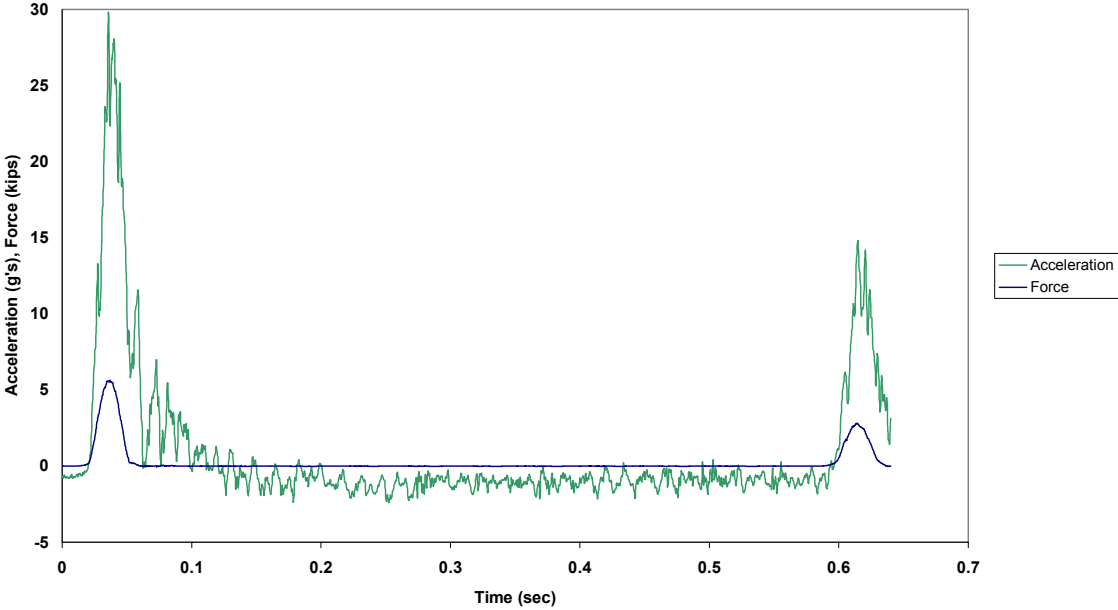


Figure B.49.1 Case 4FF: Force and Acceleration vs. Time

Case 4FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

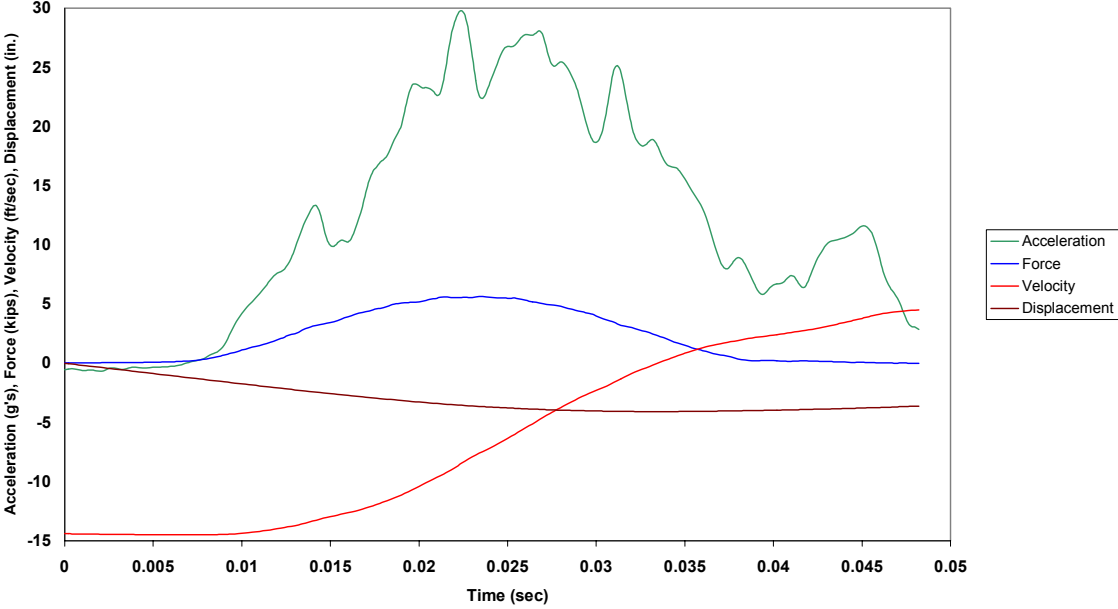


Figure B.49.2 Case 4FF: Combined Plot

Case 4FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

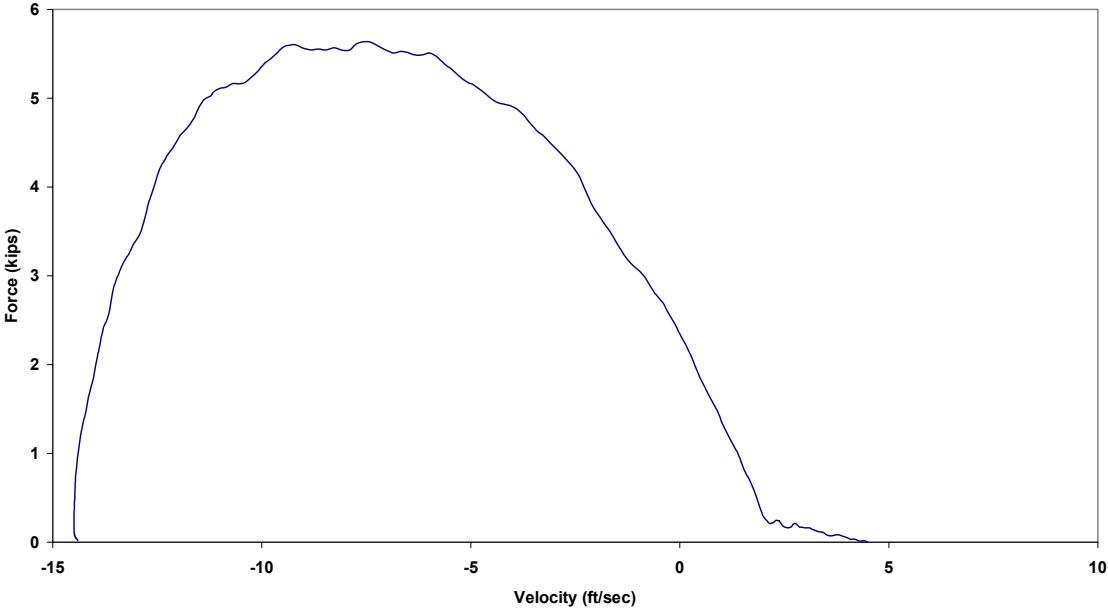


Figure B.49.3 Case 4FF: Force vs. Velocity

Case 4FF: Precycled 7 ft. 3/8 in. Amsteel (105 lb from 64 in.)

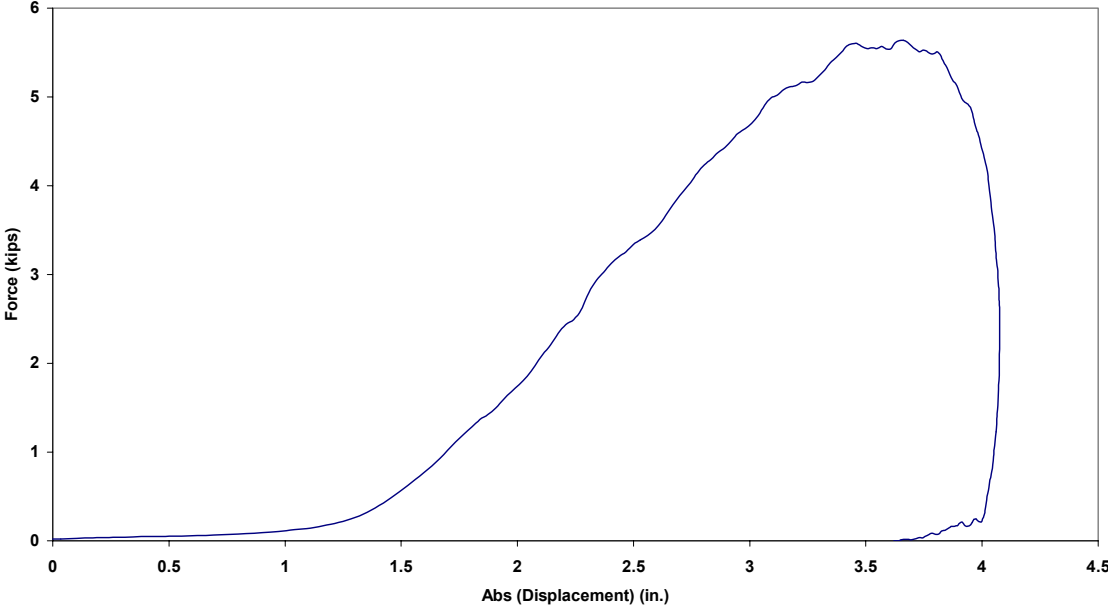


Figure B.49.4 Case 4FF: Force vs. Absolute Displacement

Case 5FF: Precycled 7 ft. Amsteel (105 lb from 64 in.)

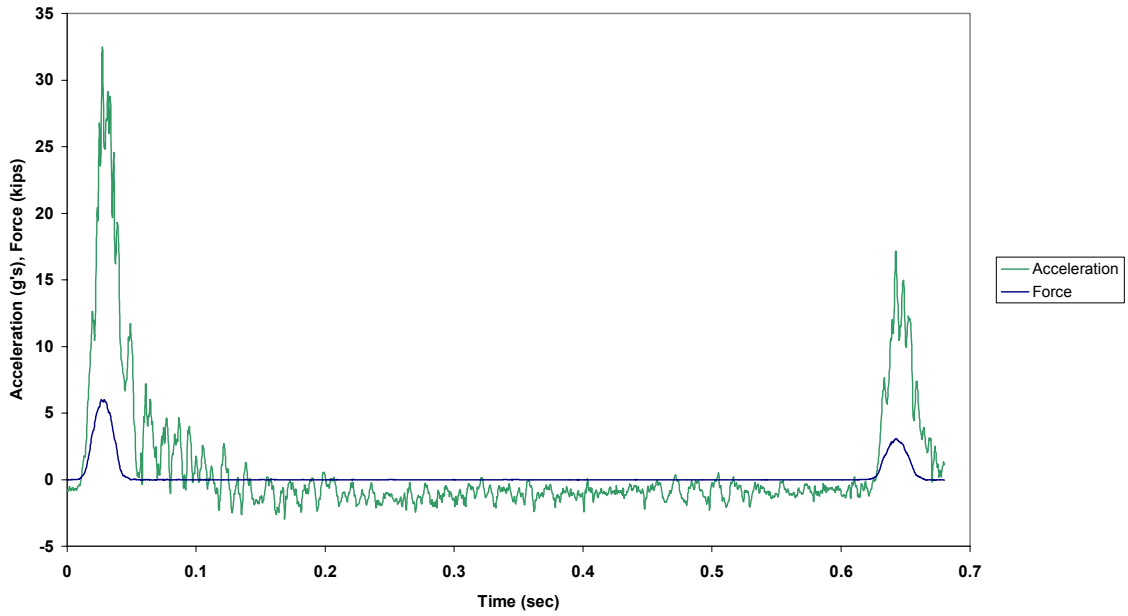


Figure B.50.1 Case 5FF: Force and Acceleration vs. Time

Case 5FF: Precycled 7 ft. Amsteel (105 lb from 64 in.)

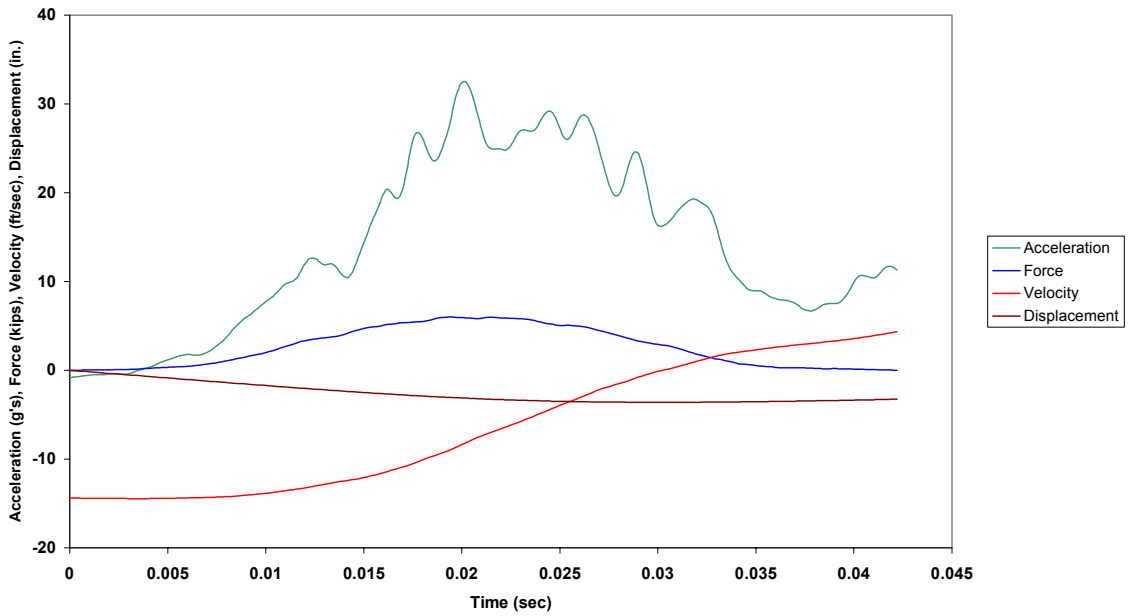


Figure B.50.2 Case 5FF: Combined Plot

Case 5FF: Precycled 7 ft. Amsteel (105 lb from 64 in.)

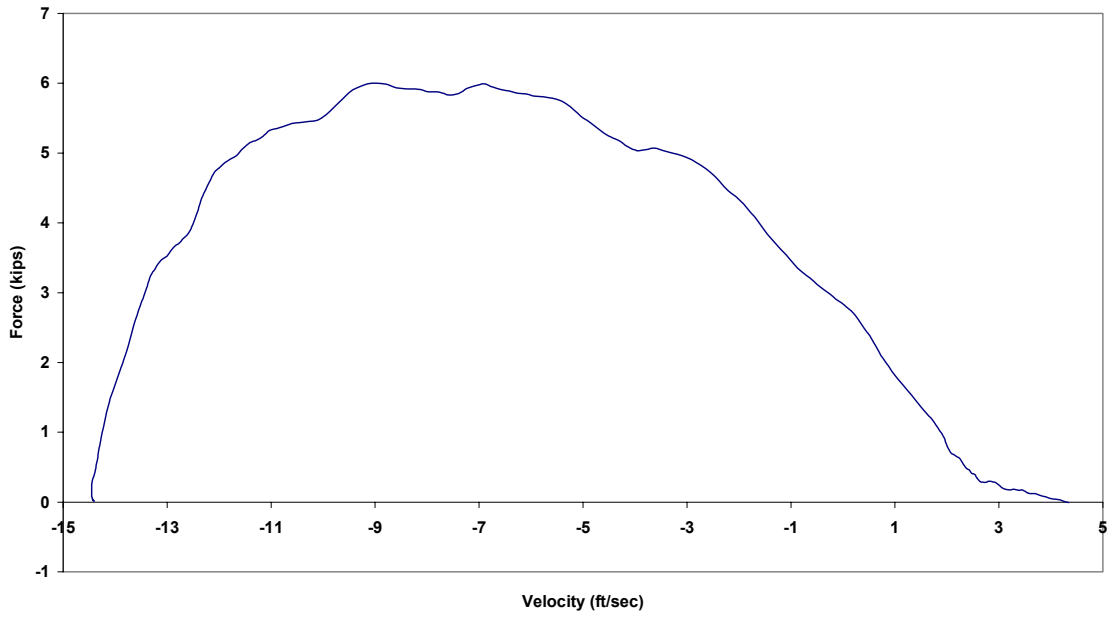


Figure B.50.3 Case 5FF: Force vs. Velocity

Case 5FF: Precycled 7 ft. Amsteel (105 lb from 64 in.)

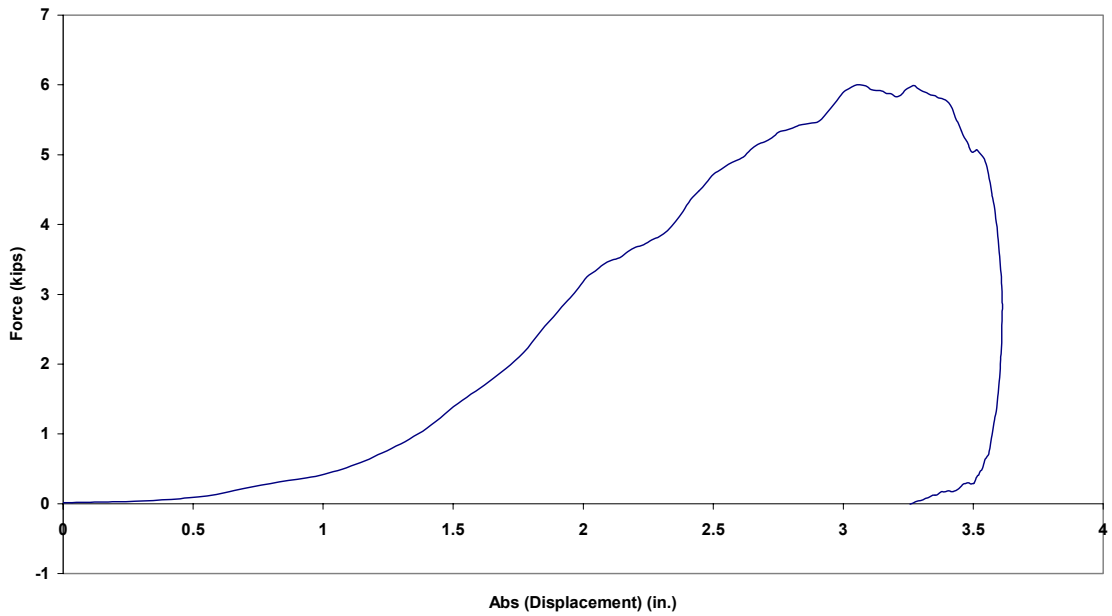


Figure B.50.4 Case 5FF: Force vs. Absolute Displacement



<b>1/2-inch Amsteel II (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1E	1	56	85
Test 2E	2	56	85
Test 3E	3	56	85
Test 4E	4	56	85
Test 5E	5	56	85
Test 6E	6	56	85
Test Sequence Two			
Test 7E	7	57	105
Test 8E	8	57	105
Test 9E	9	57	105
Test 10E	10	57	105
Test 11E	11	57	105

Table B.2.1 Test Sequence for 1/2 in. Amsteel II (Precycled)

<b>1/2-inch Amsteel II (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1F	1	56	85
Test 2F	2	56	85
Test 3F	3	56	85
Test 4F	4	56	85
Test 5F	5	56	85
Test 6F	6	56	85
Test Sequence Two			
Test 7F	7	57	105
Test 8F	8	57	105
Test 9F	9	57	105
Test 10F	10	57	105
Test Sequence Three			
Test 11F	11	56	115
Test 12F	12	56	115
Test 13F	13	56	115
Test 14F	14	56	105
Test 15F	15	56	85
Test 16F	16	56	65
Test 17F	17	56	45

Table B.2.2 Test Sequence for 1/2 in. Amsteel II (New)

<b>3/8-inch Amsteel II (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1G	1	97	65
Test 2G	2	91	65
Test 3G	3	85	65
Test 4G	4	79	65
Test 5G	5	73	65
Test 6G	6	67	65
Test Sequence Two			
Test 7G	7	57	85
Test 8G	8	63	85
Test 9G	9	69	85

Table B.2.3 Test Sequence for 3/8 in. Amsteel II (Precycled)

<b>3/8-inch Amsteel II (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1H	1	97	65
Test 2H	2	91	65
Test 3H	3	85	65
Test 4H	4	79	65
Test 5H	5	73	65
Test 6H	6	67	65
Test Sequence Two			
Test 7H	7	57	85
Test 8H	8	63	85
Test 9H	9	69	85

Table B.2.4 Test Sequence for 3/8 in. Amsteel II (New)

Case 1E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

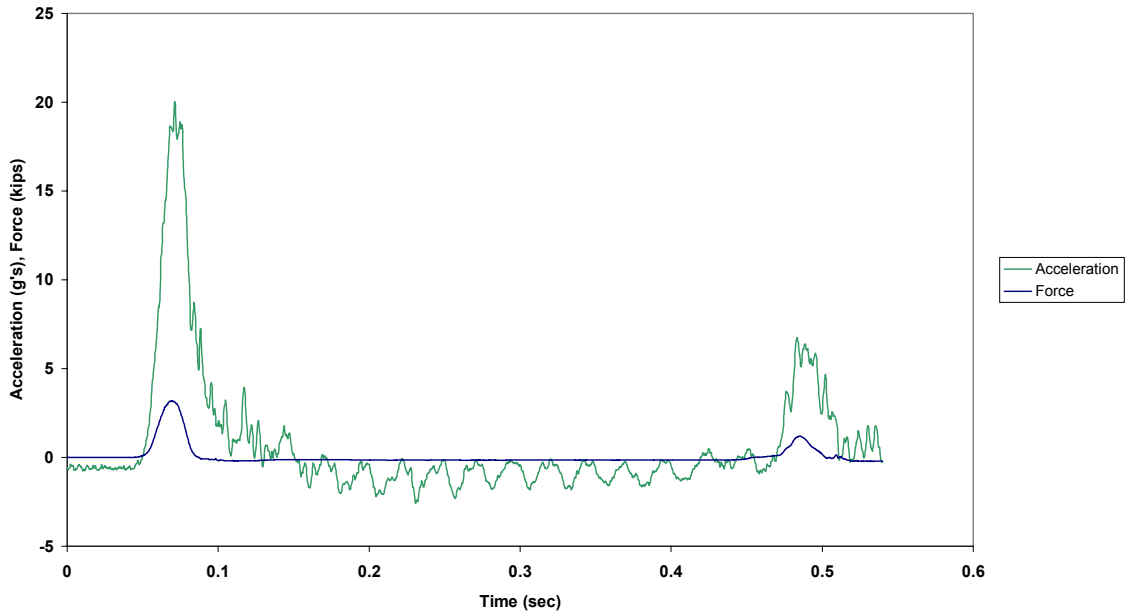


Figure B.51.1 Case 1E: Force and Acceleration vs. Time

Case 1E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

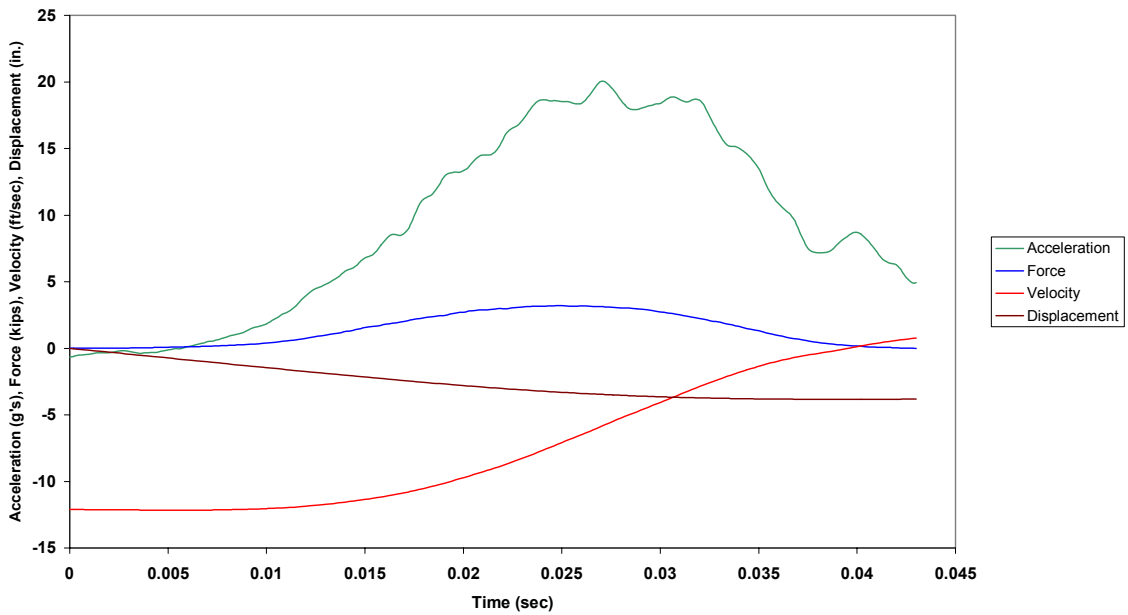


Figure B.51.2 Case 1E: Combined Plot

Case 1E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

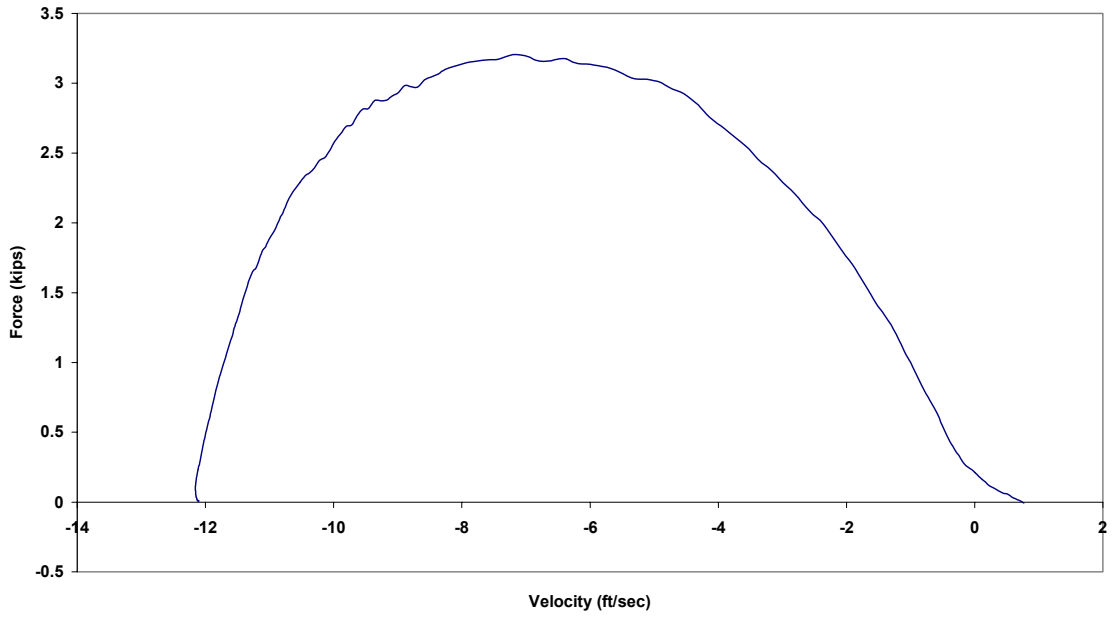


Figure B.51.3 Case 1E: Force vs. Velocity

Case 1E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

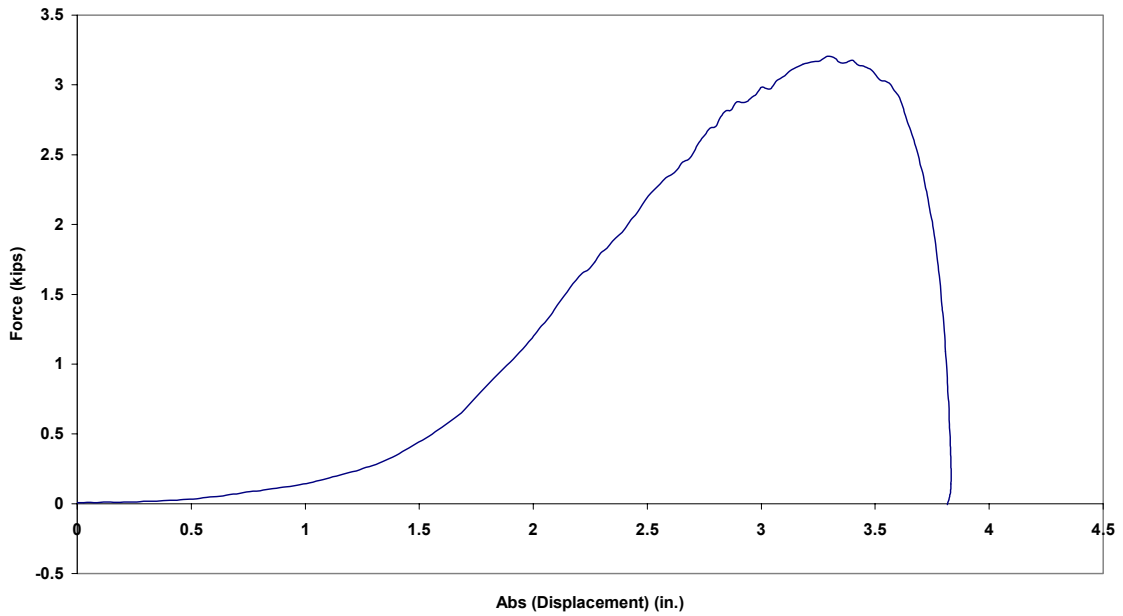


Figure B.51.4 Case 1E: Force vs. Absolute Displacement

Case 2E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

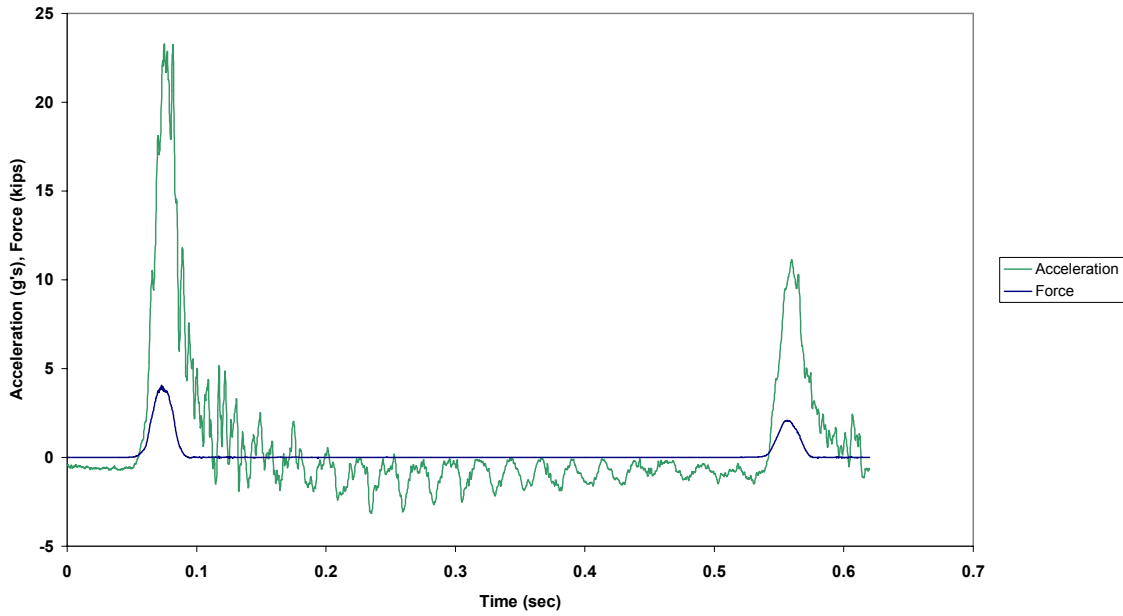


Figure B.52.1 Case 2E: Force and Acceleration vs. Time

Case 2E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

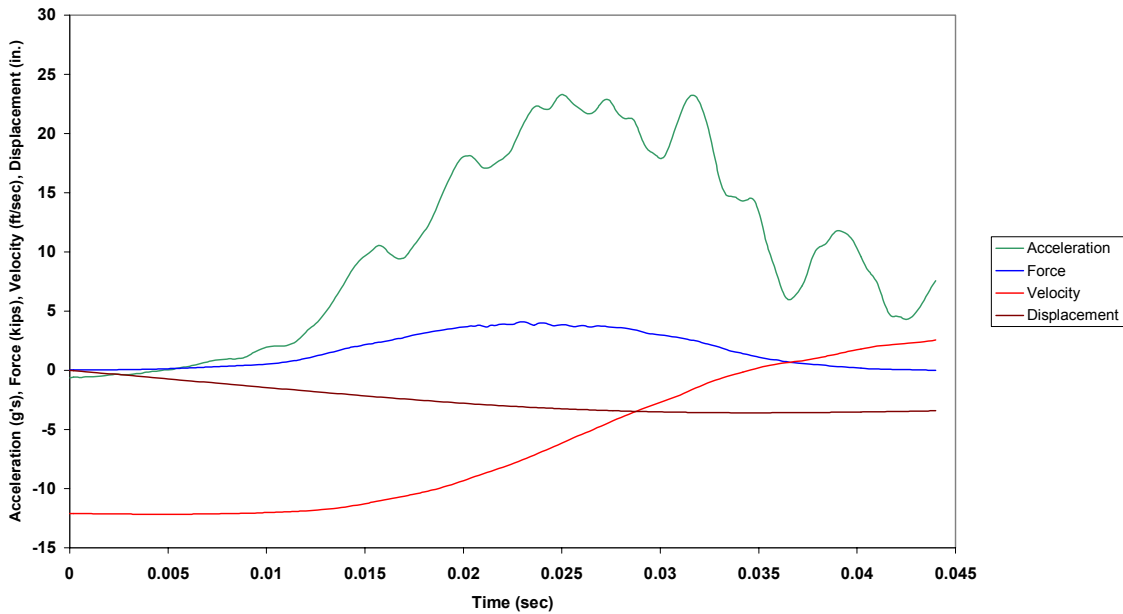


Figure B.52.2 Case 2E: Combined Plot

Case 2E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

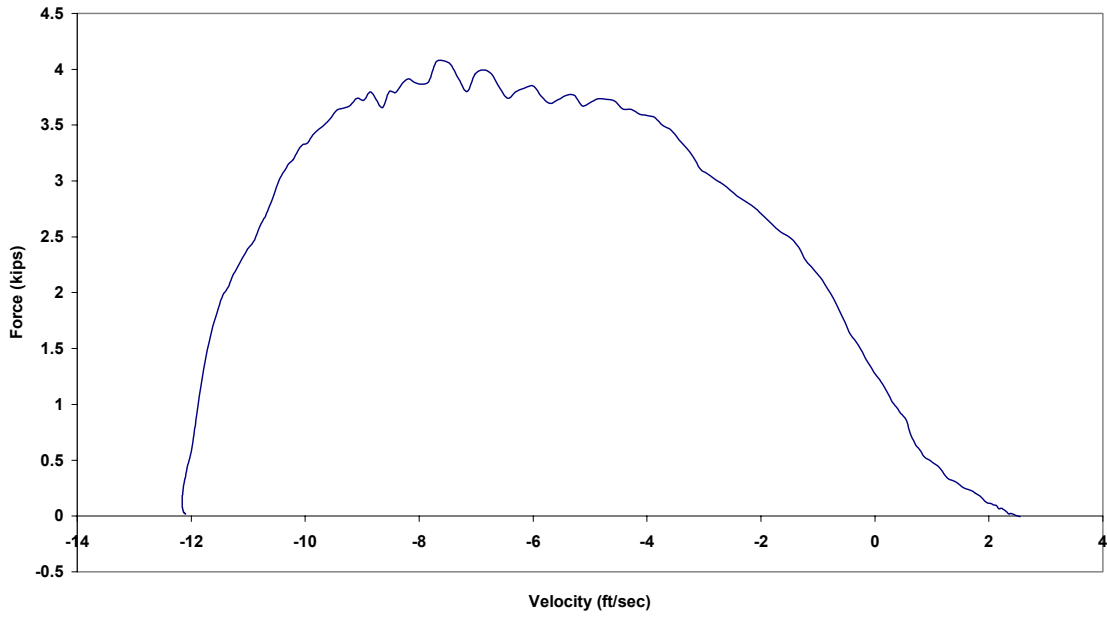


Figure B.52.3 Case 2E: Force vs. Velocity

Case 2E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

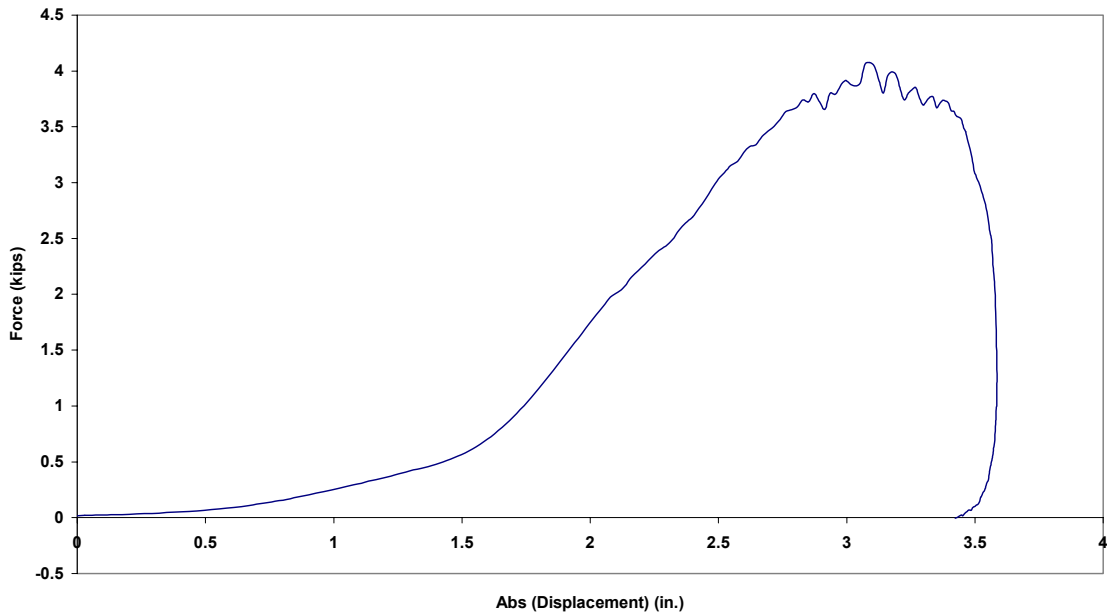


Figure B.52.4 Case 2E: Force vs. Absolute Displacement

Case 3E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

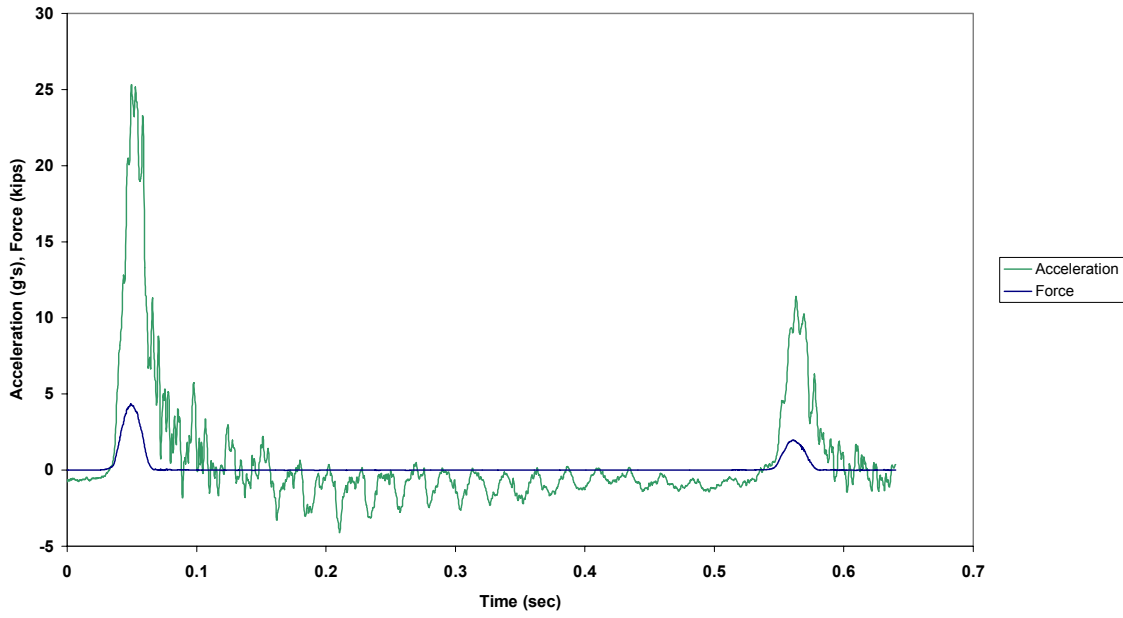


Figure B.53.1 Case 3E: Force and Acceleration vs. Time

Case 3E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

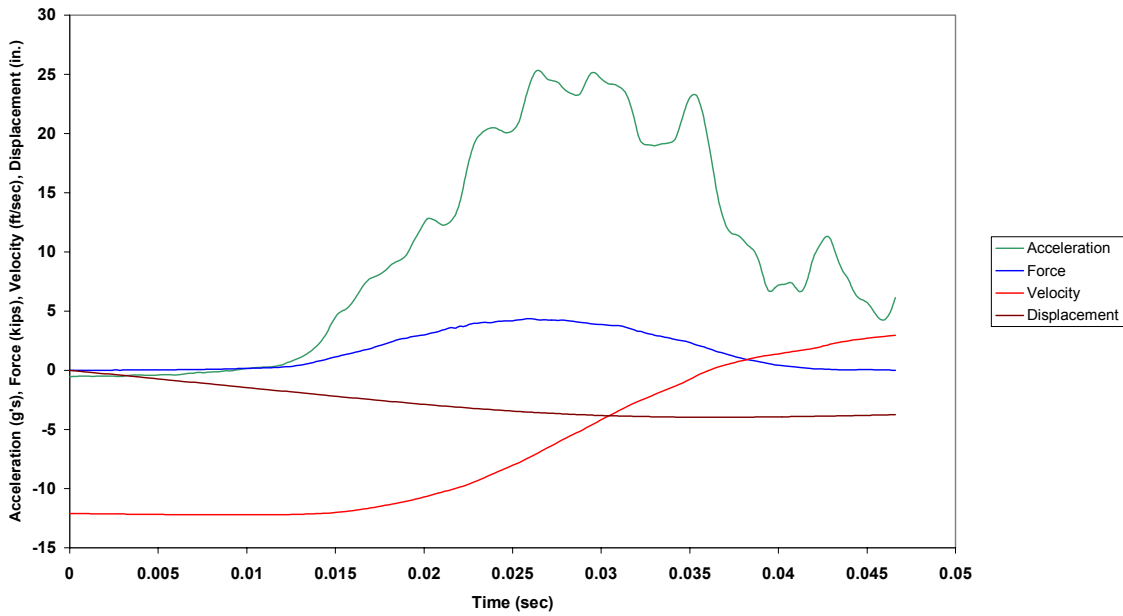


Figure B.53.2 Case 3E: Combined Plot

Case 3E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

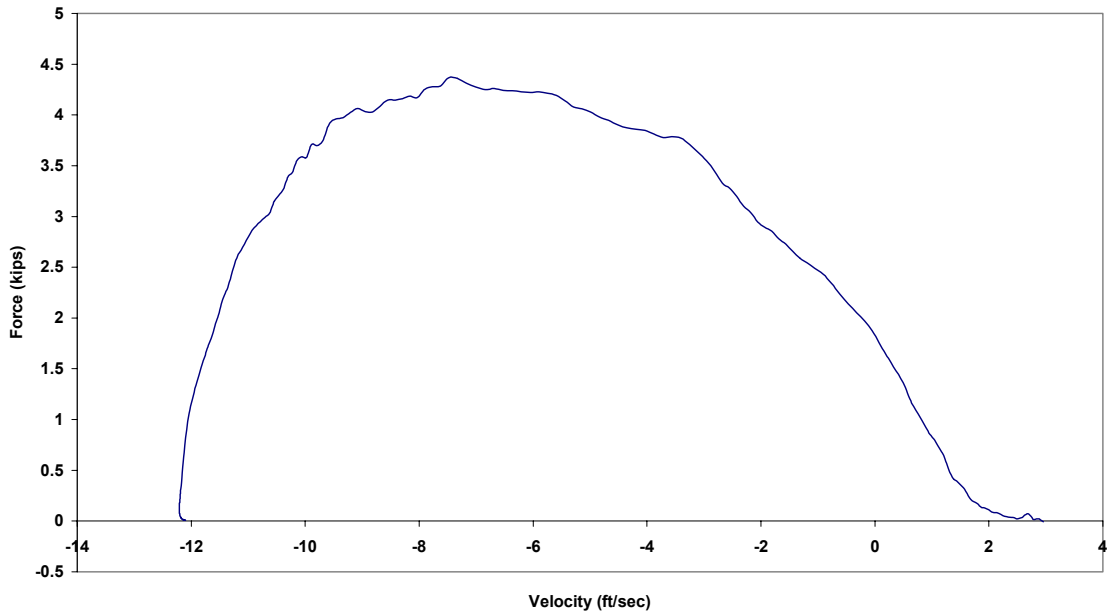


Figure B.53.3 Case 3E: Force vs. Velocity

Case 3E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

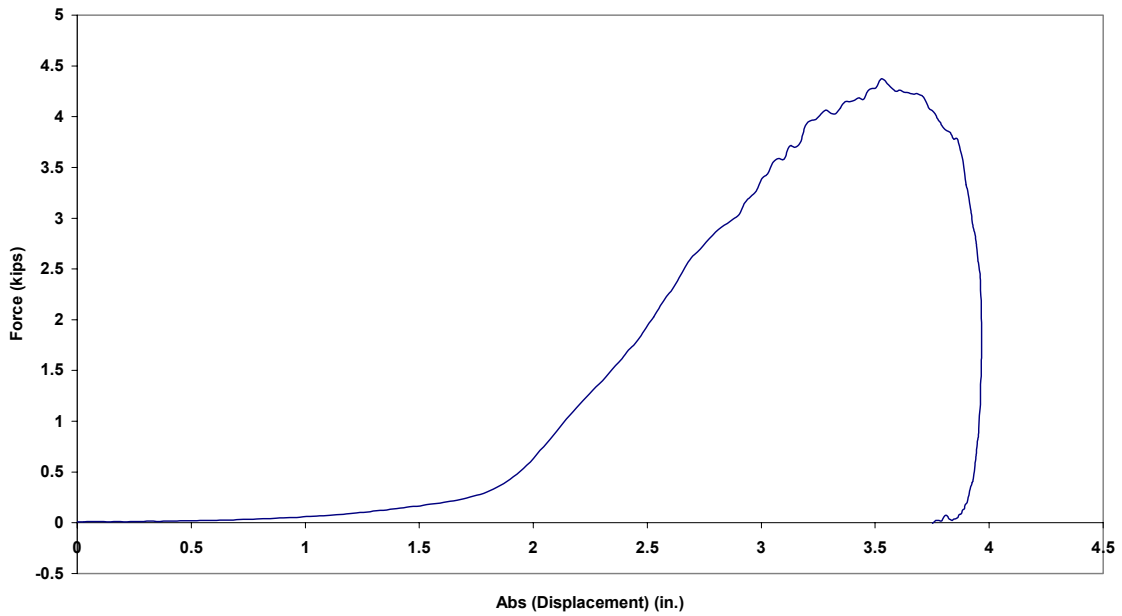


Figure B.53.4 Case 3E: Force vs. Absolute Displacement



Case 4E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

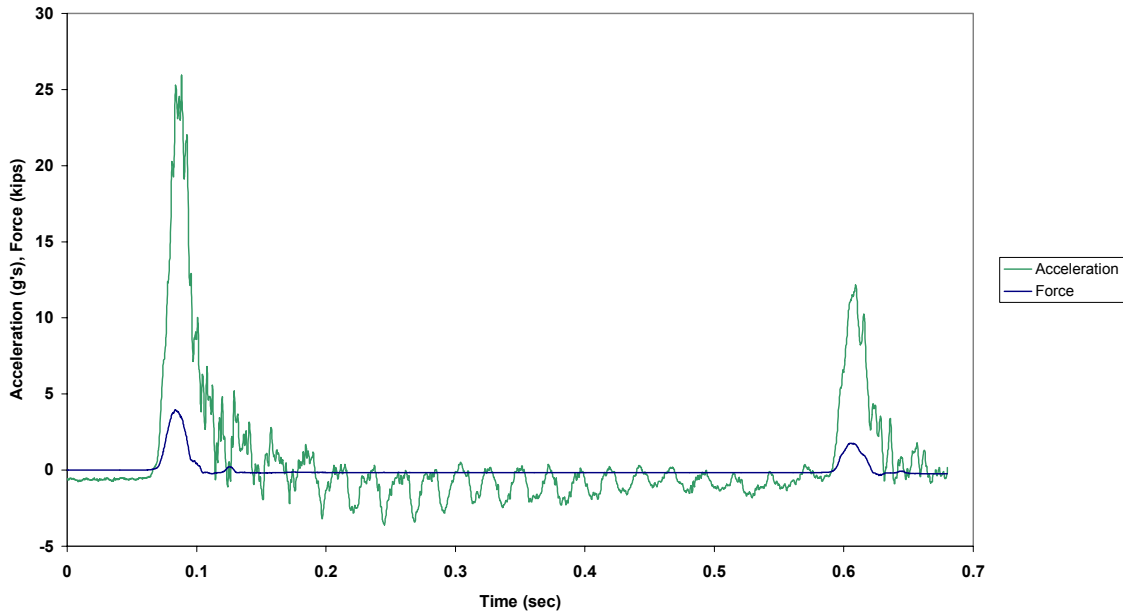


Figure B.54.1 Case 4E: Force and Acceleration vs. Time

Case 4E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

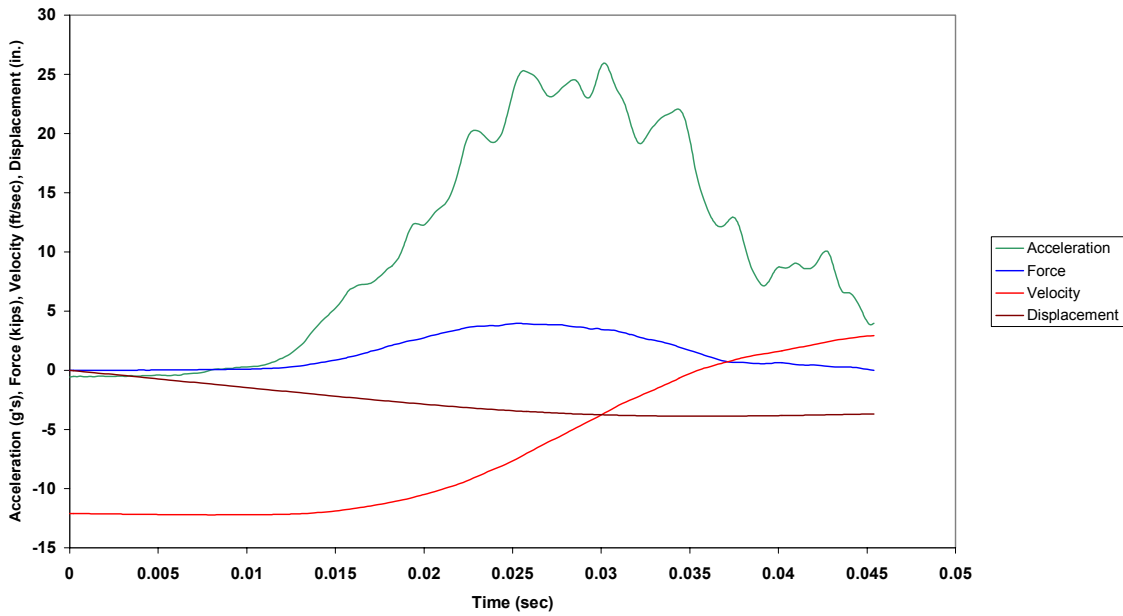


Figure B.54.2 Case 4E: Combined Plot

Case 4E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

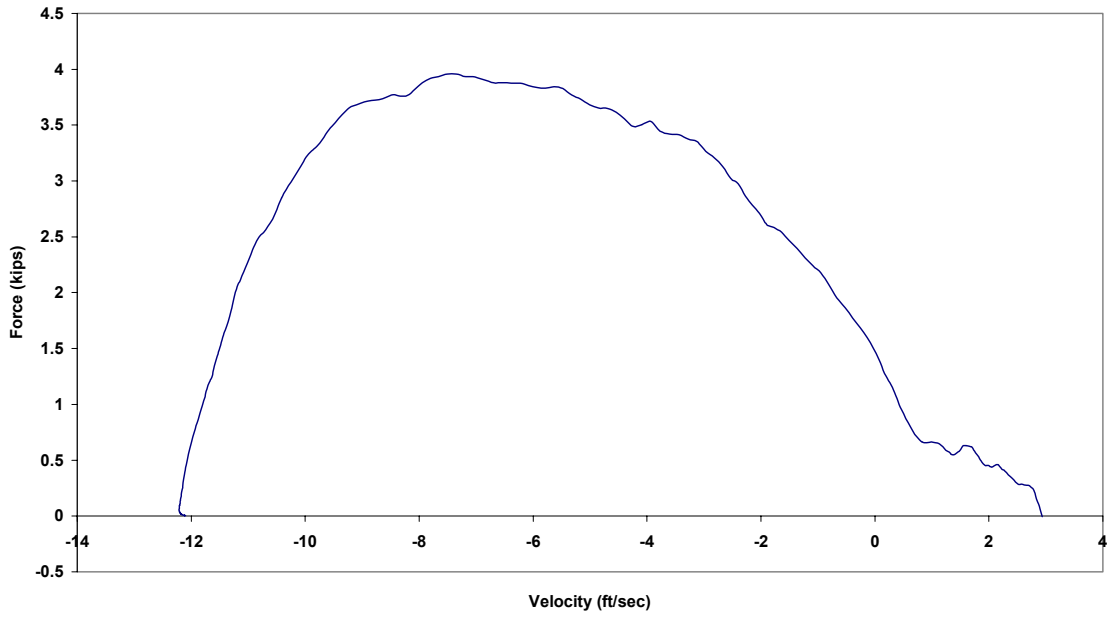


Figure B.54.3 Case 4E: Force vs. Velocity

Case 4E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

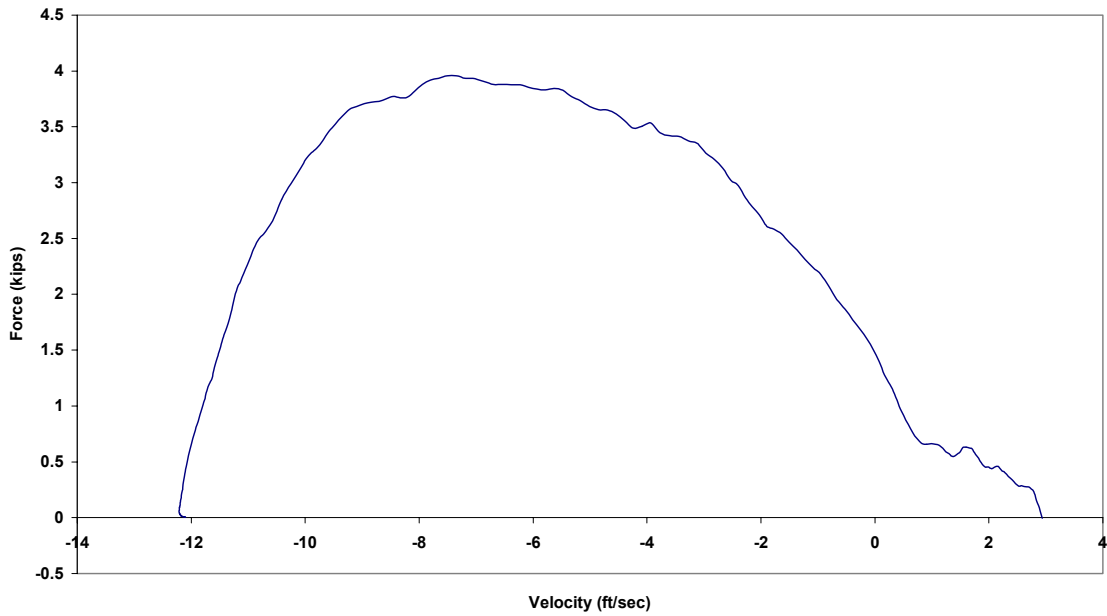


Figure B.54.4 Case 4E: Force vs. Absolute Displacement

Case 5E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

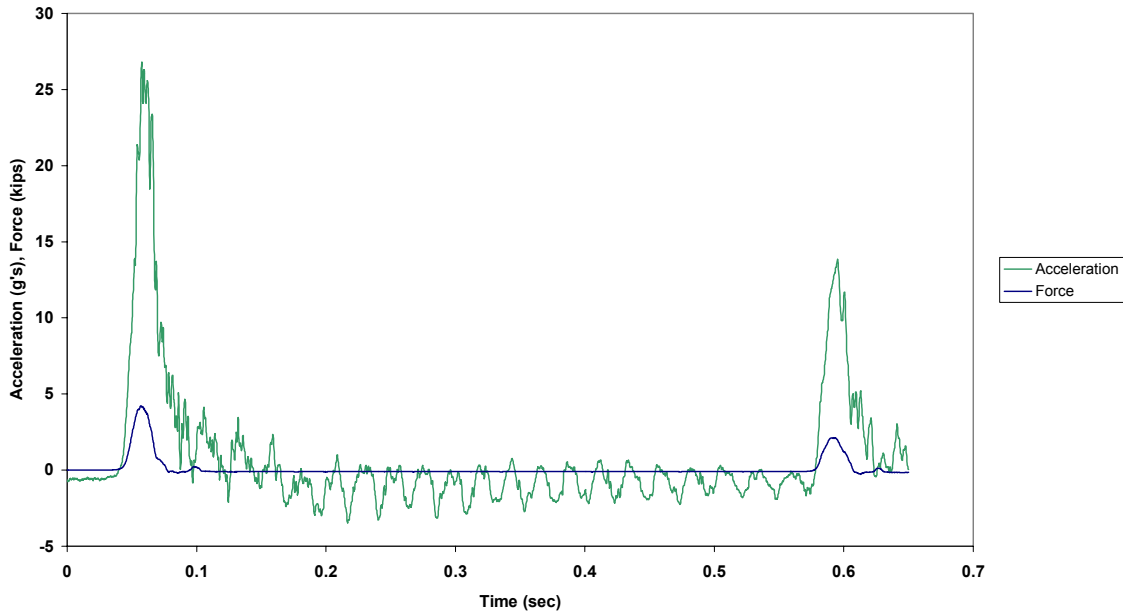


Figure B.55.1 Case 5E: Force and Acceleration vs. Time

Case 5E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

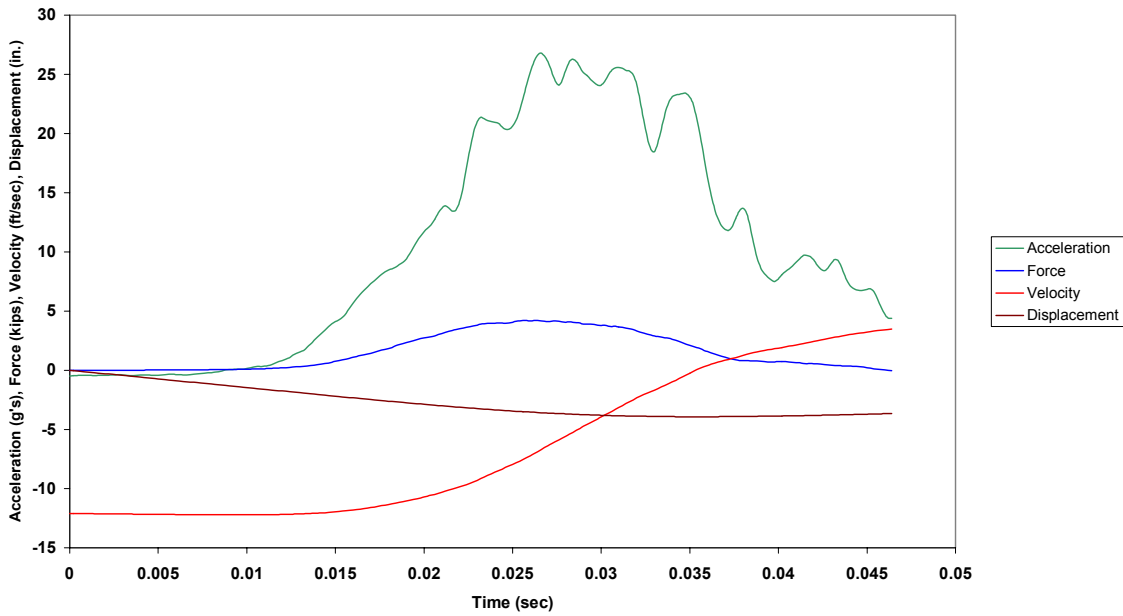


Figure B.55.2 Case 5E: Combined Plot

Case 5E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

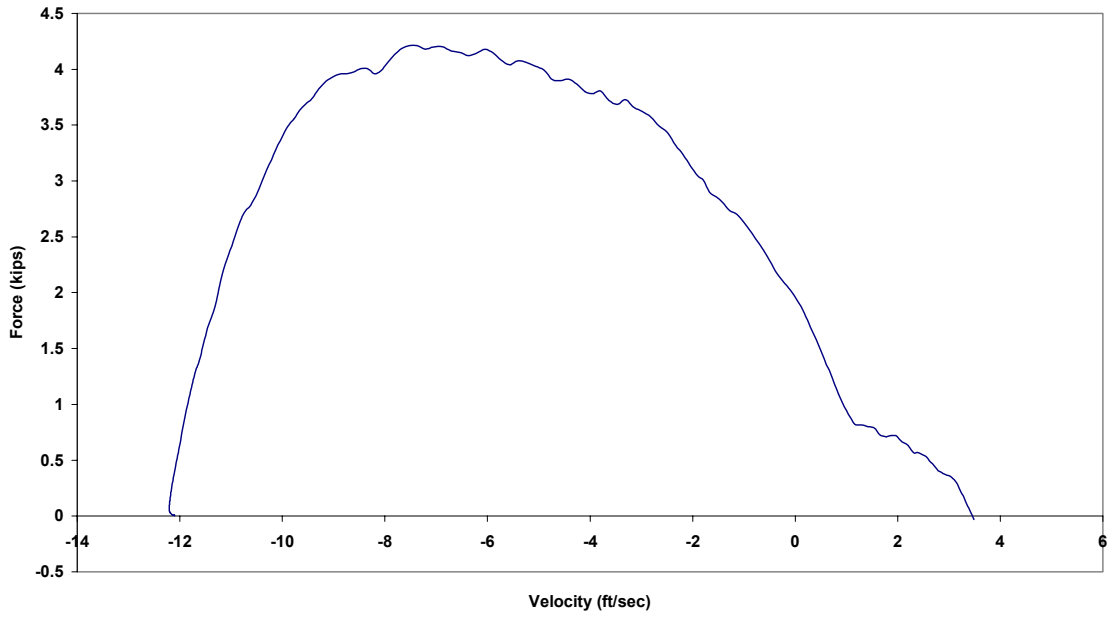


Figure B.55.3 Case 5E: Force vs. Velocity

Case 5E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

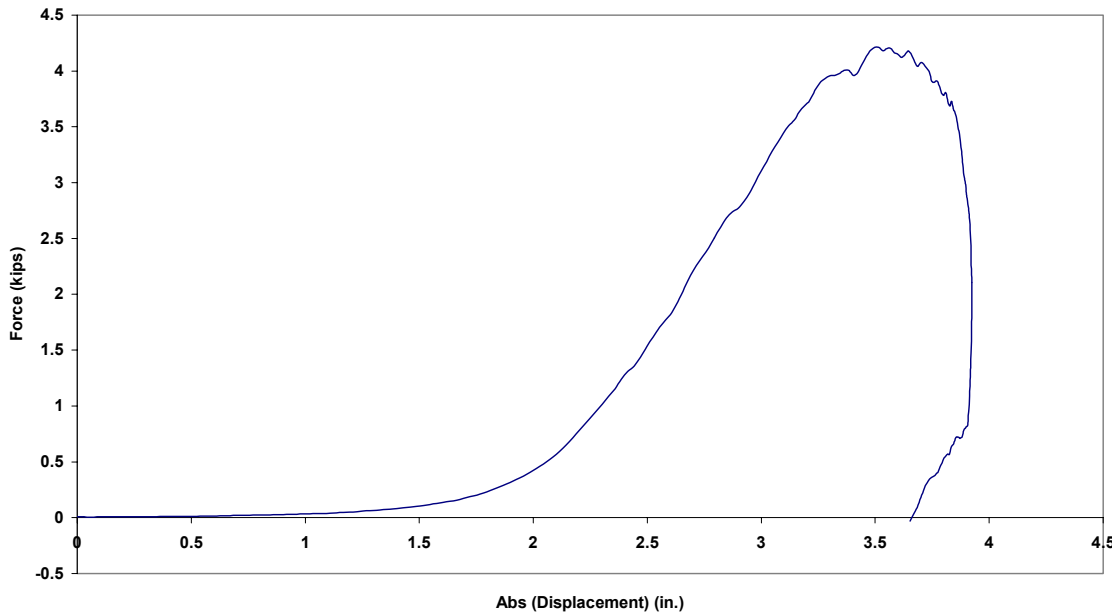


Figure B.55.4 Case 5E: Force vs. Absolute Displacement

Case 6E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

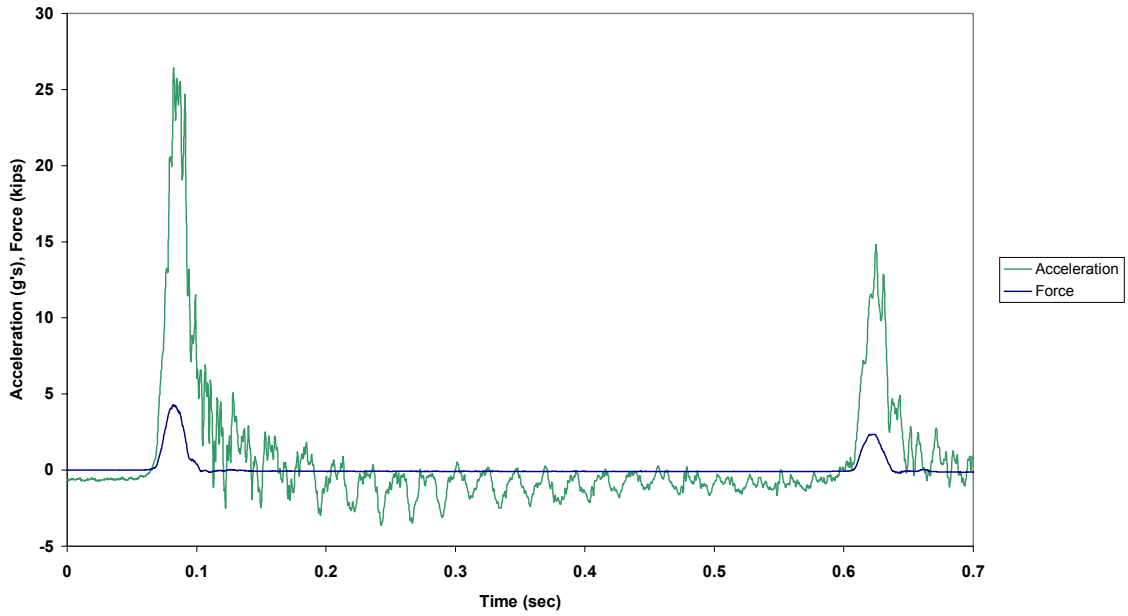


Figure B.56.1 Case 6E: Force and Acceleration vs. Time

Case 6E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

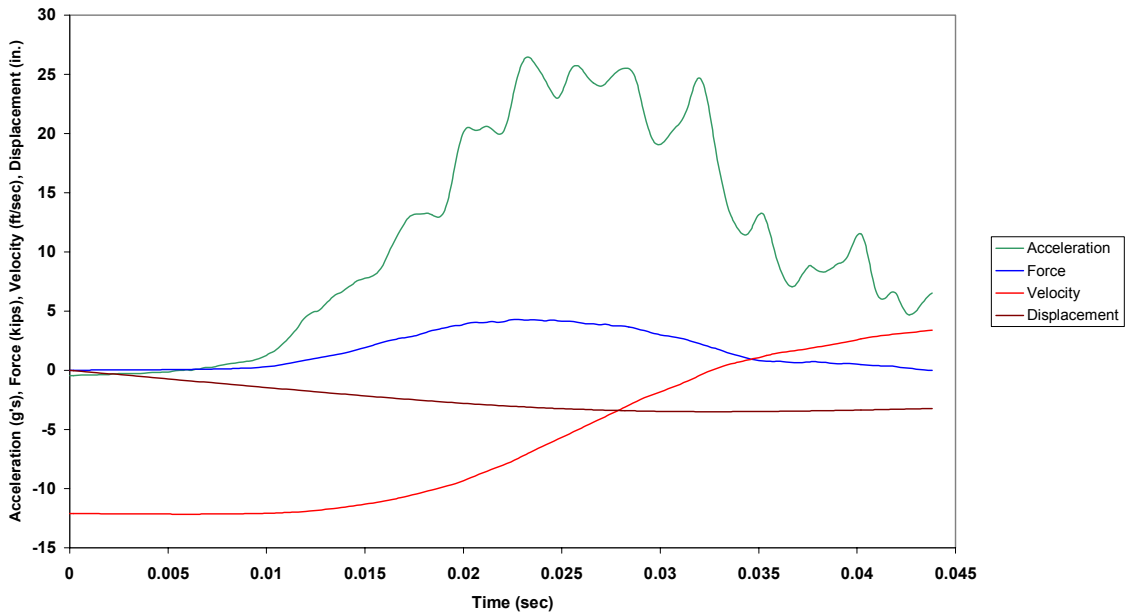


Figure B.56.2 Case 6E: Combined Plot

Case 6E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

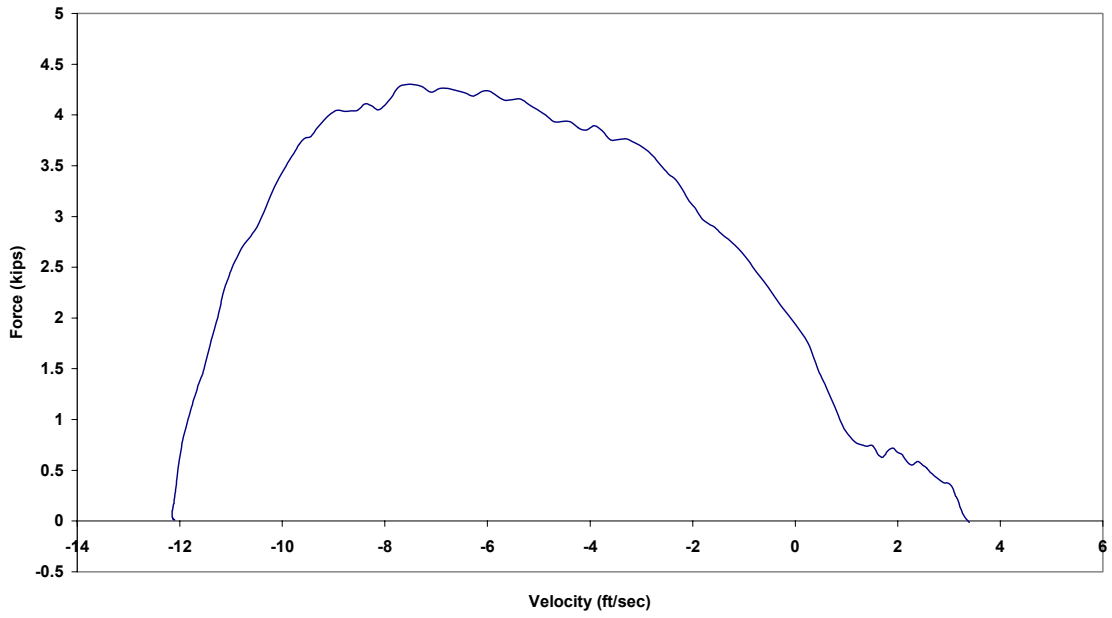


Figure B.56.3 Case 6E: Force vs. Velocity

Case 6E: Precycled 1/2 in. Amsteel II (85 lb from 56 in.)

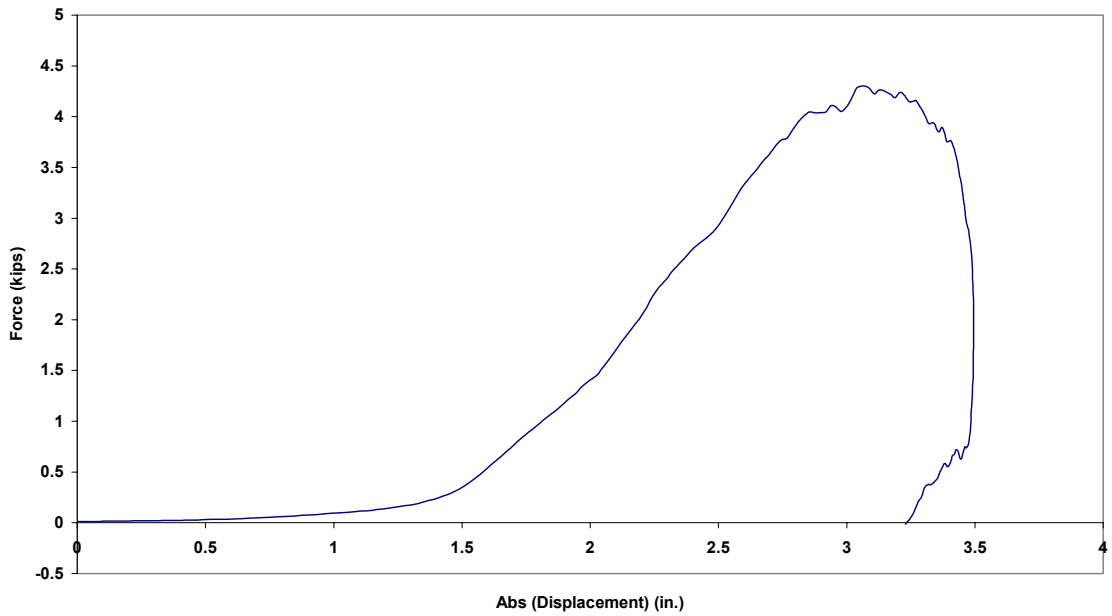


Figure B.56.4 Case 6E: Force vs. Absolute Displacement

Case 7E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

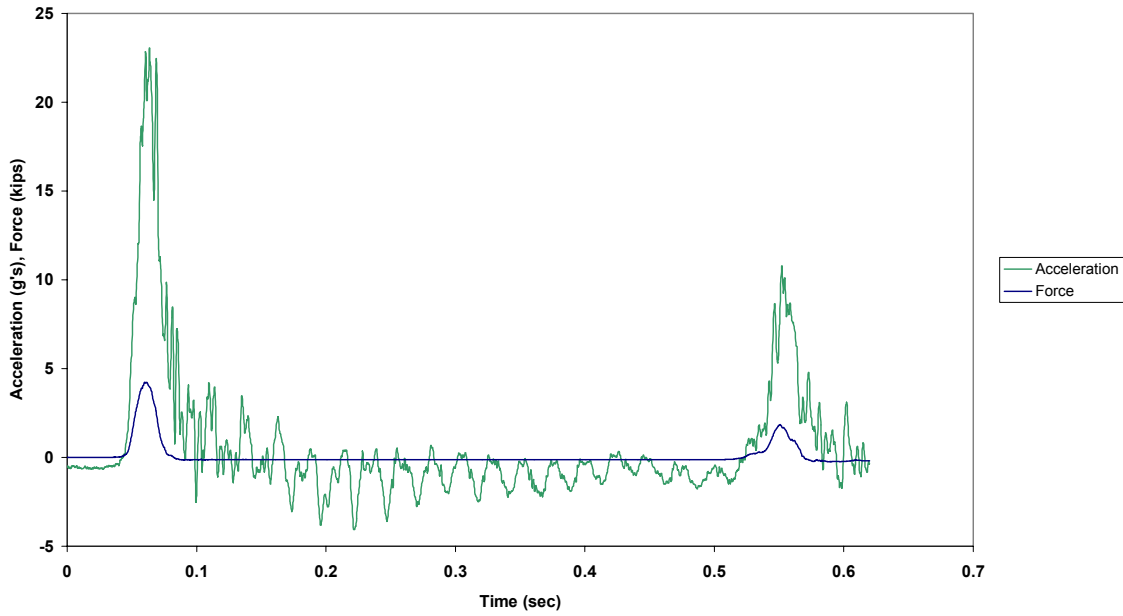


Figure B.57.1 Case 7E: Force and Acceleration vs. Time

Case 7E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

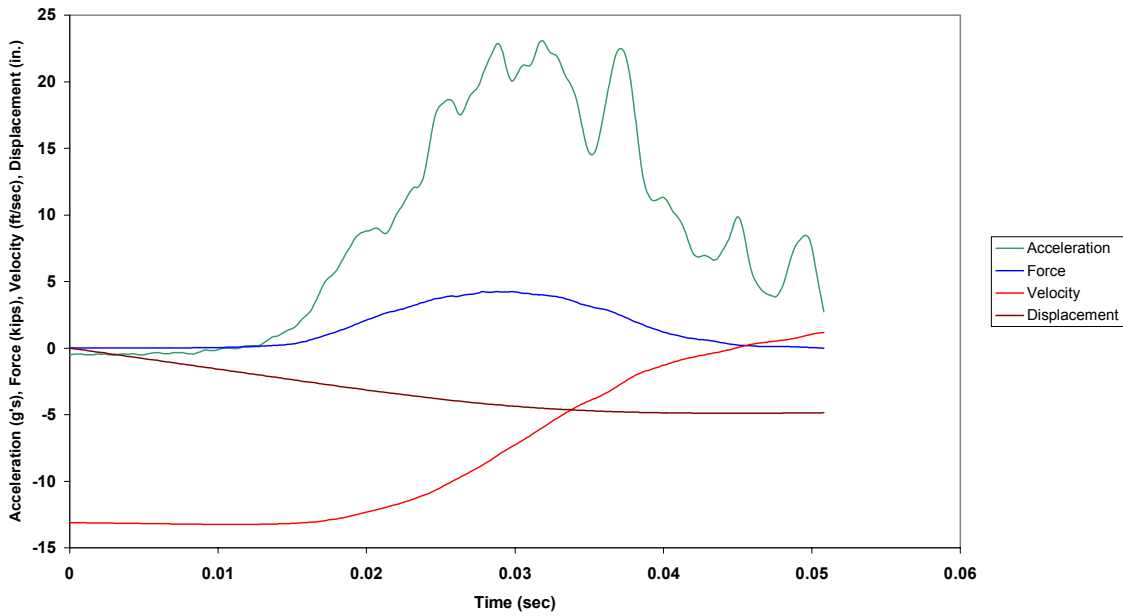


Figure B.57.2 Case 7E: Combined Plot

Case 7E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

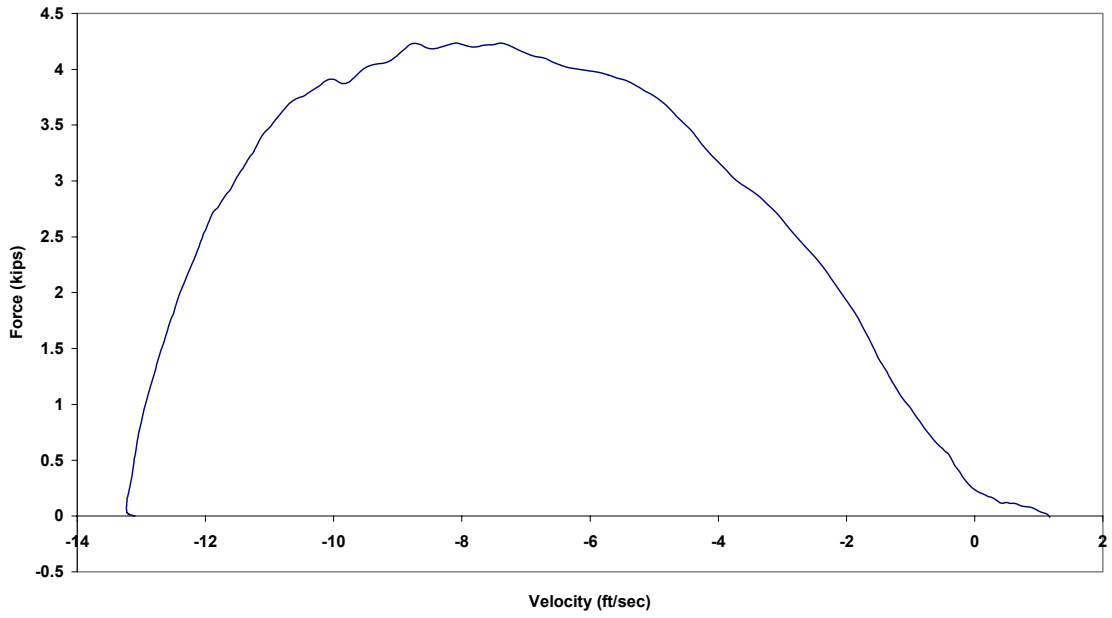


Figure B.57.3 Case 7E: Force vs. Velocity

Case 7E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

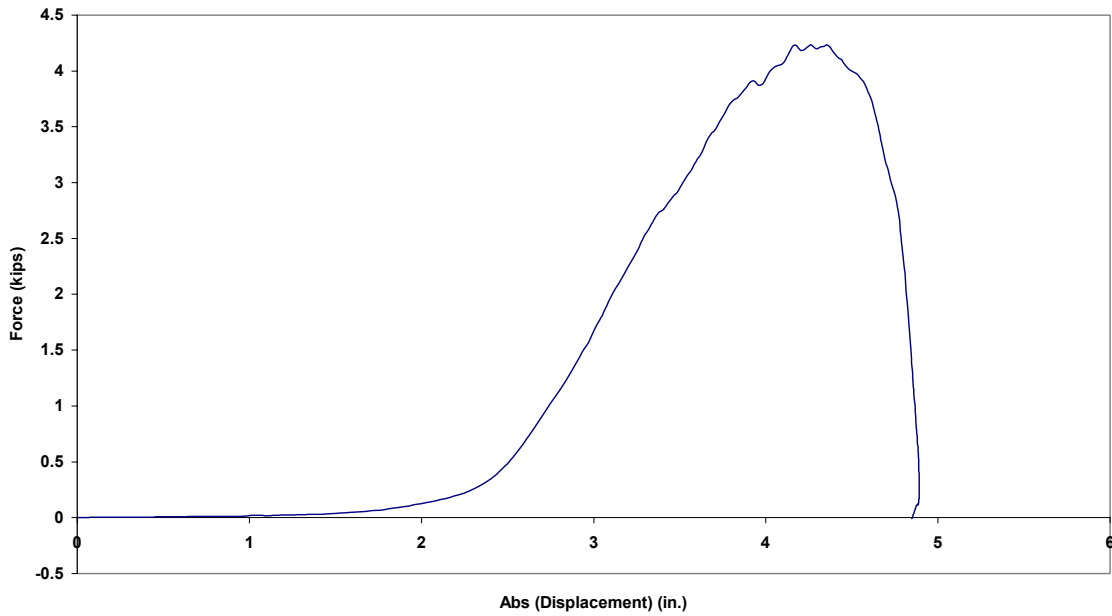


Figure B.57.4 Case 7E: Force vs. Absolute Displacement



Case 8E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

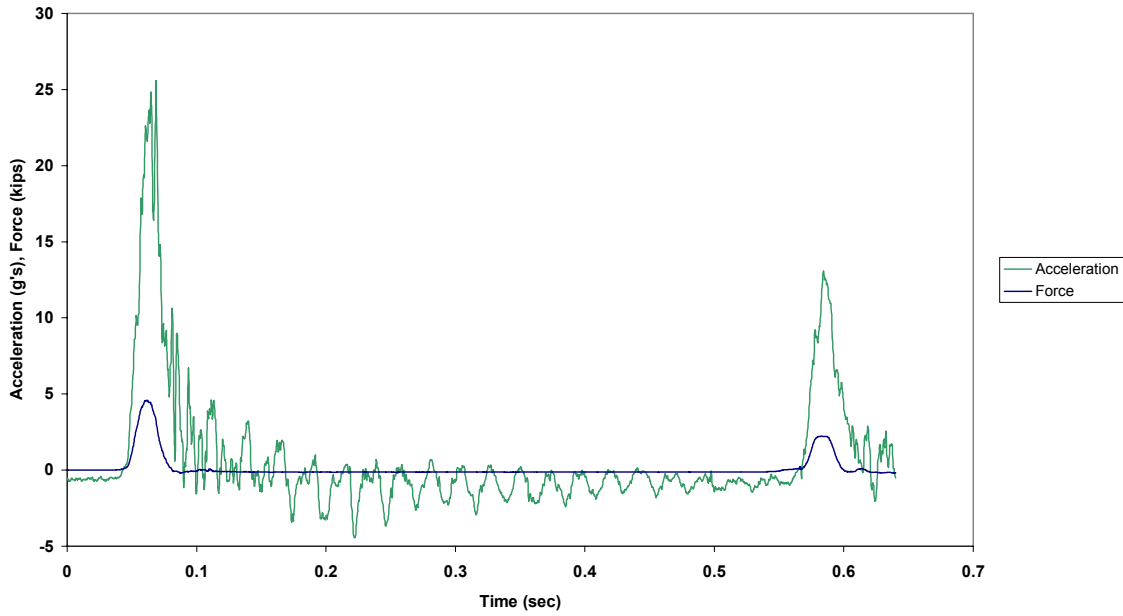


Figure B.58.1 Case 8E: Force and Acceleration vs. Time

Case 8E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

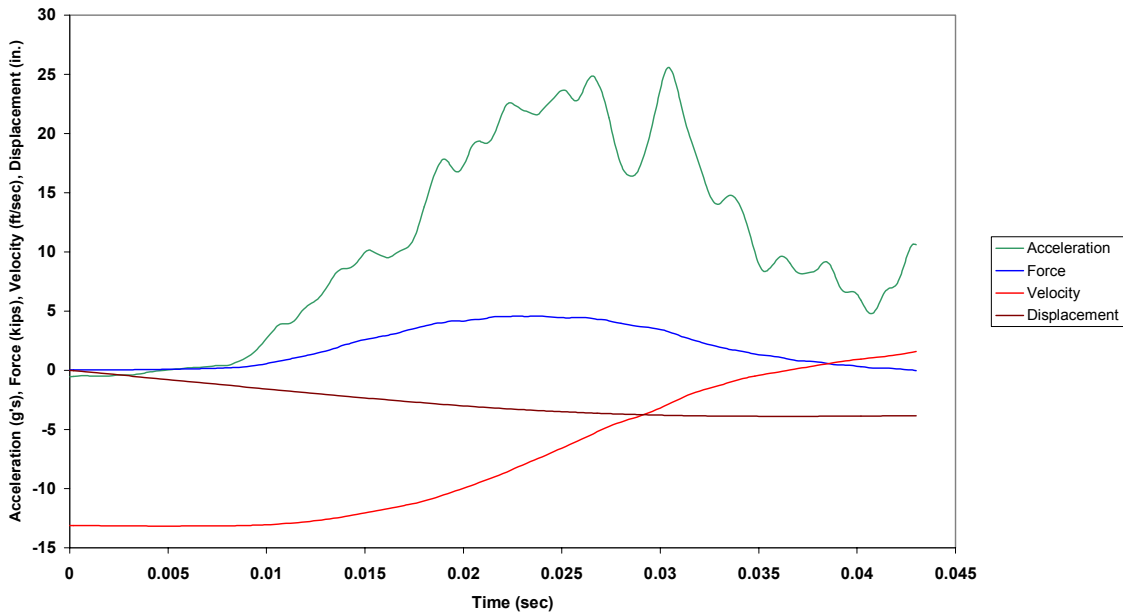


Figure B.58.2 Case 8E: Combined Plot

Case 8E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

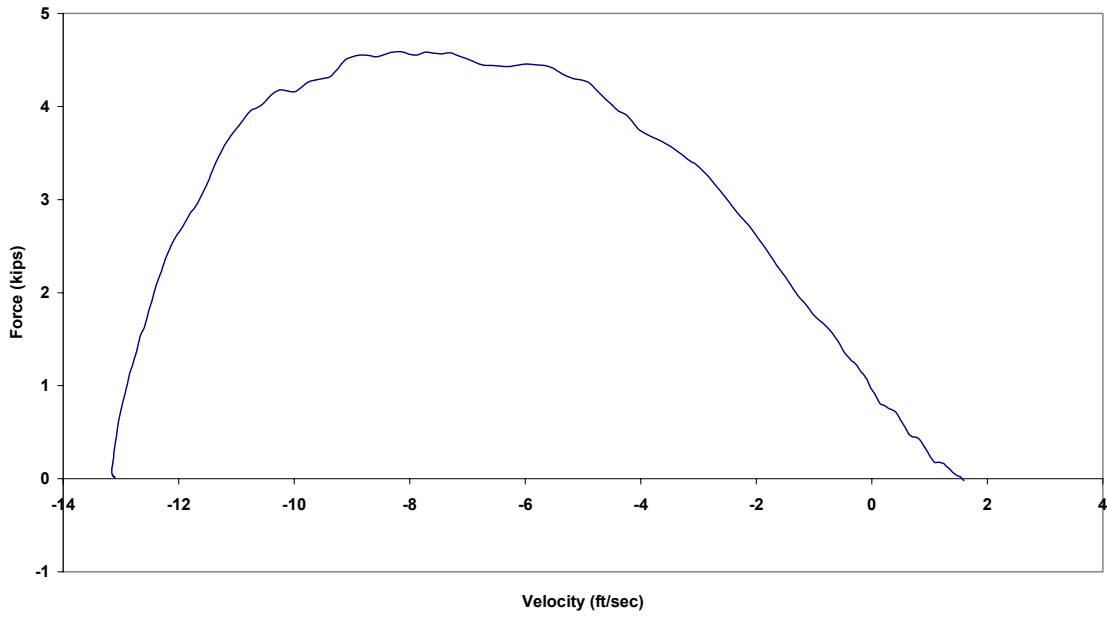


Figure B.58.3 Case 8E: Force vs. Velocity

Case 8E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

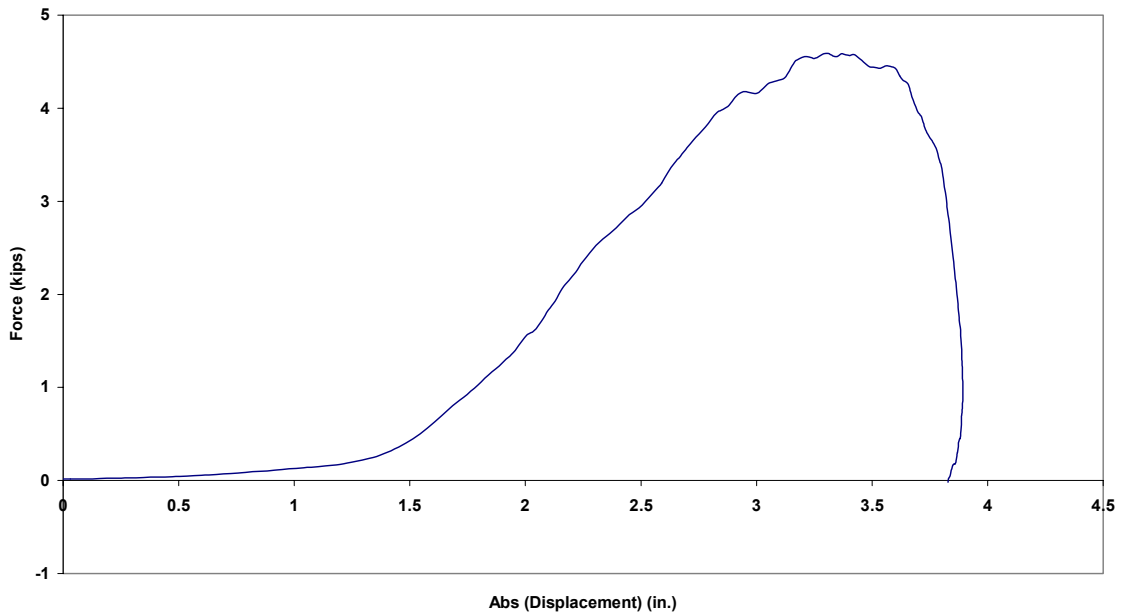


Figure B.58.4 Case 8E: Force vs. Absolute Displacement

Case 9E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

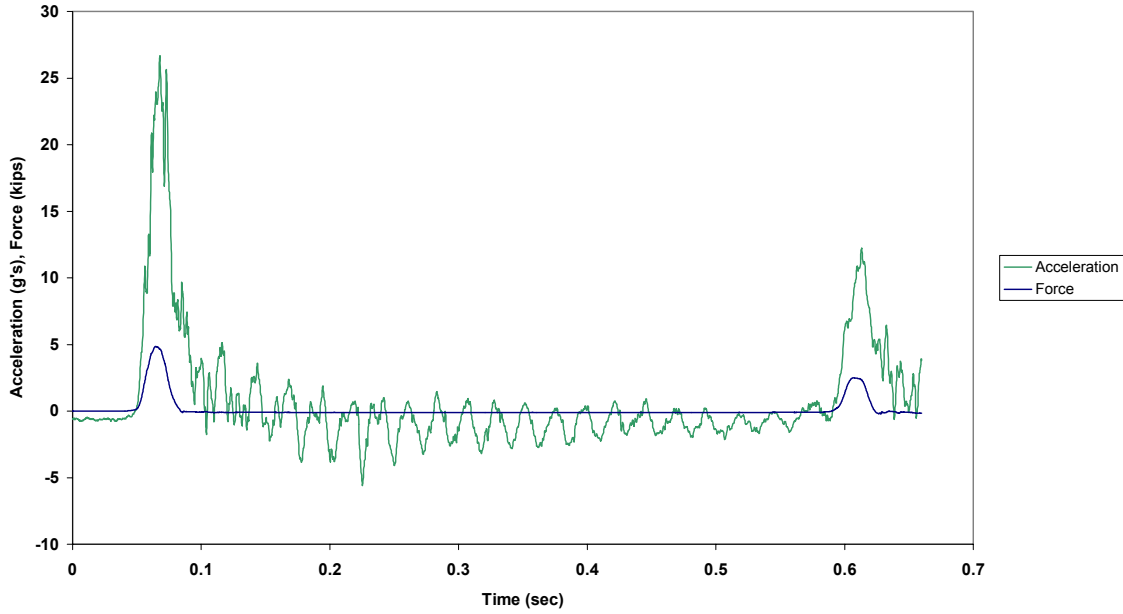


Figure B.59.1 Case 9E: Force and Acceleration vs. Time

Case 9E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

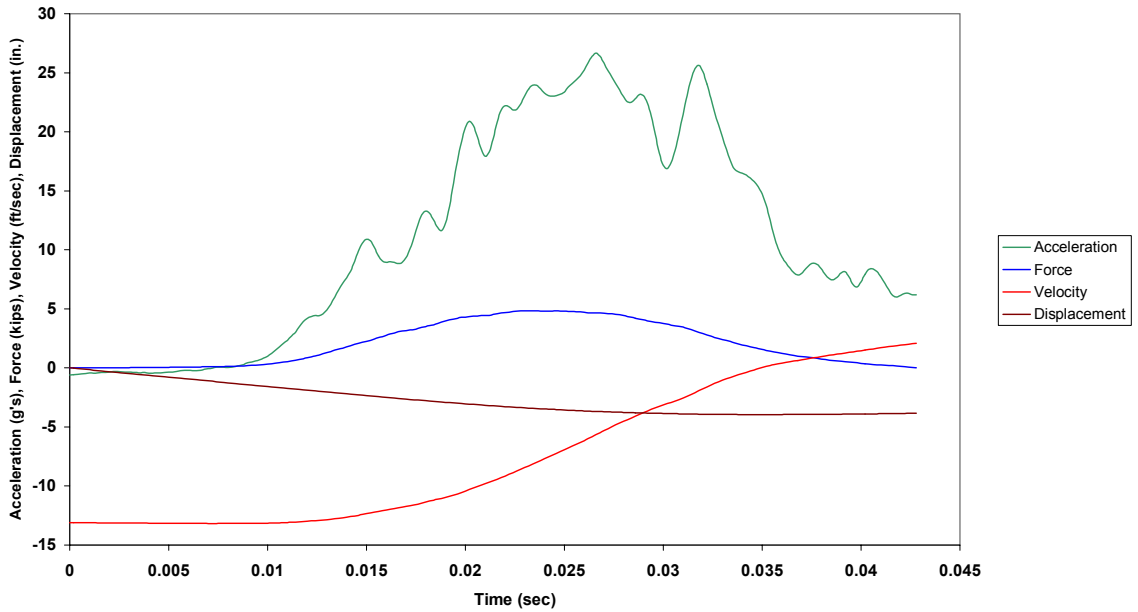


Figure B.59.2 Case 9E: Combined Plot

Case 9E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

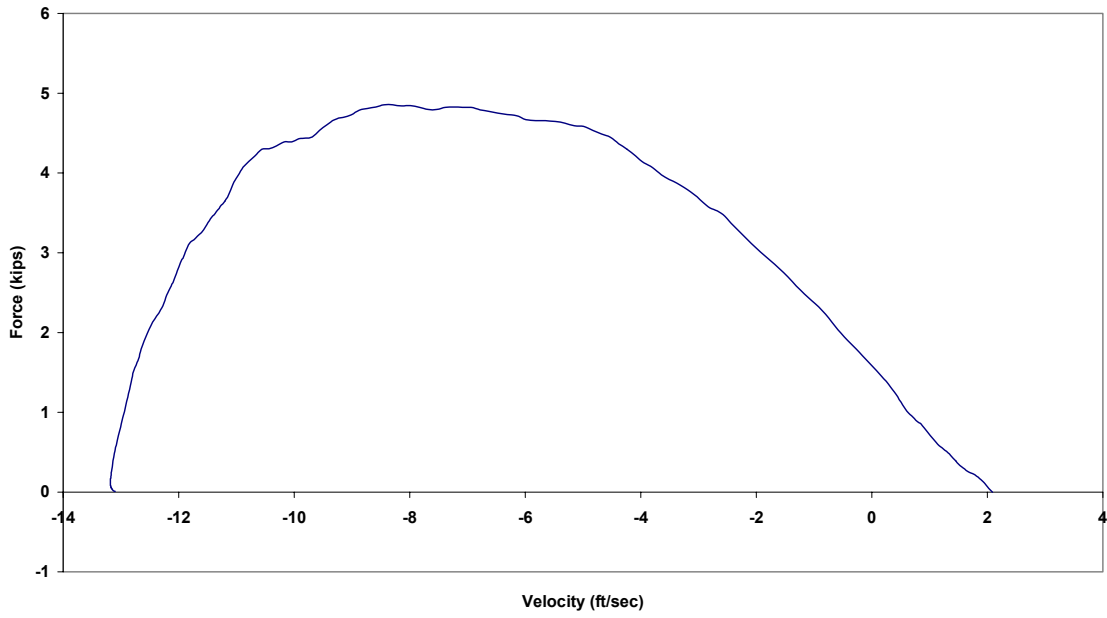


Figure B.59.3 Case 9E: Force vs. Velocity

Case 9E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

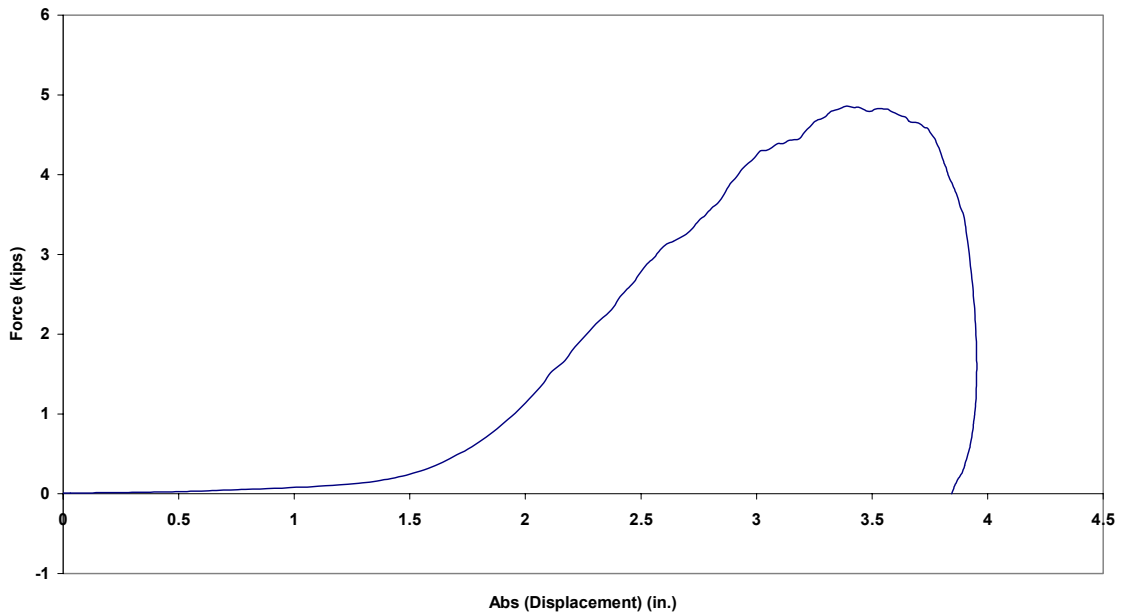


Figure B.59.4 Case 9E: Force vs. Absolute Displacement

Case 10E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

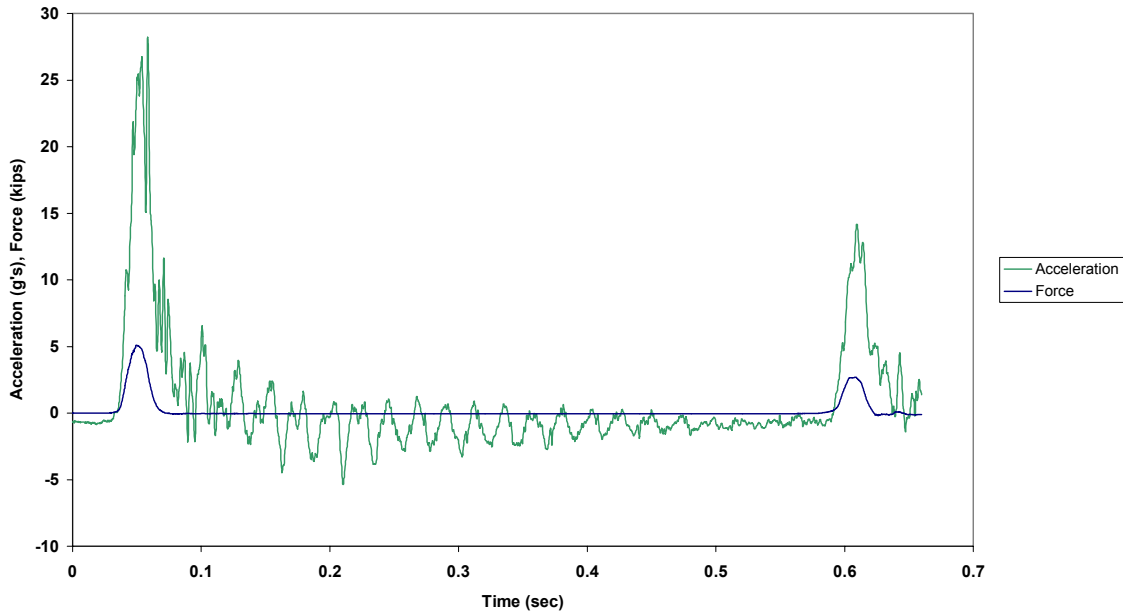


Figure B.60.1 Case 10E: Force and Acceleration vs. Time

Case 10E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

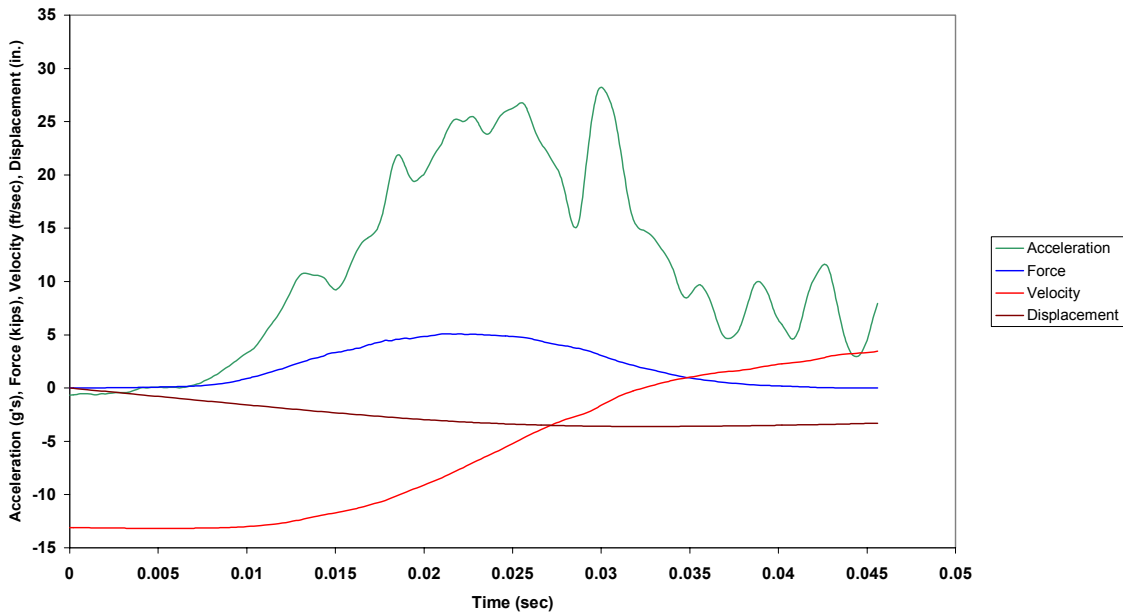


Figure B.60.2 Case 10E: Combined Plot

Case 10E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

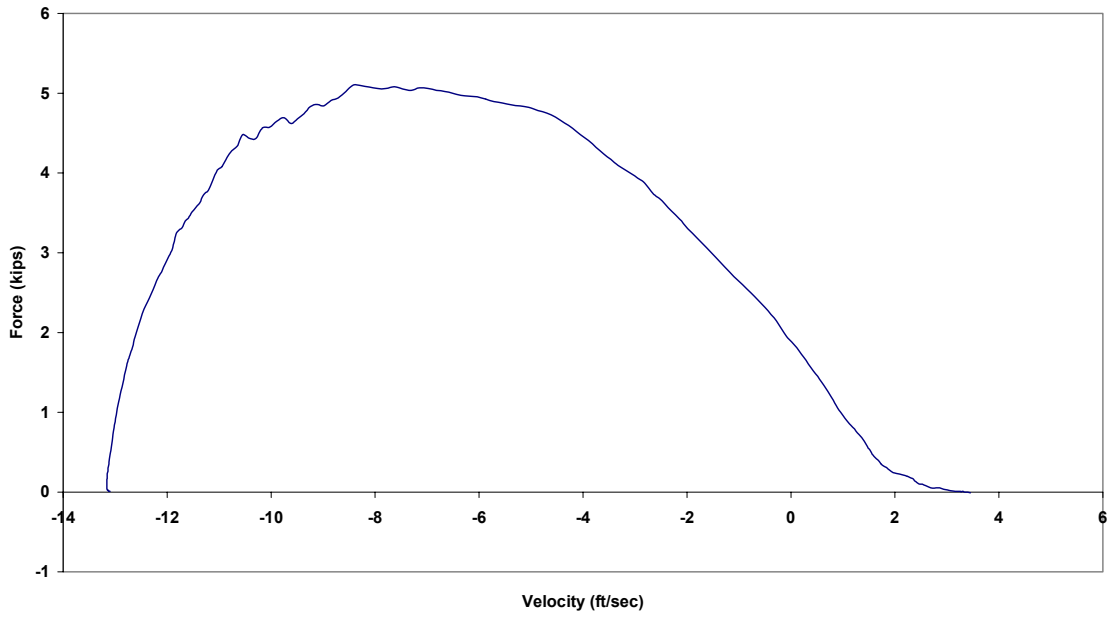


Figure B.60.3 Case 10E: Force vs. Velocity

Case 10E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

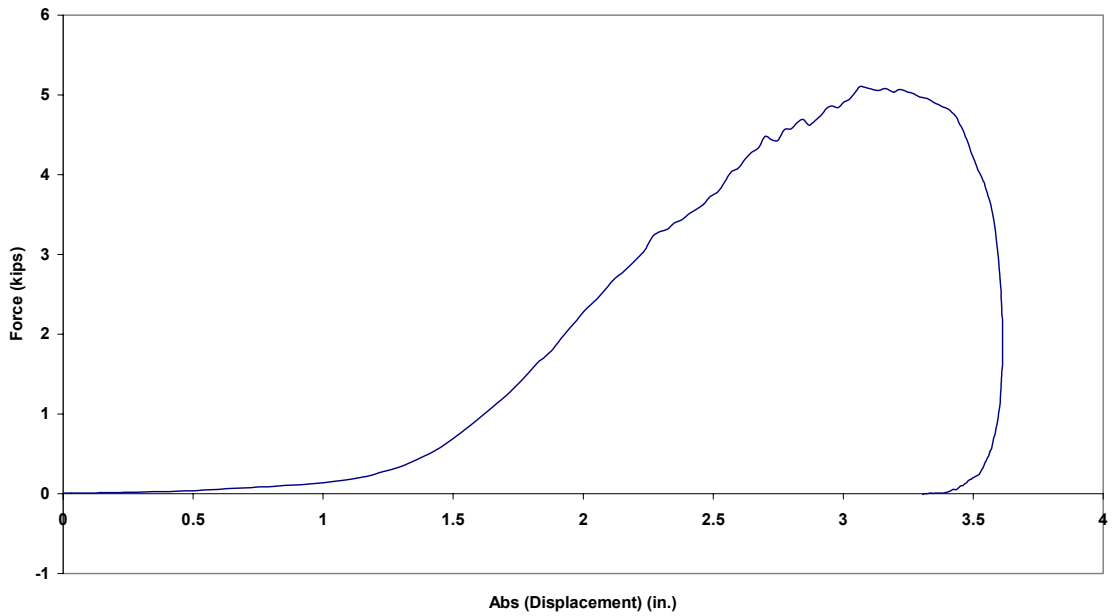


Figure B.60.4 Case 10E: Force vs. Absolute Displacement

Case 11E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

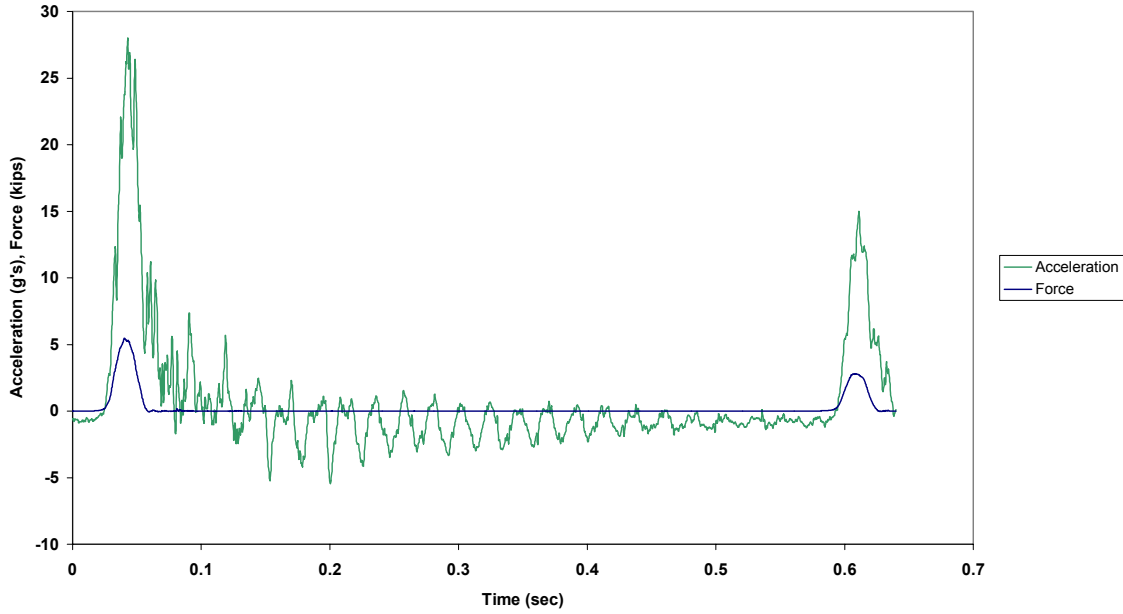


Figure B.61.1 Case 11E: Force and Acceleration vs. Time

Case 11E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

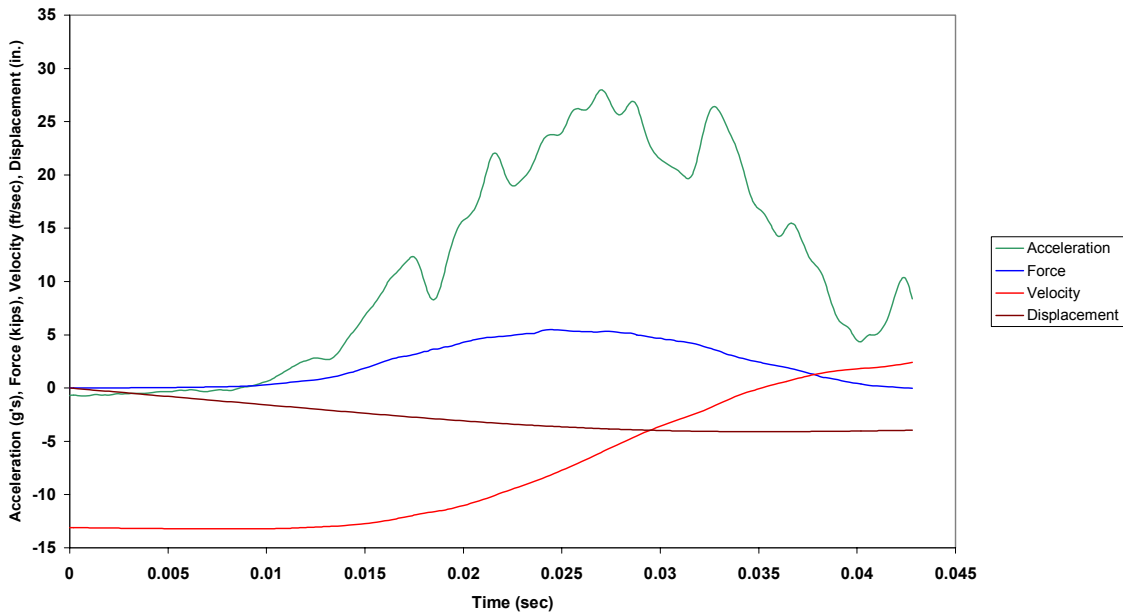


Figure B.61.2 Case 11E: Combined Plot

Case 11E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

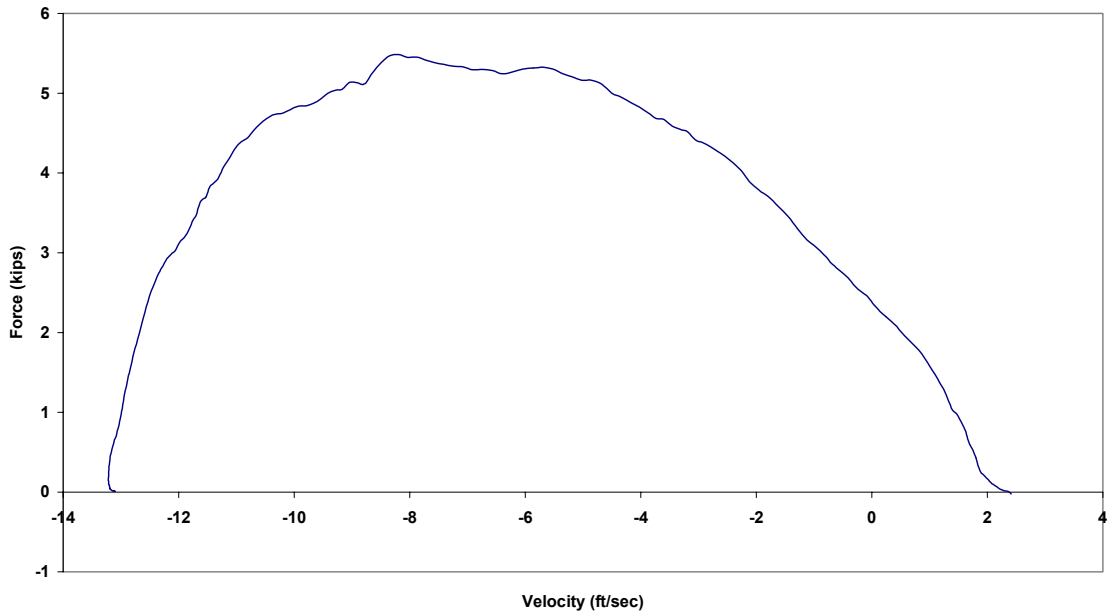


Figure B.61.3 Case 11E: Force vs. Velocity

Case 11E: Precycled 1/2 in. Amsteel II (105 lb from 57 in.)

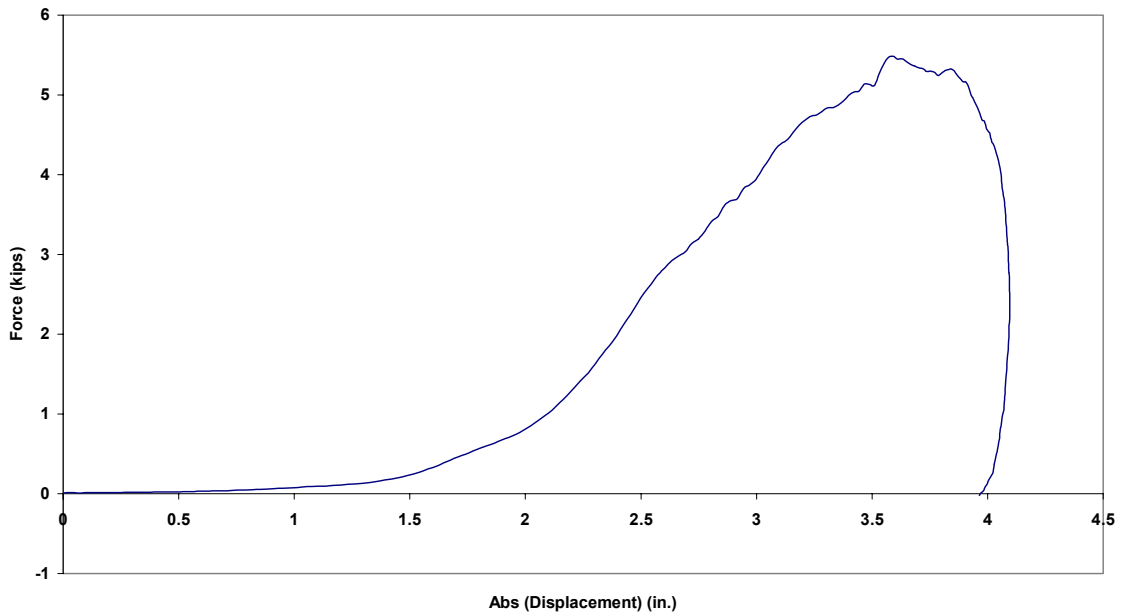


Figure B.61.4 Case 11E: Force vs. Absolute Displacement



Case 1F: New 1/2 in. Amsteel II (85 lb from 56 in.)

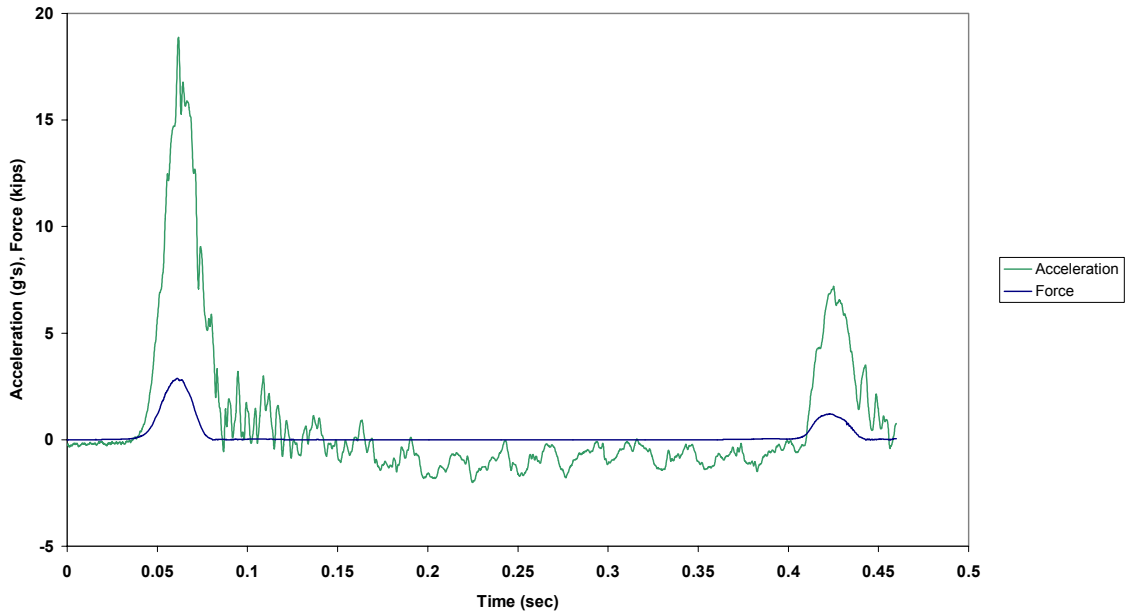


Figure B.62.1 Case 1F: Force and Acceleration vs. Time

Case 1F: New 1/2 in. Amsteel II (85 lb from 56 in.)

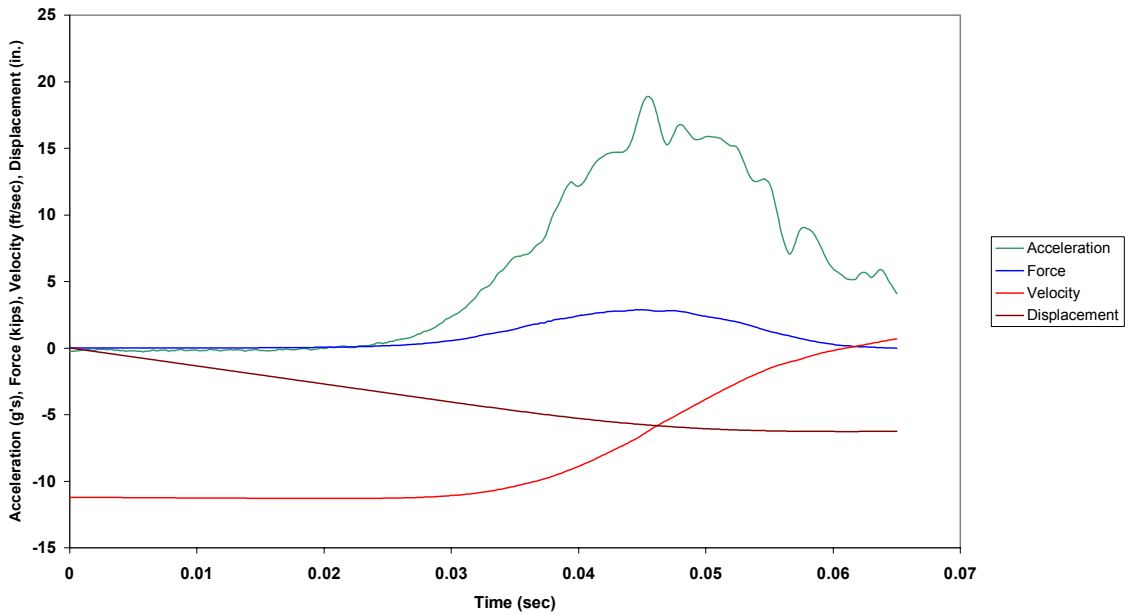


Figure B.62.2 Case 1F: Combined Plot

Case 1F: New 1/2 in. Amsteel II (85 lb from 56 in.)

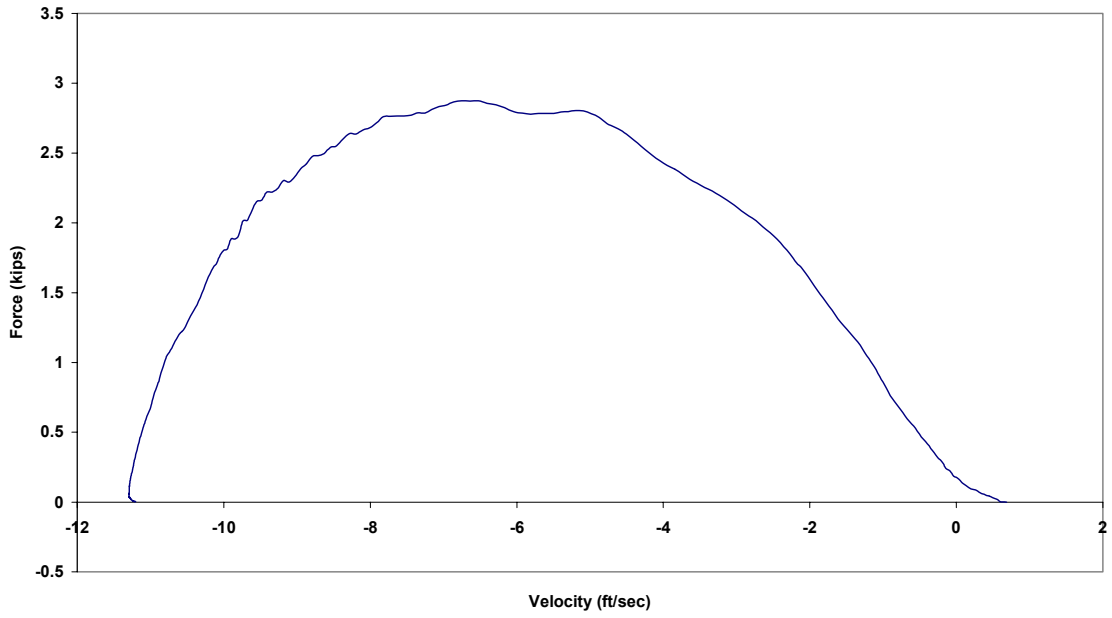


Figure B.62.3 Case 1F: Force vs. Velocity

Case 1F: New 1/2 in. Amsteel II (85 lb from 56 in.)

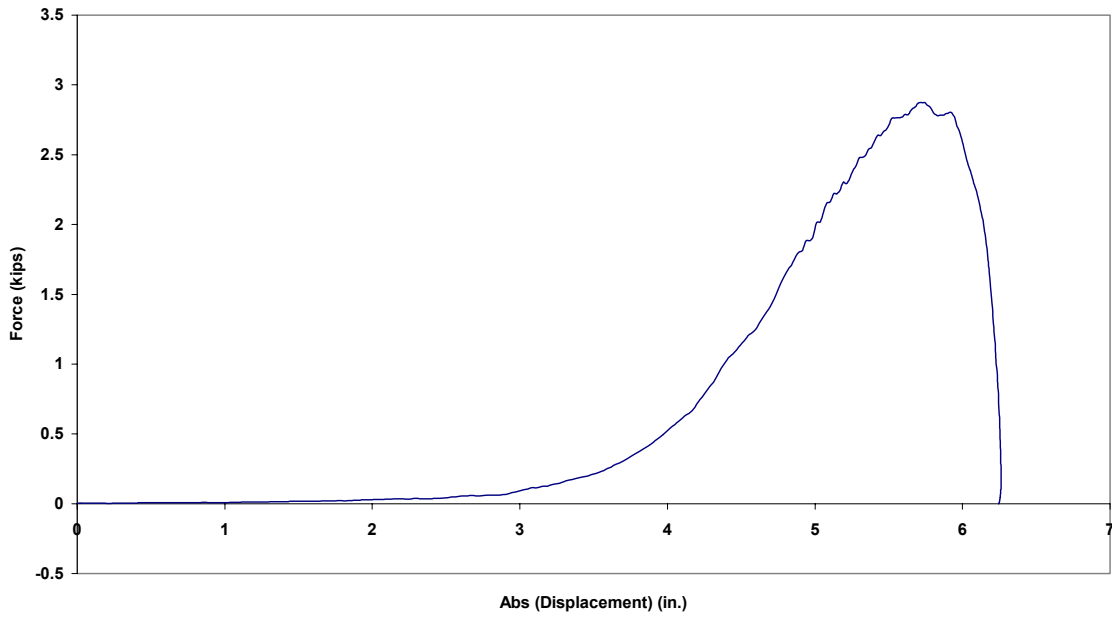


Figure B.62.4 Case 1F: Force vs. Absolute Displacement

Case 2F: New 1/2 in. Amsteel II (85 lb from 56 in.)

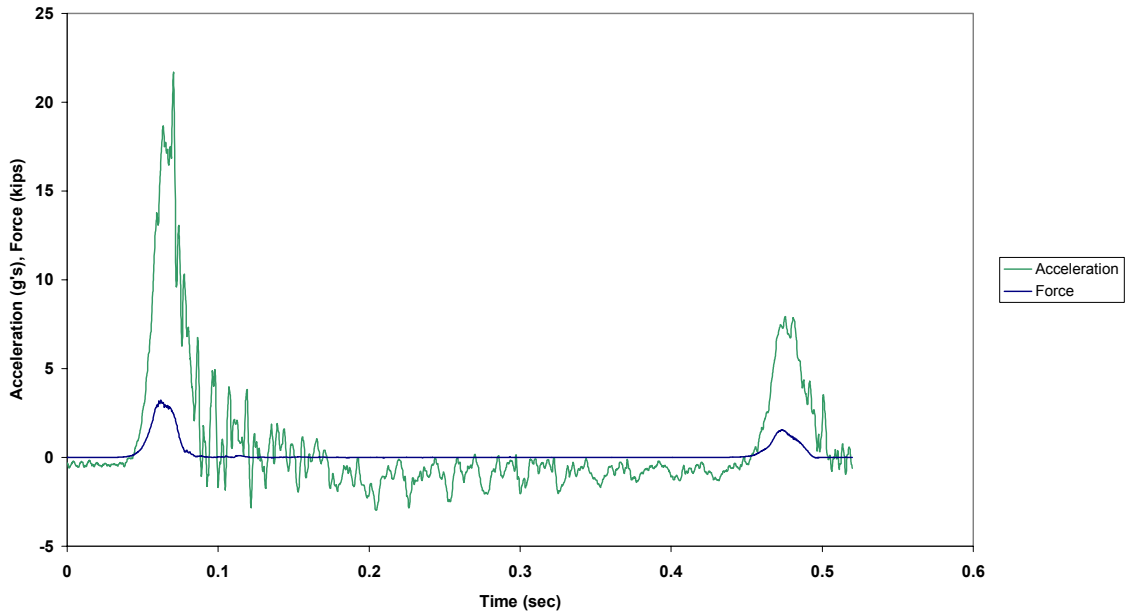


Figure B.63.1 Case 2F: Force and Acceleration vs. Time

Case 2F: New 1/2 in. Amsteel II (85 lb from 56 in.)

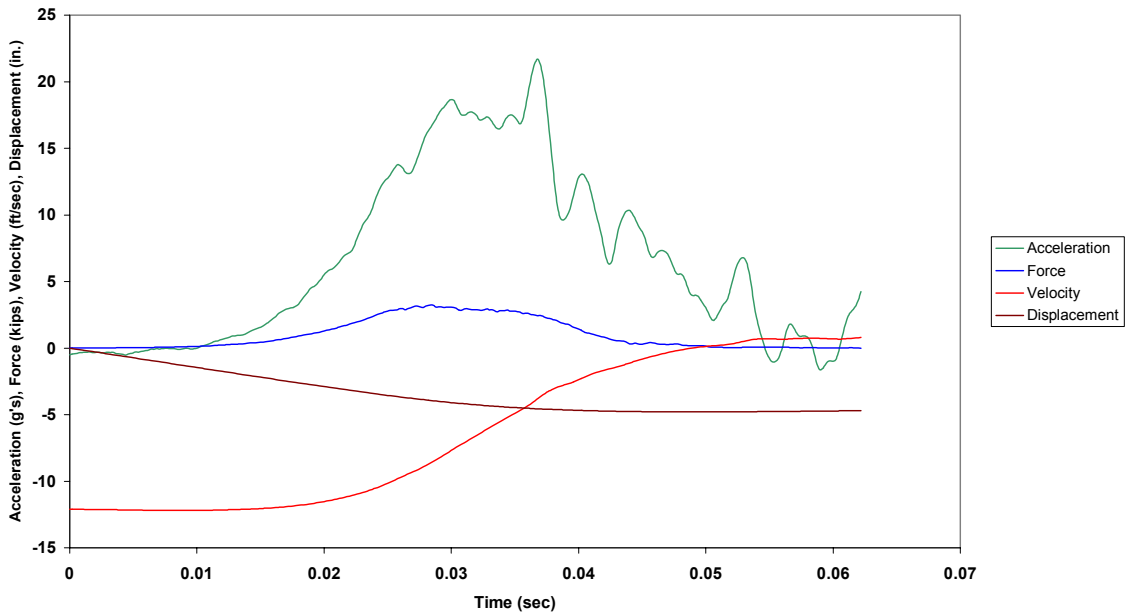


Figure B.63.2 Case 2F: Combined Plot

Case 2F: New 1/2 in. Amsteel II (85 lb from 56 in.)

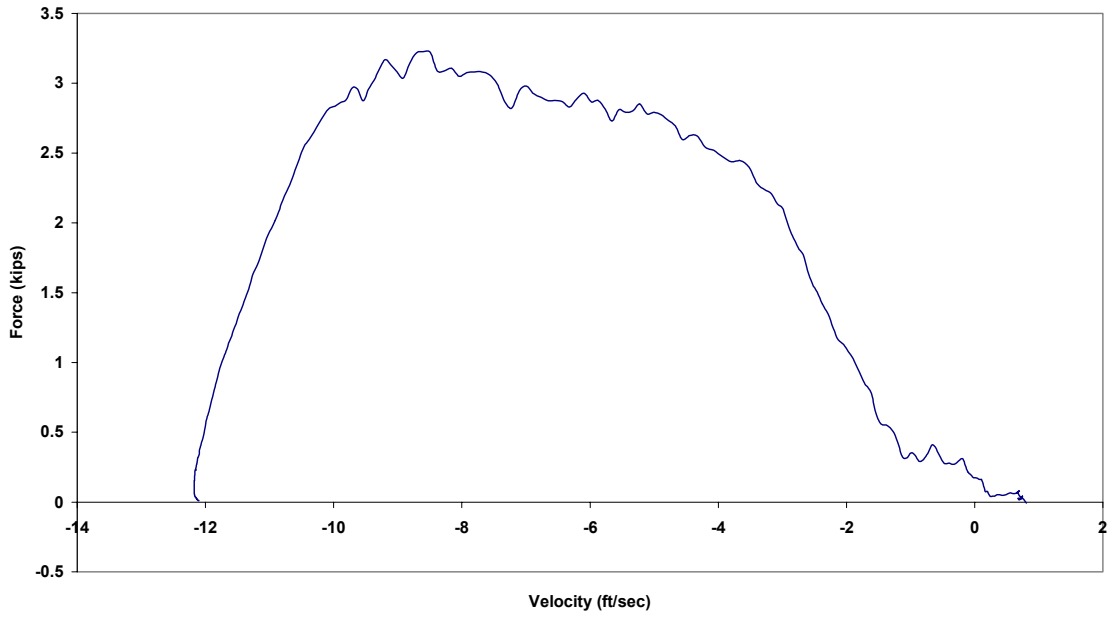


Figure B.63.3 Case 2F: Force vs. Velocity

Case 2F: New 1/2 in. Amsteel II (85 lb from 56 in.)

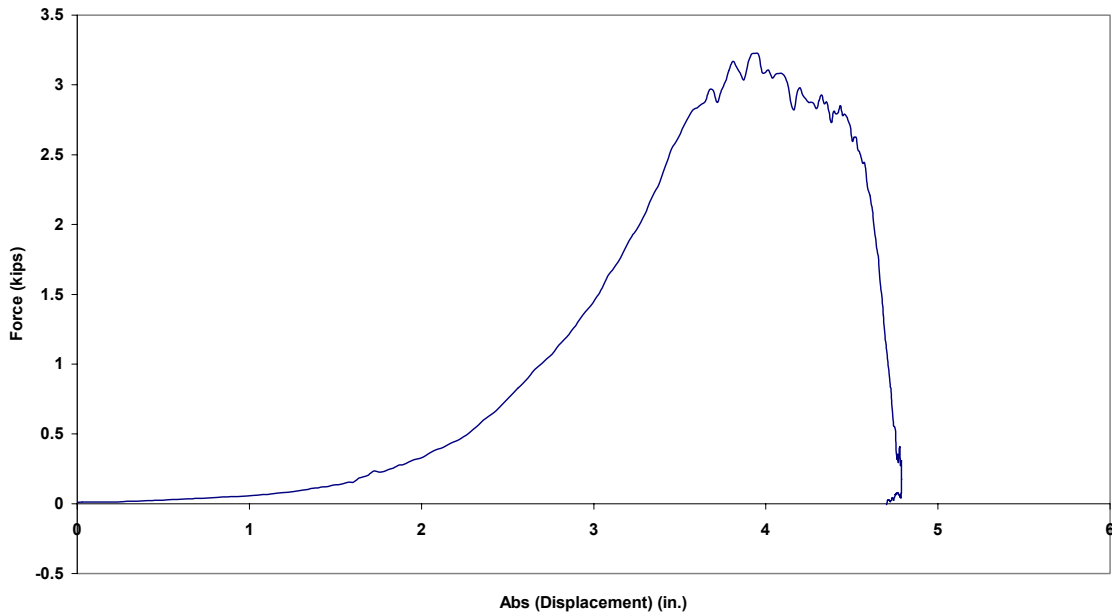


Figure B.63.4 Case 2F: Force vs. Absolute Displacement

Case 3F: New 1/2 in. Amsteel II (85 lb from 56 in.)

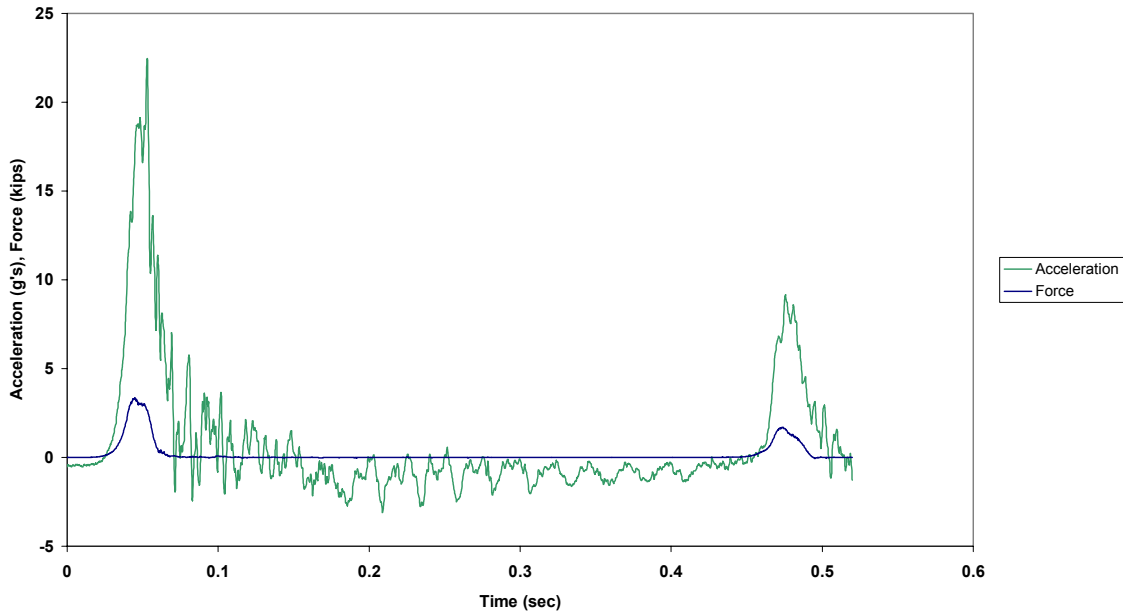


Figure B.64.1 Case 3F: Force and Acceleration vs. Time

Case 3F: New 1/2 in. Amsteel II (85 lb from 56 in.)

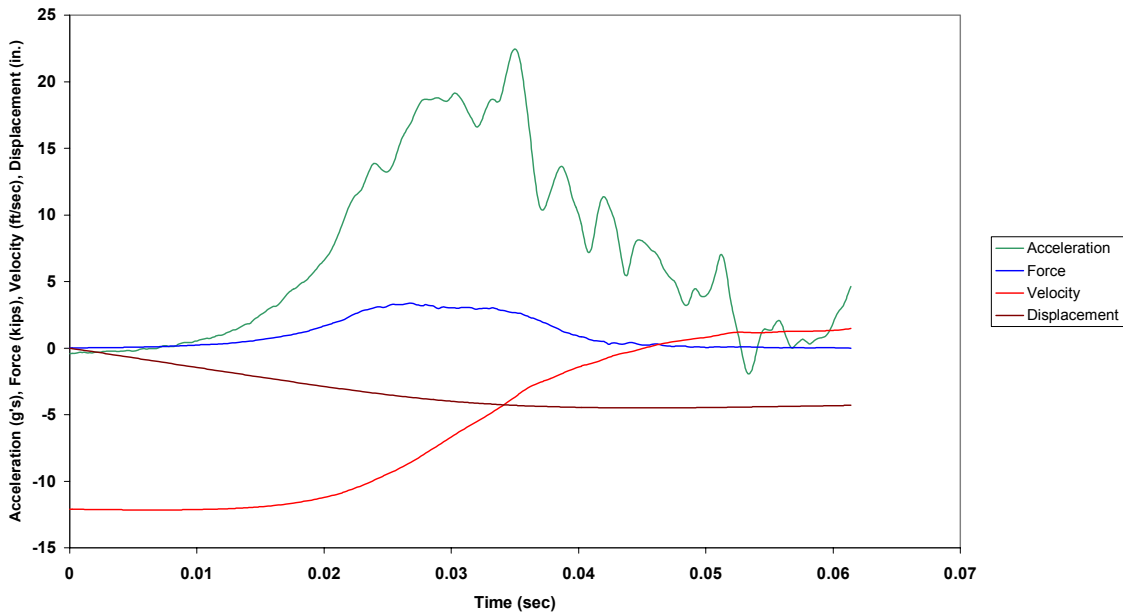


Figure B.64.2 Case 3F: Combined Plot

Case 3F: New 1/2 in. Amsteel II (85 lb from 56 in.)

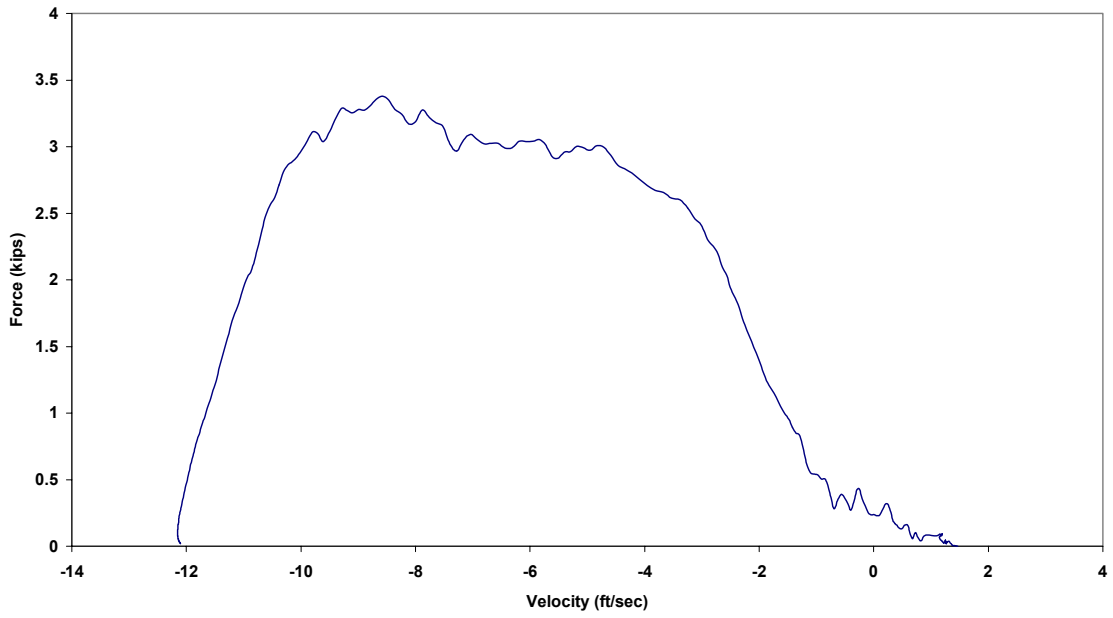


Figure B.64.3 Case 3F: Force vs. Velocity

Case 3F: New 1/2 in. Amsteel II (85 lb from 56 in.)

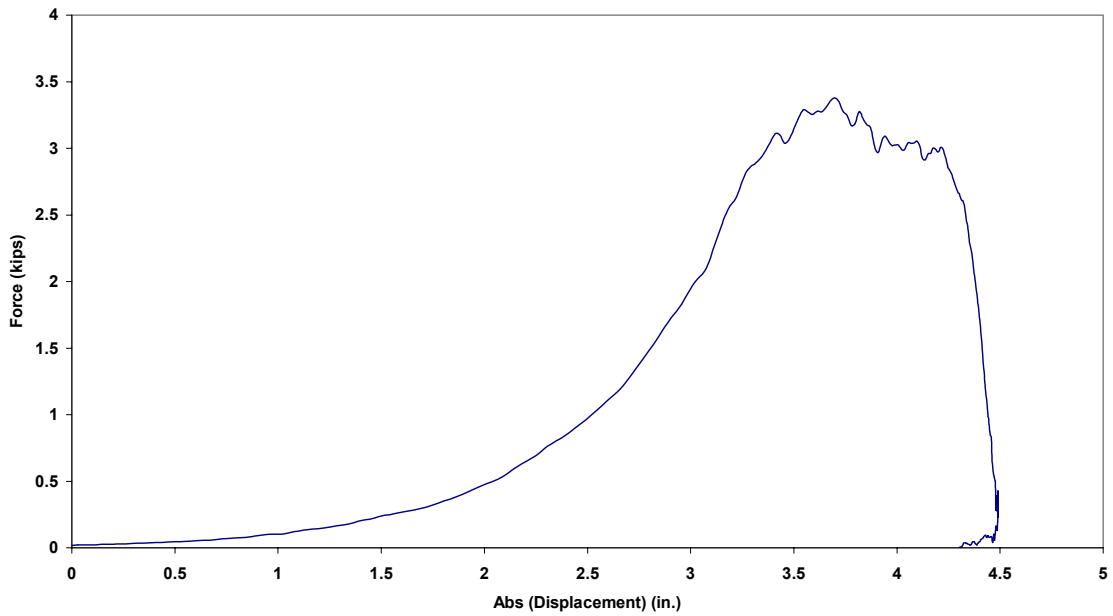


Figure B.64.4 Case 3F: Force vs. Absolute Displacement

Case 4F: New 1/2 in. Amsteel II (85 lb from 56 in.)

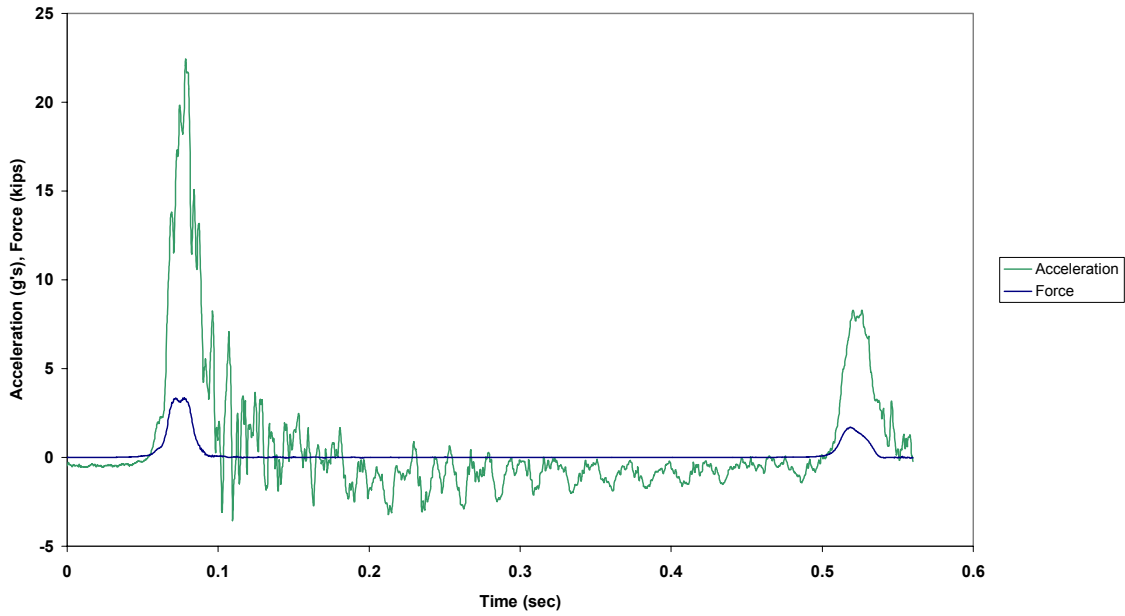


Figure B.65.1 Case 4F: Force and Acceleration vs. Time

Case 4F: New 1/2 in. Amsteel II (85 lb from 56 in.)

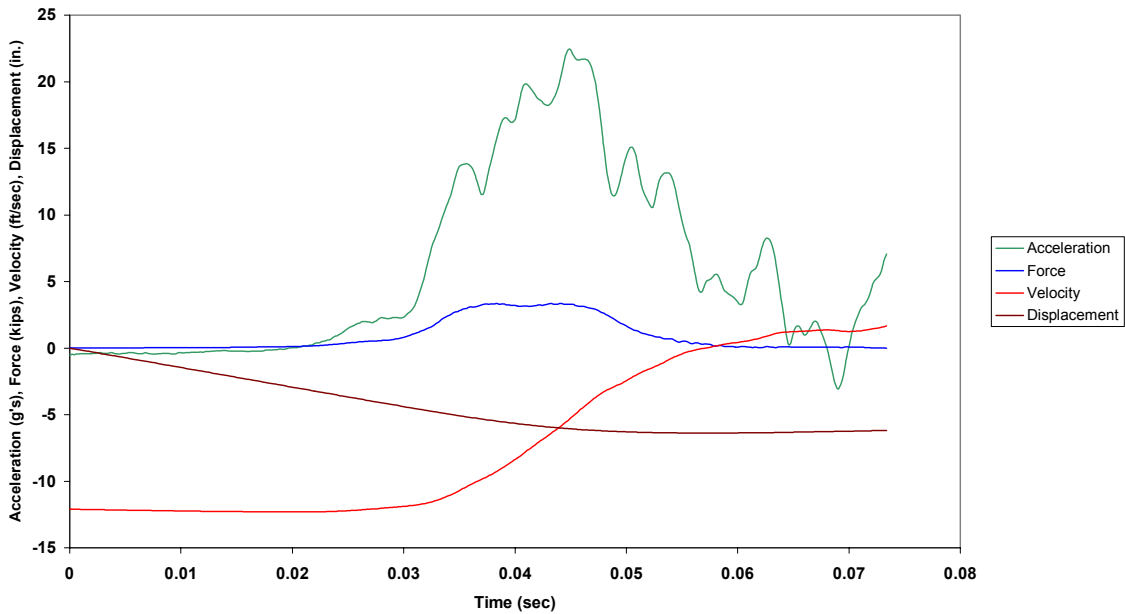


Figure B.65.2 Case 4F: Combined Plot

Case 4F: New 1/2 in. Amsteel II (85 lb from 56 in.)

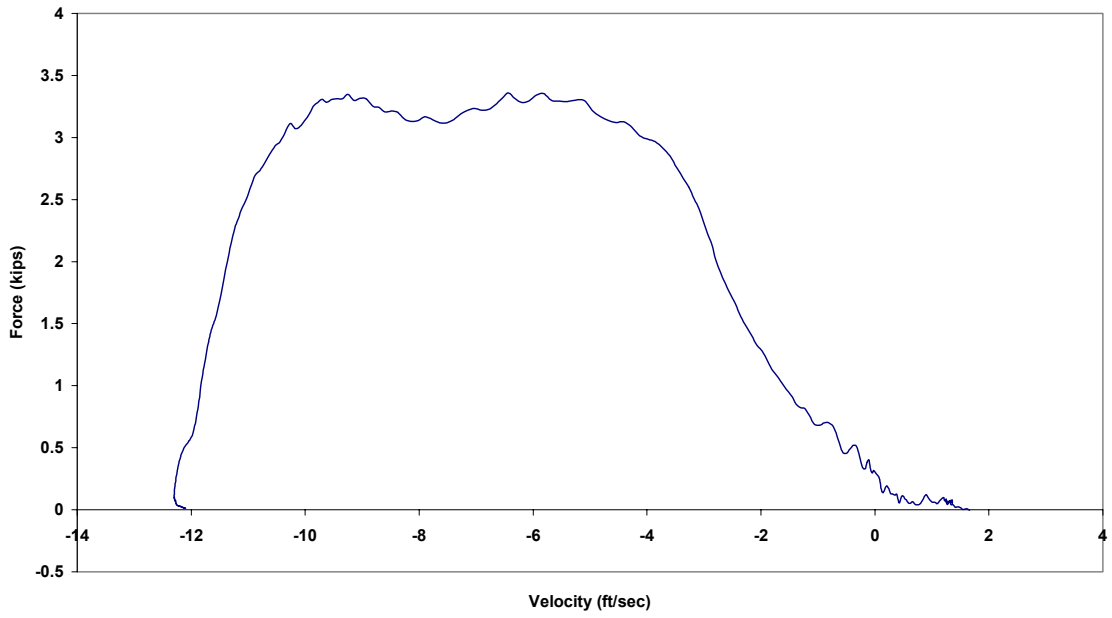


Figure B.65.3 Case 4F: Force vs. Velocity

Case 4F: New 1/2 in. Amsteel II (85 lb from 56 in.)

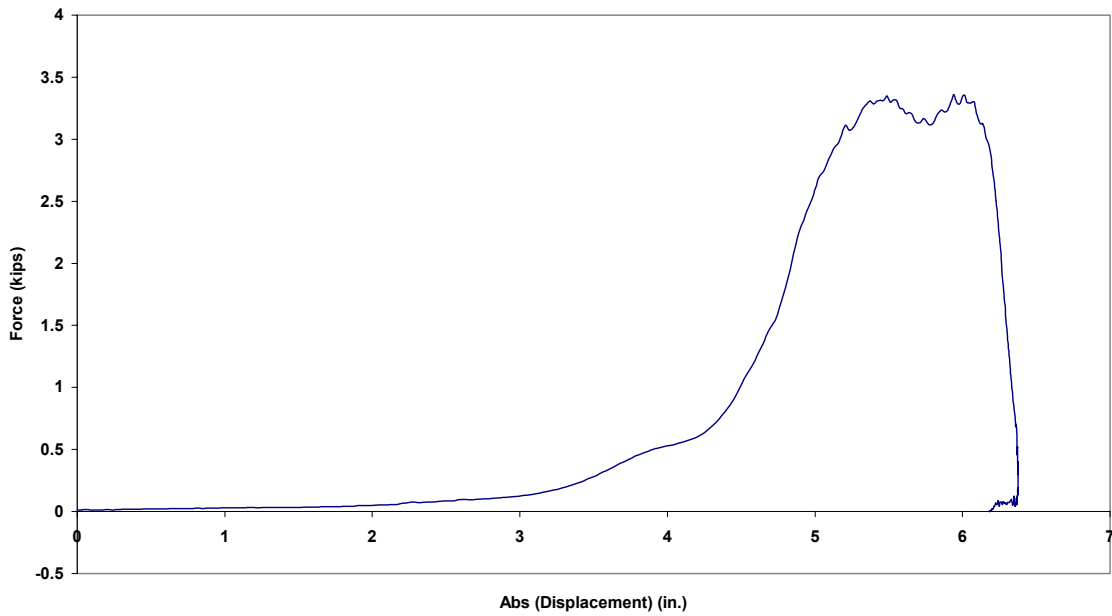


Figure B.65.4 Case 4F: Force vs. Absolute Displacement



Case 5F: New 1/2 in. Amsteel II (85 lb from 56 in.)

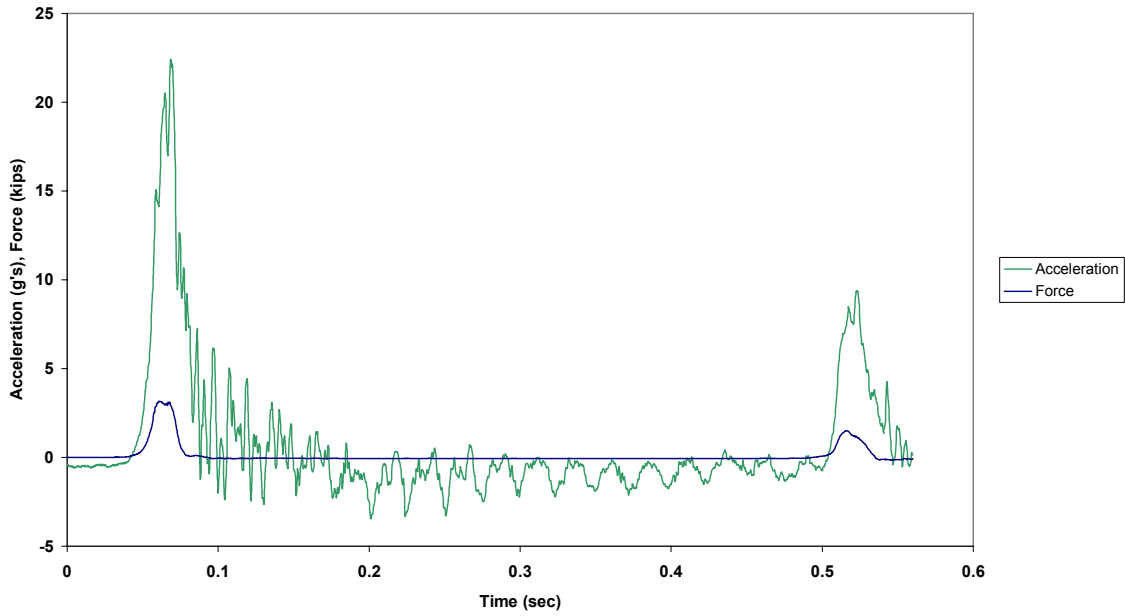


Figure B.66.1 Case 5F: Force and Acceleration vs. Time

Case 5F: New 1/2 in. Amsteel II (85 lb from 56 in.)

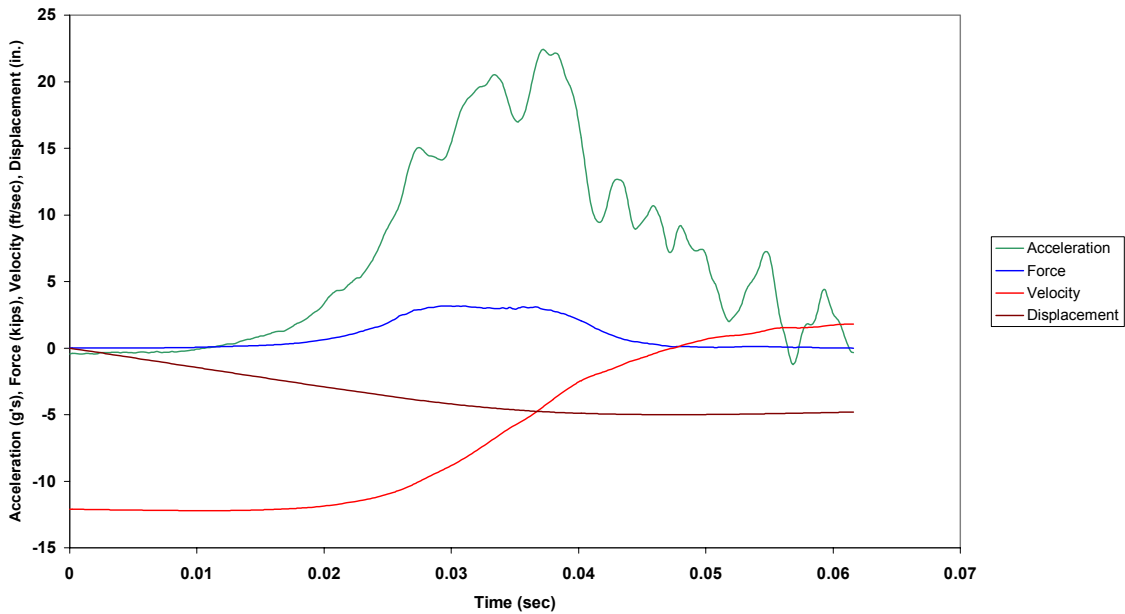


Figure B.66.2 Case 5F: Combined Plot

Case 5F: New 1/2 in. Amsteel II (85 lb from 56 in.)

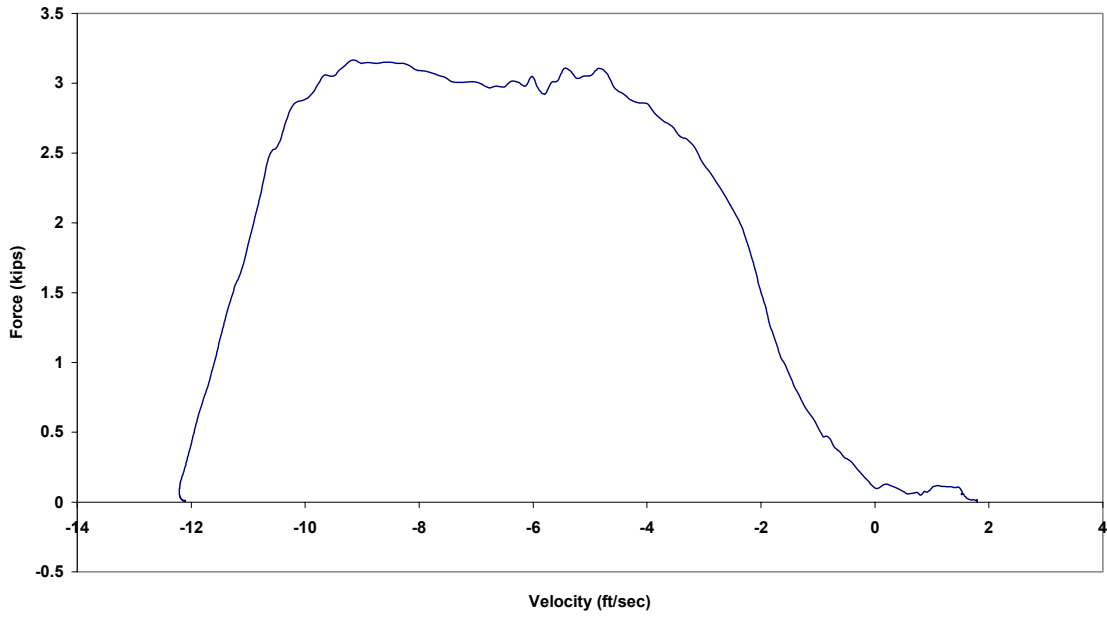


Figure B.66.3 Case 5F: Force vs. Velocity

Case 5F: New 1/2 in. Amsteel II (85 lb from 56 in.)

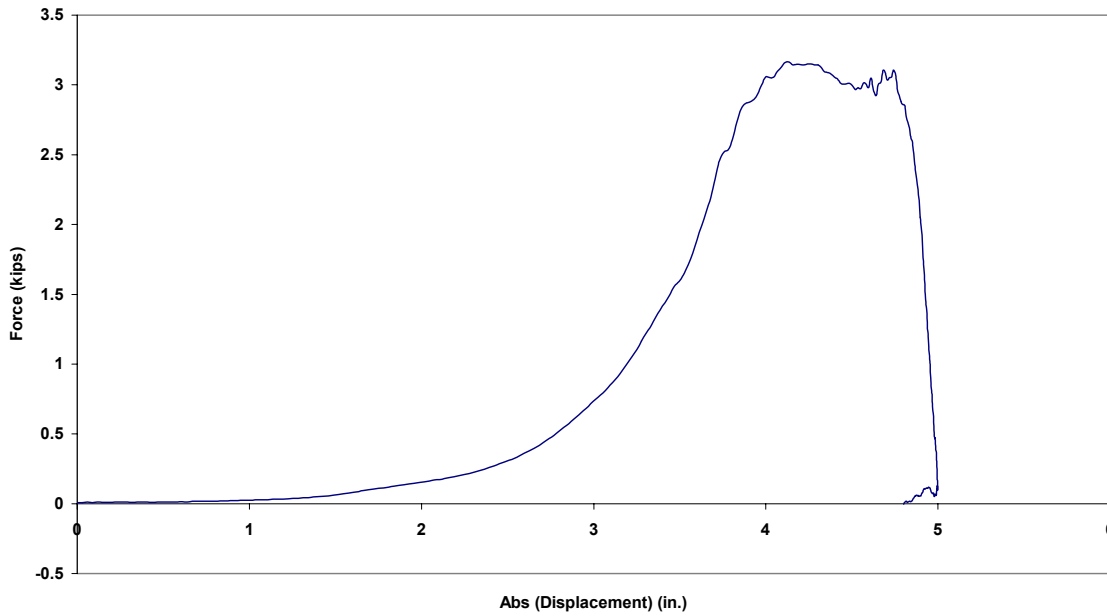


Figure B.66.4 Case 5F: Force vs. Absolute Displacement

Case 6F: New 1/2 in. Amsteel II (85 lb from 56 in.)

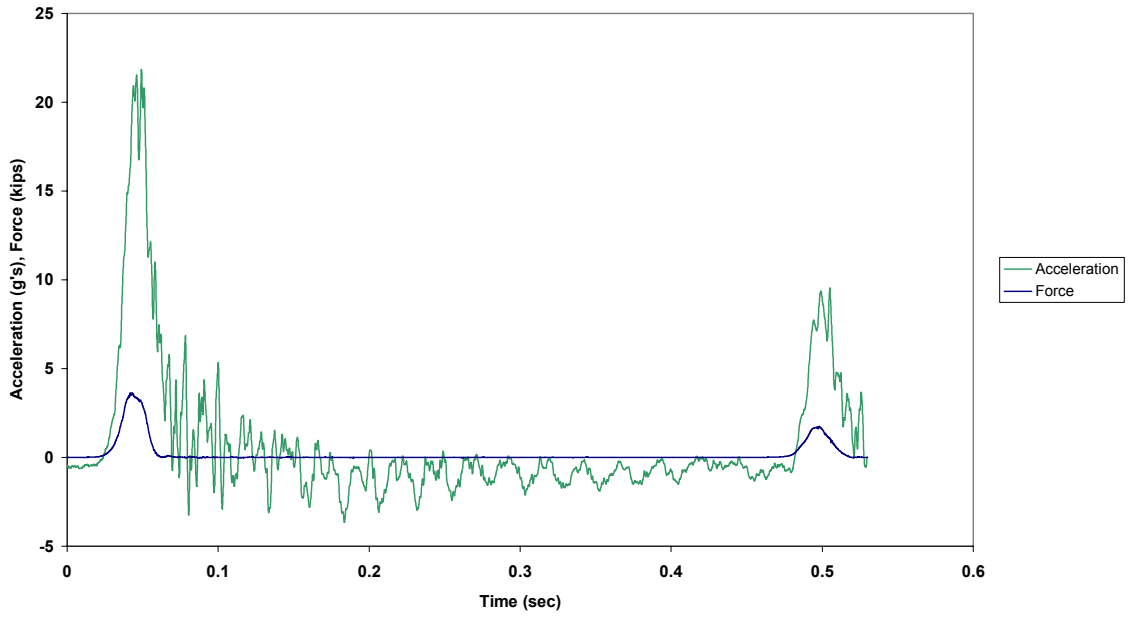


Figure B.67.1 Case 6F: Force and Acceleration vs. Time

Case 6F: New 1/2 in. Amsteel II (85 lb from 56 in.)

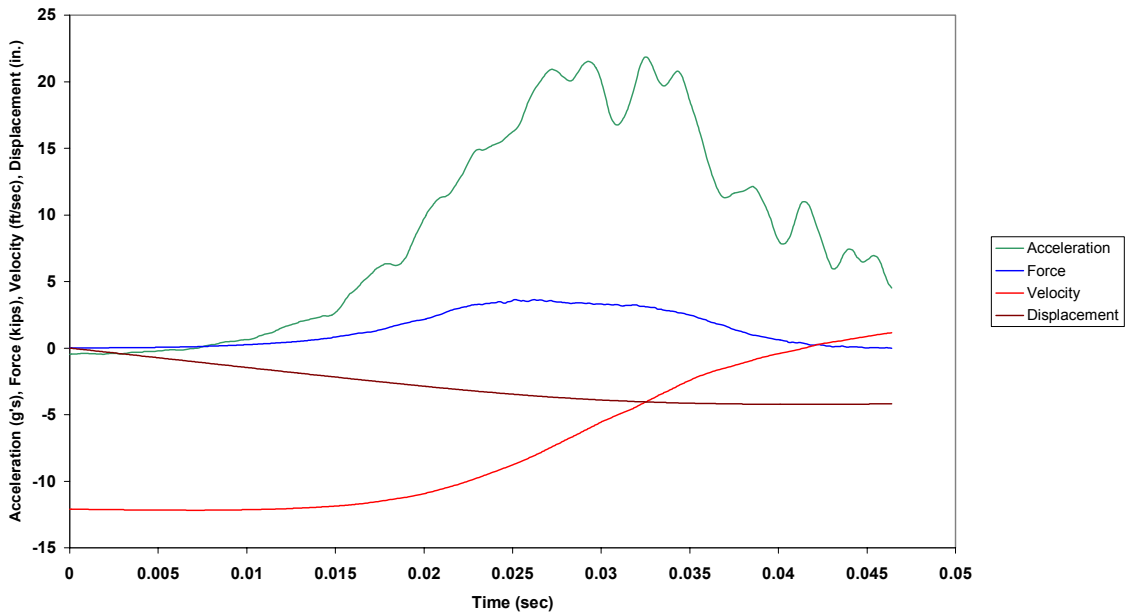


Figure B.67.2 Case 6F: Combined Plot

Case 6F: New 1/2 in. Amsteel II (85 lb from 56 in.)

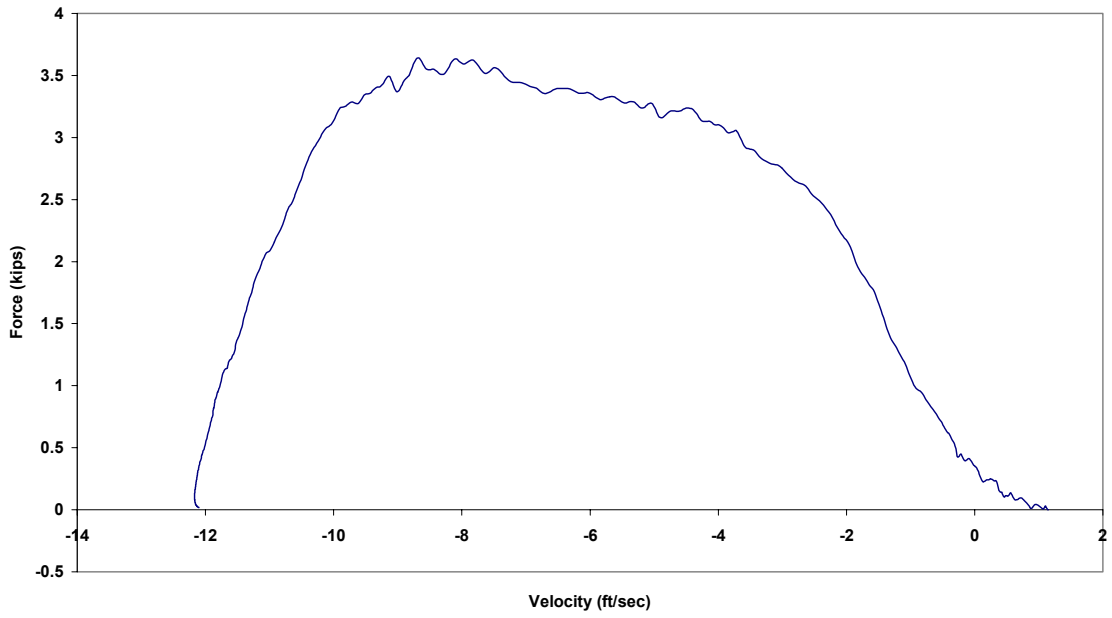


Figure B.67.3 Case 6F: Force vs. Velocity

Case 6F: New 1/2 in. Amsteel II (85 lb from 56 in.)

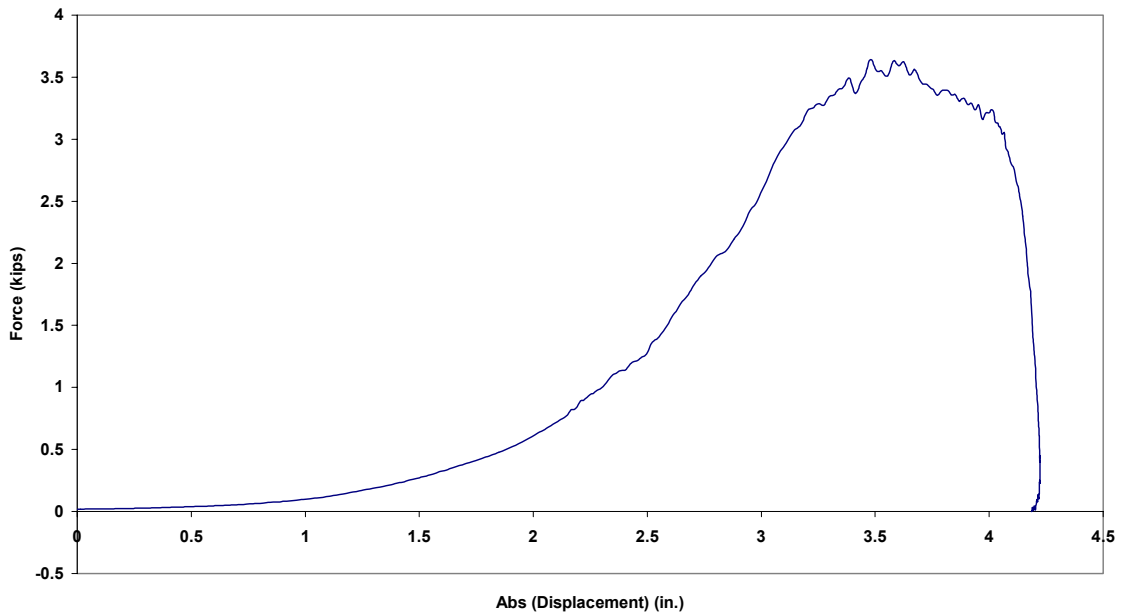


Figure B.67.4 Case 6F: Force vs. Absolute Displacement

Case 7F: New 1/2 in. Amsteel II (105 lb from 57 in.)

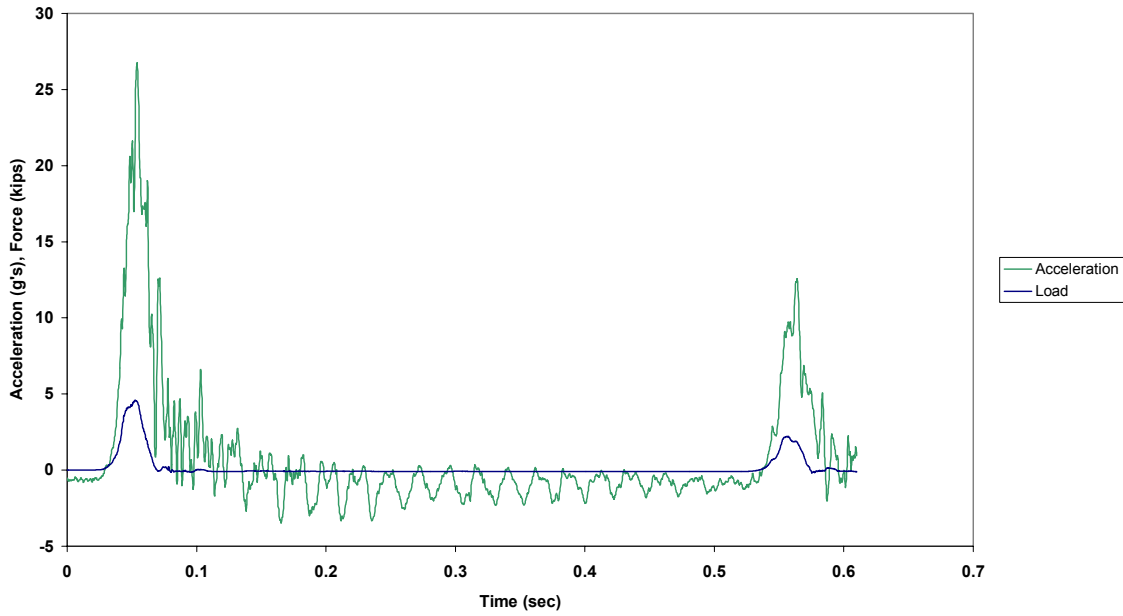


Figure B.68.1 Case 7F: Force and Acceleration vs. Time

Case 7F: New 1/2 in. Amsteel II (105 lb from 57 in.)

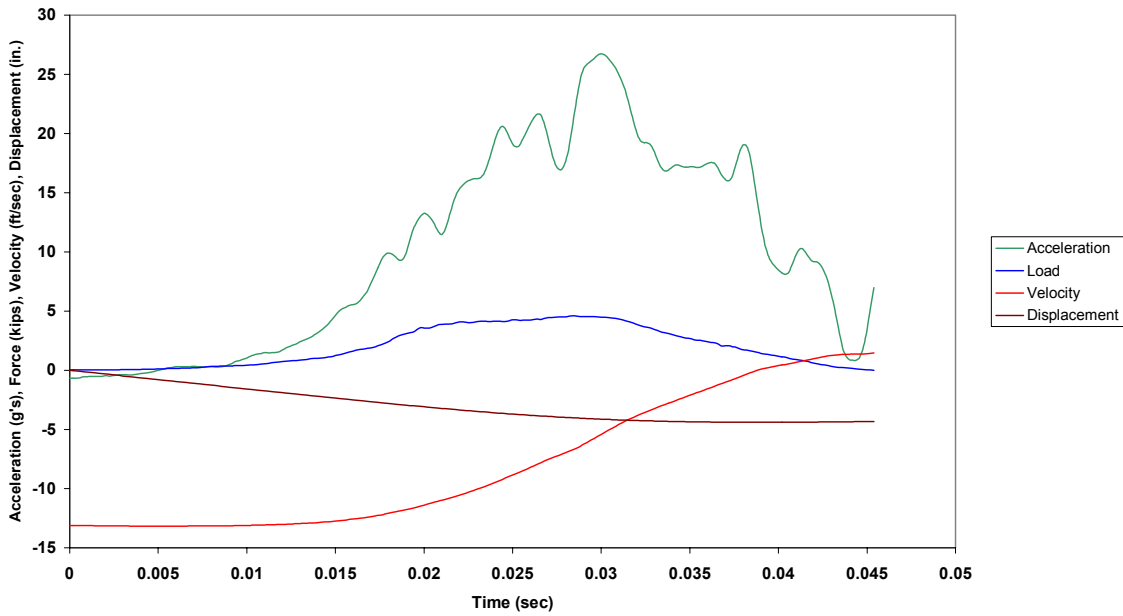


Figure B.68.2 Case 7F: Combined Plot

Case 2F: New 1/2 in. Amsteel II (105 lb from 57 in.)

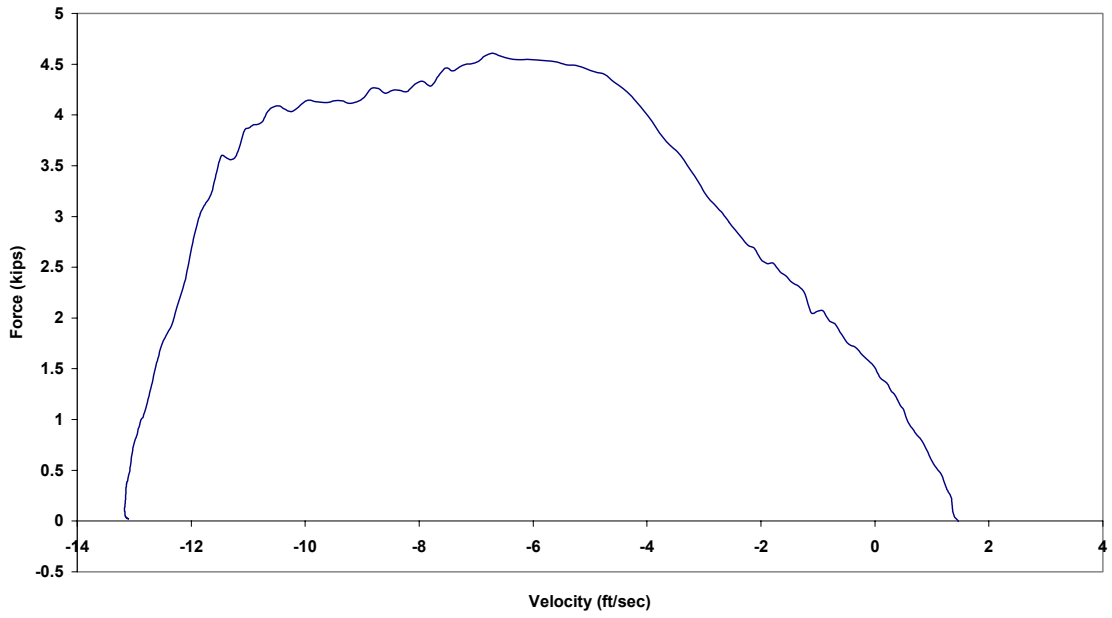


Figure B.68.3 Case 7F: Force vs. Velocity

Case 7F: New 1/2 in. Amsteel II (105 lb from 57 in.)

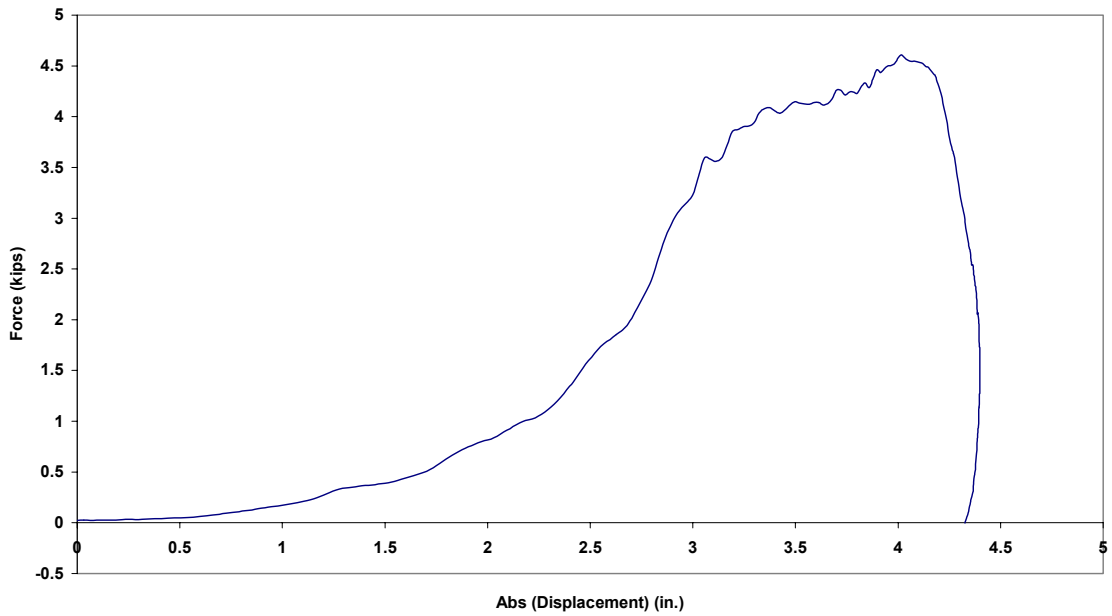


Figure B.68.4 Case 7F: Force vs. Absolute Displacement

Case 8F: New 1/2 in. Amsteel II (105 lb from 57 in.)

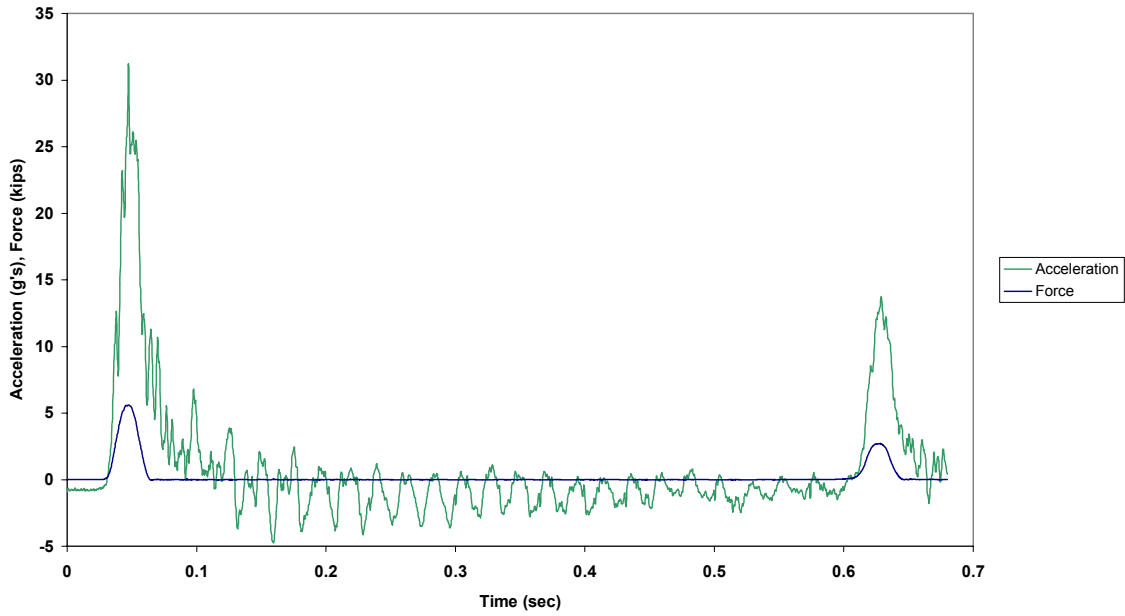


Figure B.69.1 Case 8F: Force and Acceleration vs. Time

Case 8F: New 1/2 in. Amsteel II (105 lb from 57 in.)

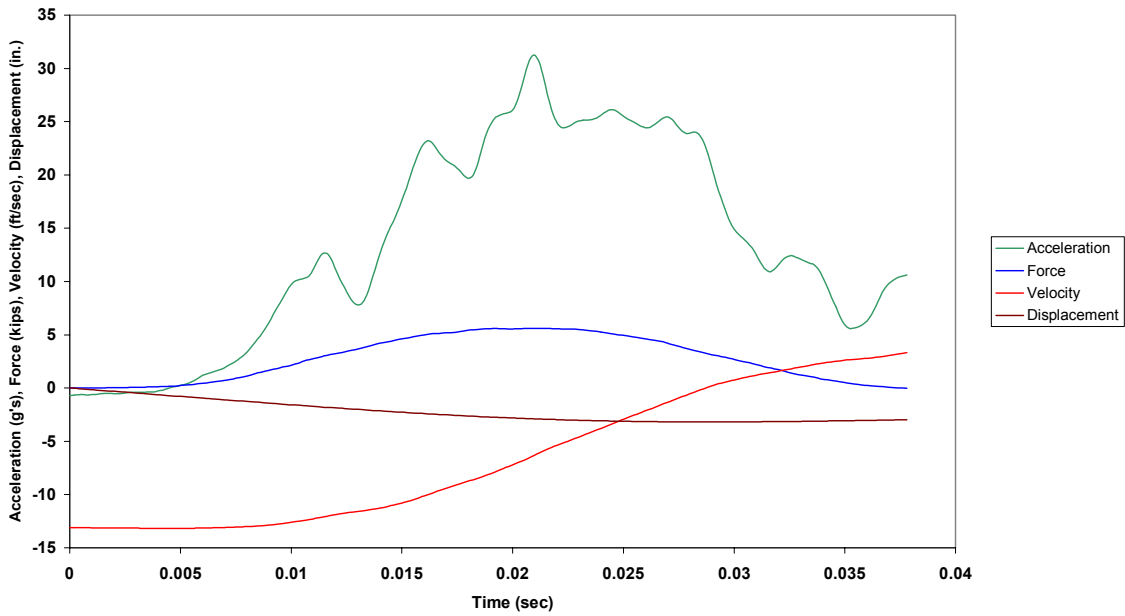


Figure B.69.2 Case 8F: Combined Plot

Case 8F: New 1/2 in. Amsteel II (105 lb from 57 in.)

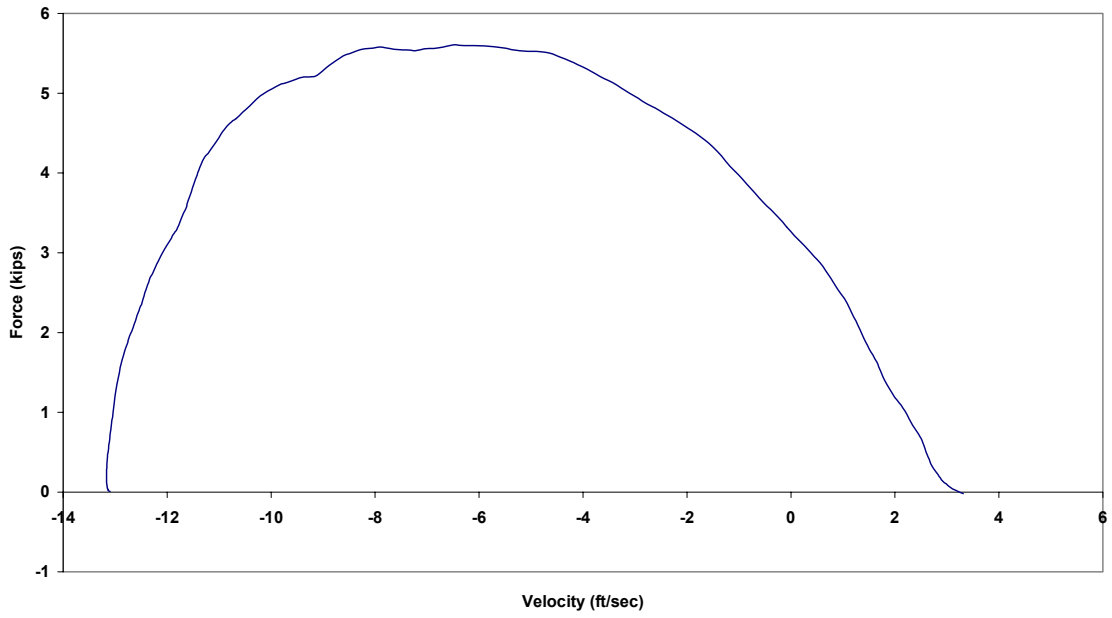


Figure B.69.3 Case 8F: Force vs. Velocity

Case 8F: New 1/2 in. Amsteel II (105 lb from 57 in.)

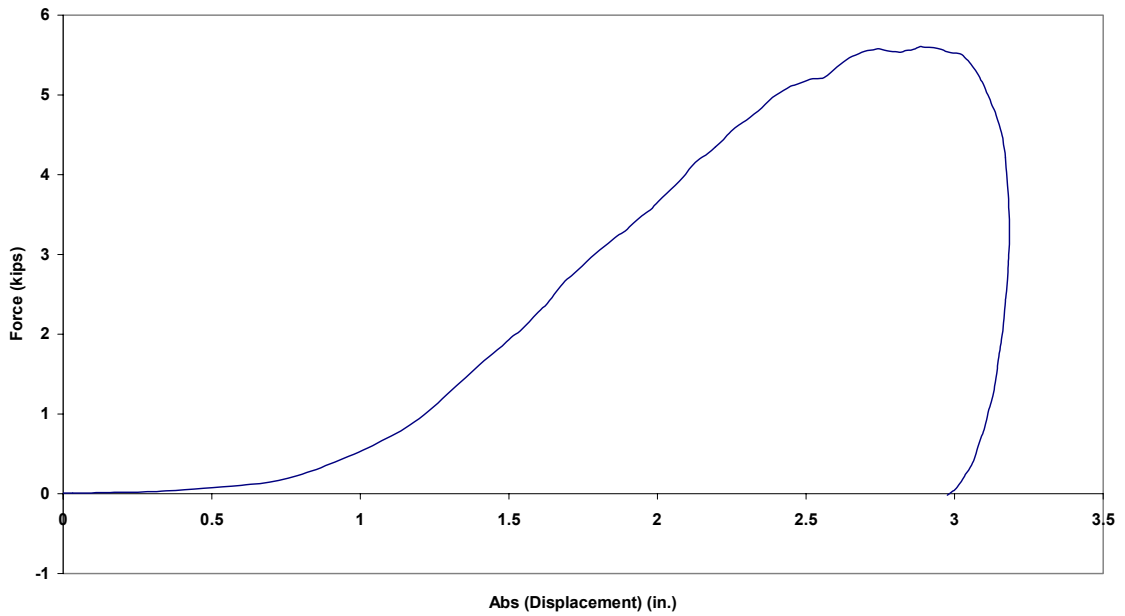


Figure B.69.4 Case 8F: Force vs. Absolute Displacement



Case 9F: New 1/2 in. Amsteel II (105 lb from 57 in.)

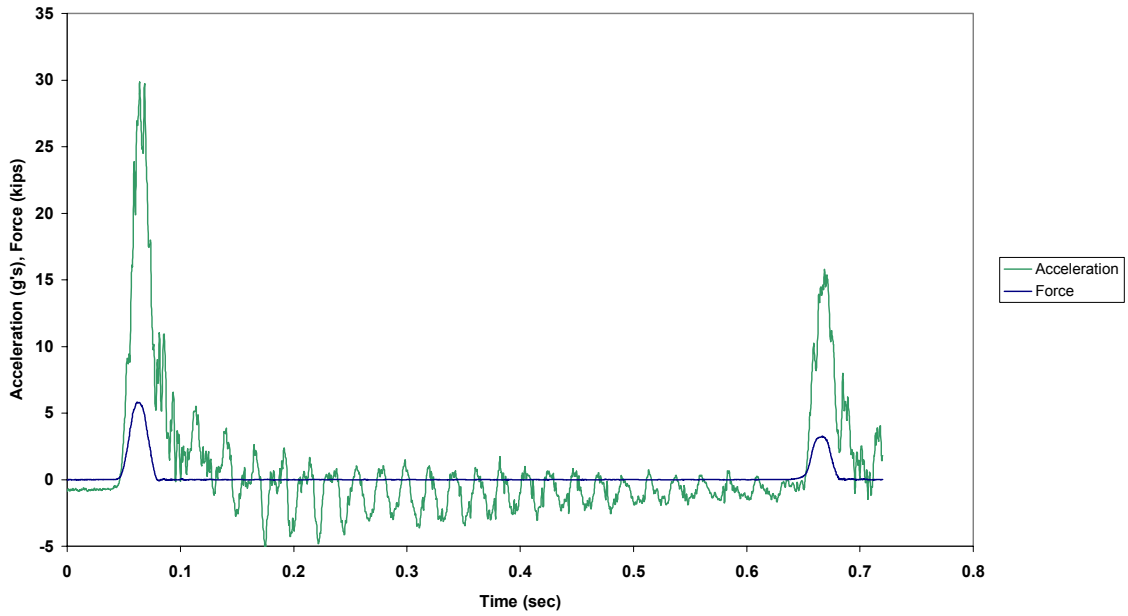


Figure B.70.1 Case 9F: Force and Acceleration vs. Time

Case 9F: New 1/2 in. Amsteel II (105 lb from 57 in.)

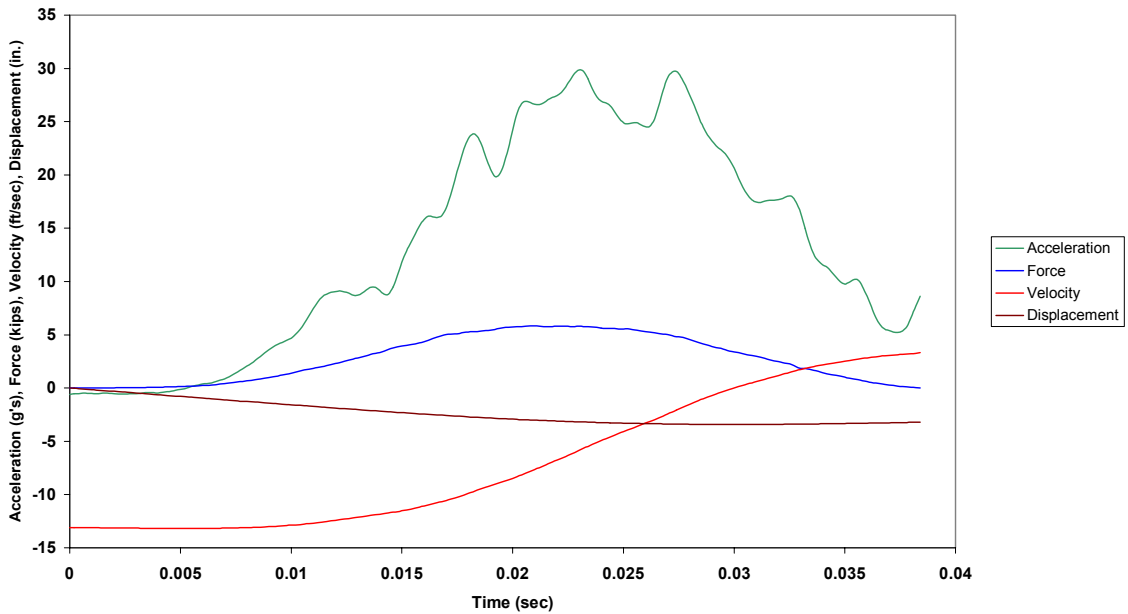


Figure B.70.2 Case 9F: Combined Plot

Case 9F: New 1/2 in. Amsteel II (105 lb from 57 in.)

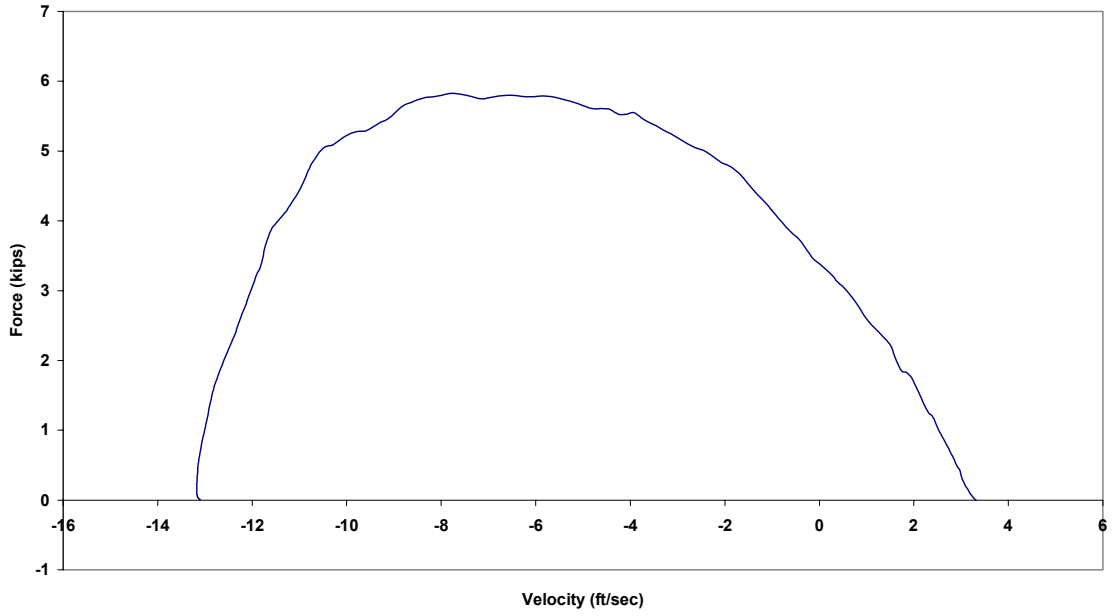


Figure B.70.3 Case 9F: Force vs. Velocity

Case 9F: New 1/2 in. Amsteel II (105 lb from 57 in.)

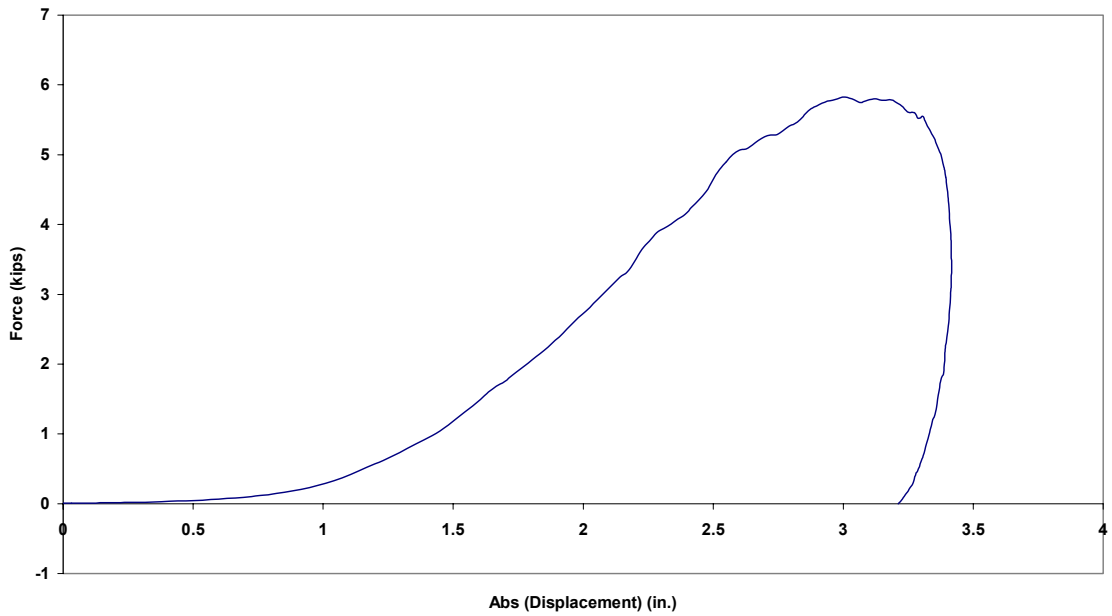


Figure B.70.4 Case 9F: Force vs. Absolute Displacement

Case 10F: New 1/2 in. Amsteel II (105 lb from 57 in.)

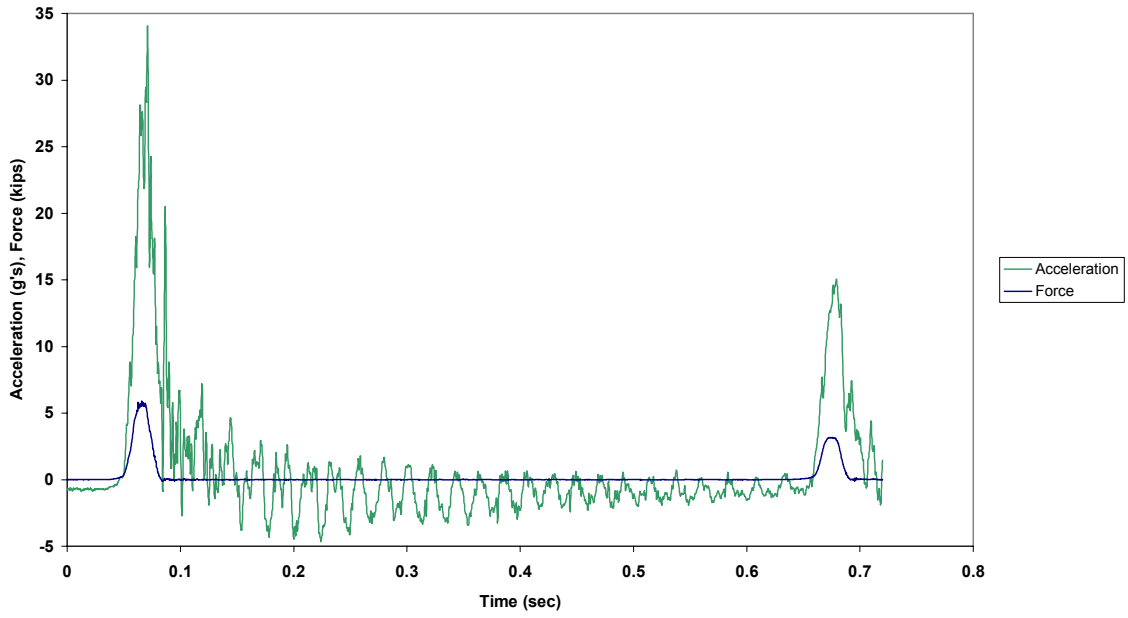


Figure B.71.1 Case 10F: Force and Acceleration vs. Time

Case 10F: New 1/2 in. Amsteel II (105 lb from 57 in.)

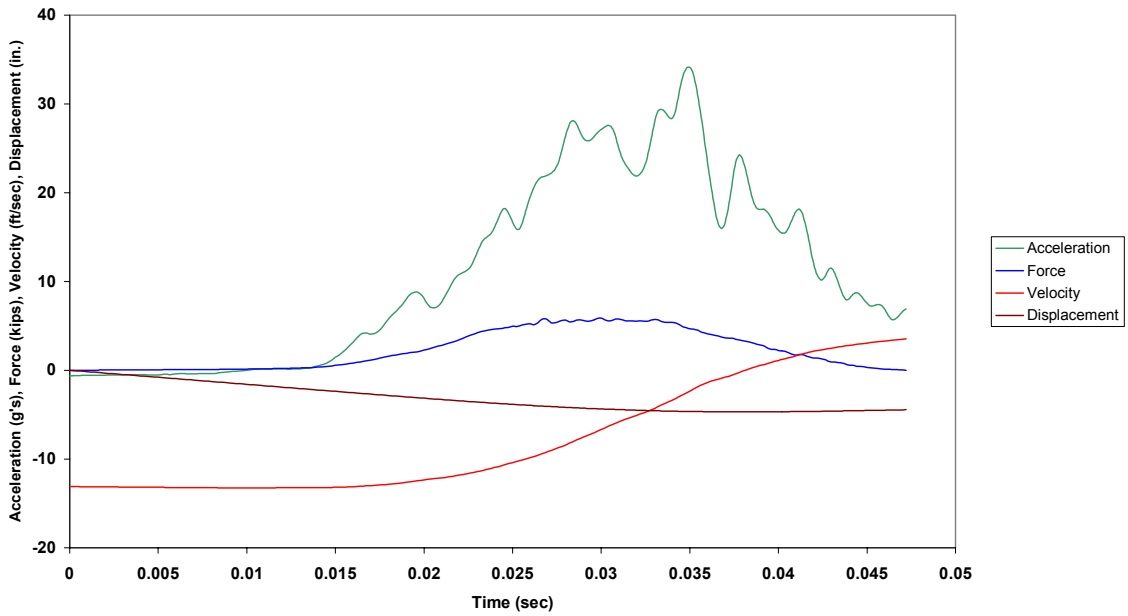


Figure B.71.2 Case 10F: Combined Plot

Case 10F: New 1/2 in. Amsteel II (105 lb from 57 in.)

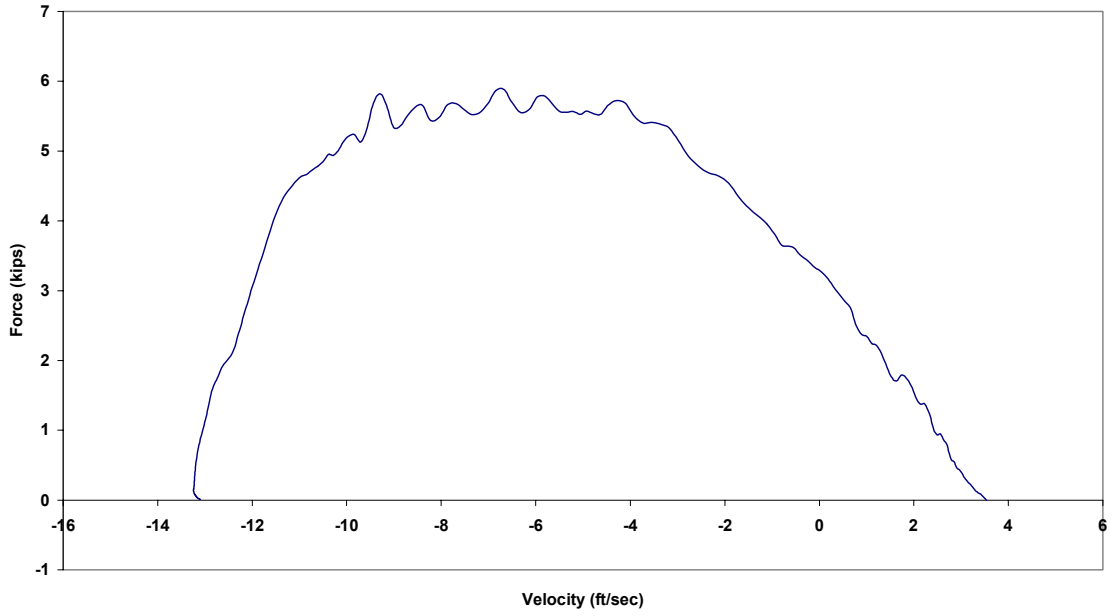


Figure B.71.3 Case 10F: Force vs. Velocity

Case 10F: New 1/2 in. Amsteel II (105 lb from 57 in.)

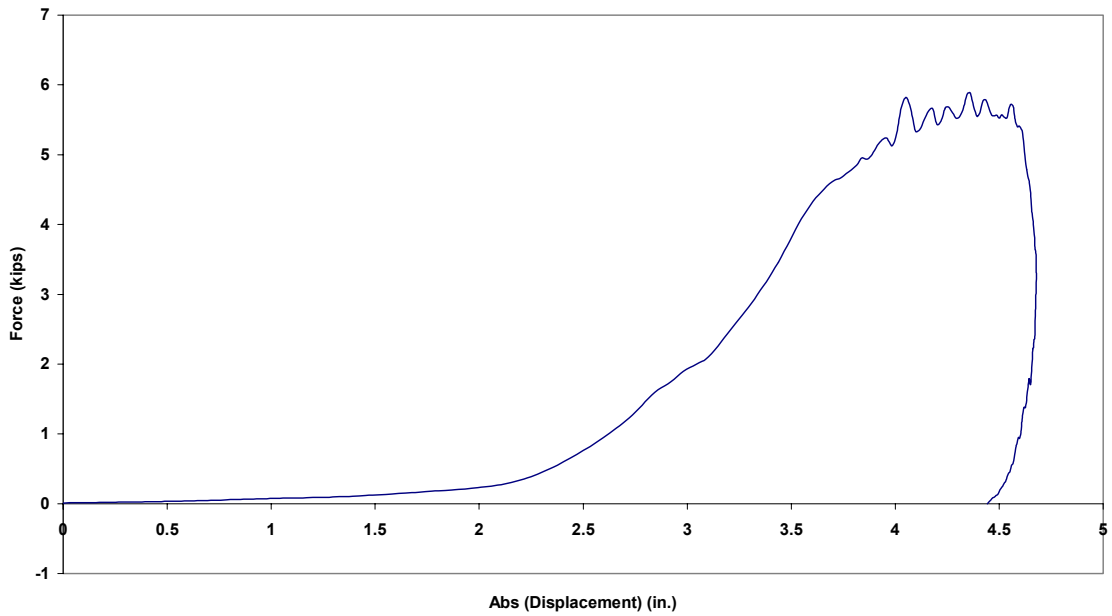


Figure B.71.4 Case 10F: Force vs. Absolute Displacement

Case 11F: New 1/2 in. Amsteel II (115 lb from 56 in.)

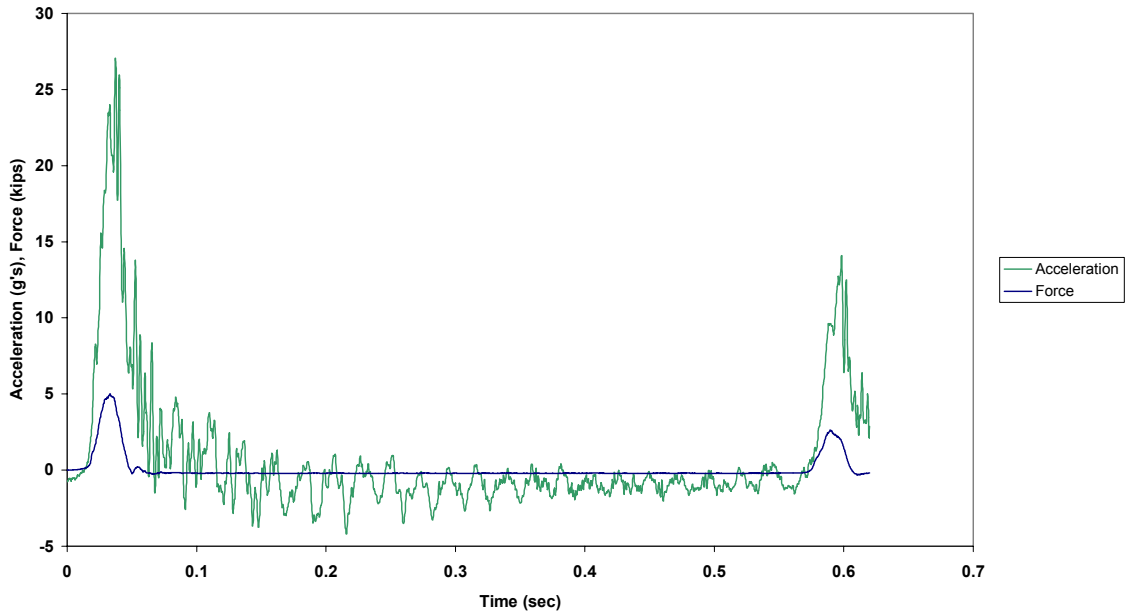


Figure B.72.1 Case 11F: Force and Acceleration vs. Time

Case 11F: New 1/2 in. Amsteel II (115 lb from 56 in.)

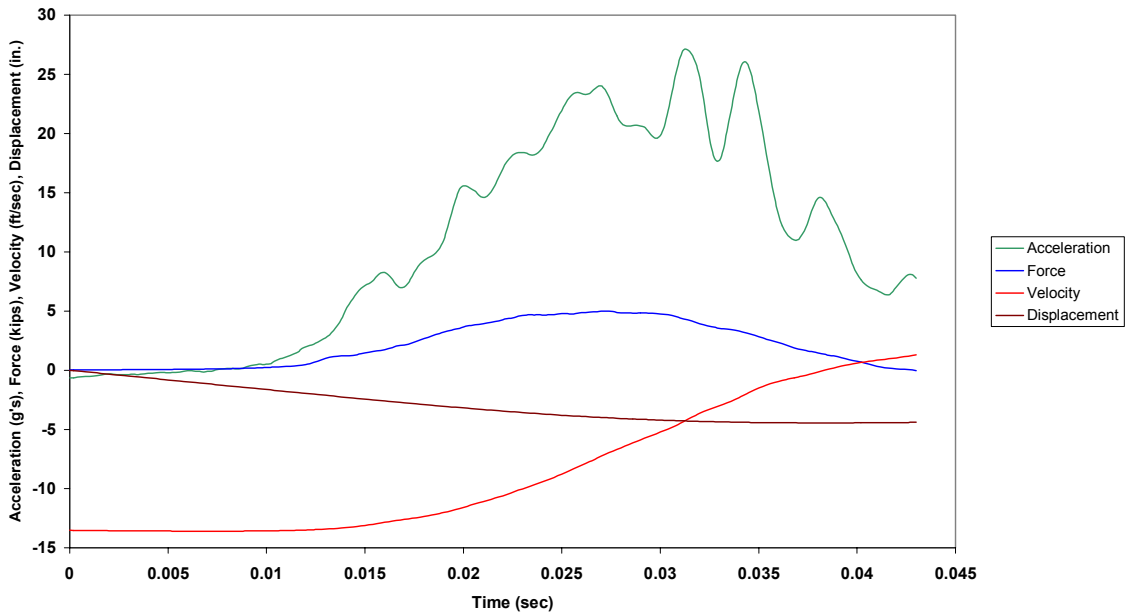


Figure B.72.2 Case 11F: Combined Plot

Case 11F: New 1/2 in. Amsteel II (115 lb from 56 in.)

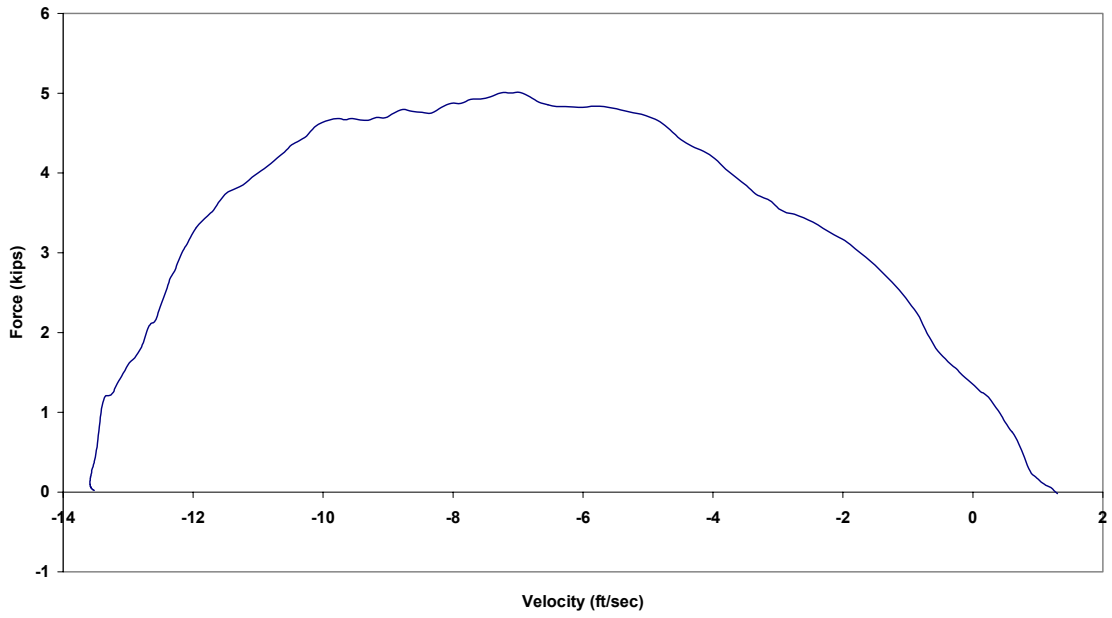


Figure B.72.3 Case 11F: Force vs. Velocity

Case 11F: New 1/2 in. Amsteel II (115 lb from 56 in.)

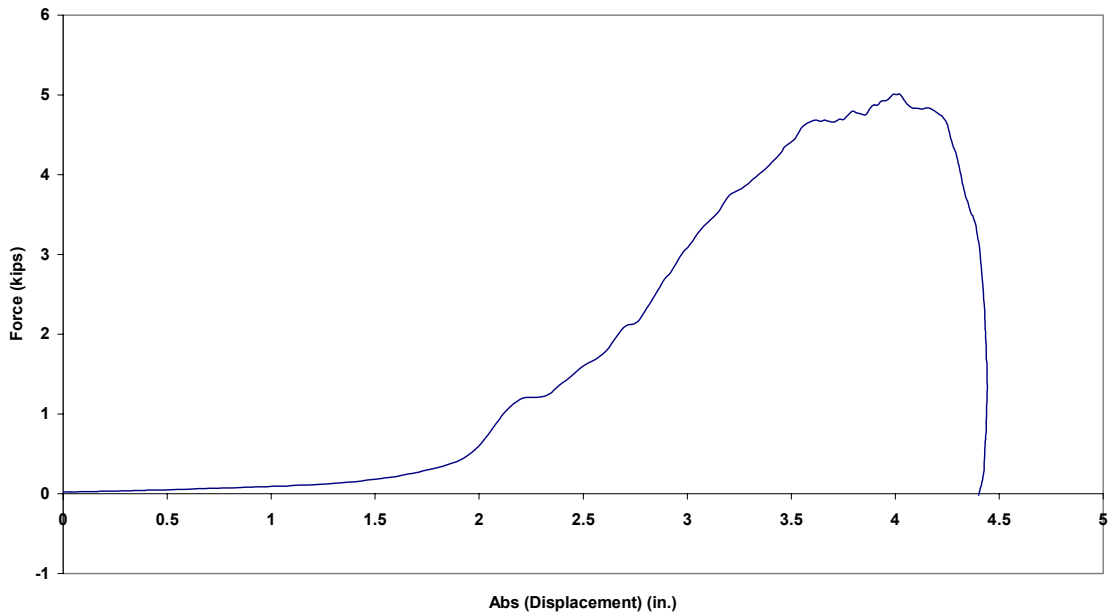


Figure B.72.4 Case 11F: Force vs. Absolute Displacement

Case 12F: New 1/2 in. Amsteel II (115 lb from 56 in.)

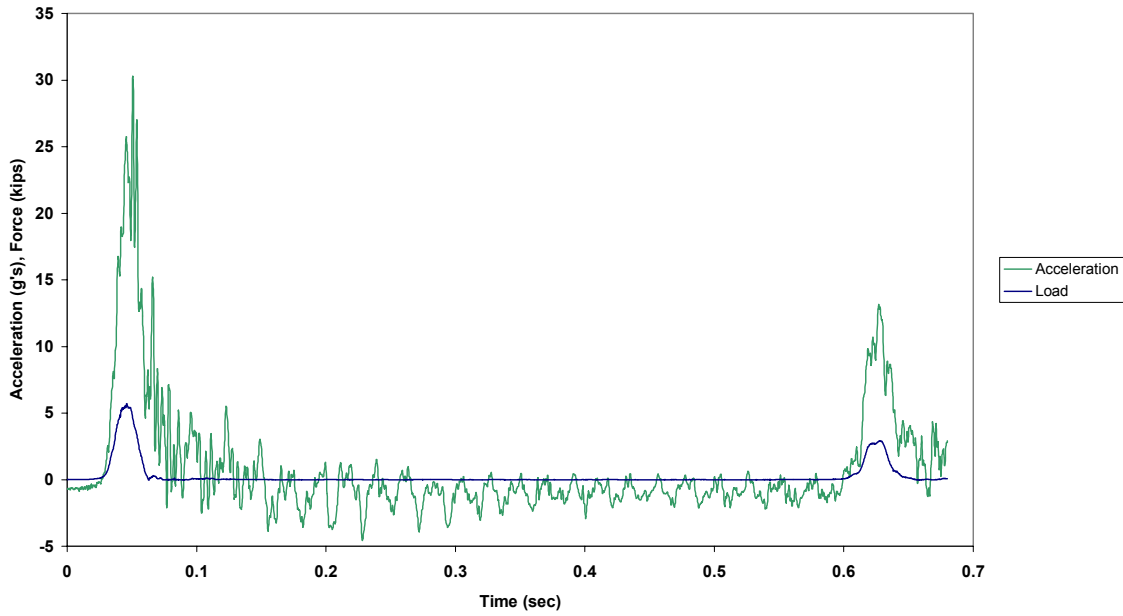


Figure B.73.1 Case 12F: Force and Acceleration vs. Time

Case 12F: New 1/2 in. Amsteel II (115 lb from 56 in.)

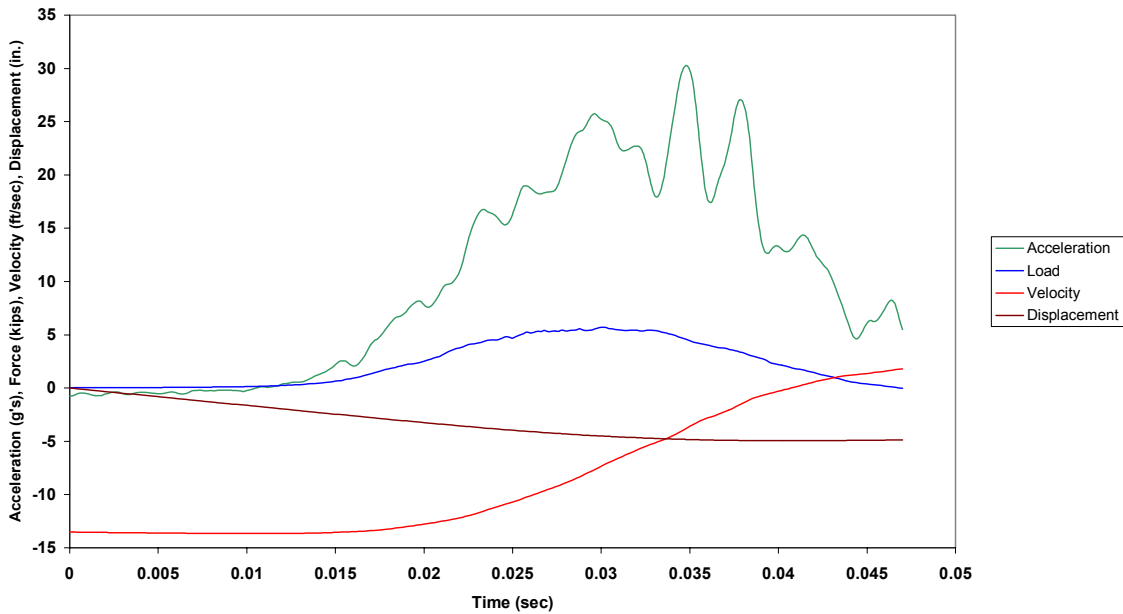


Figure B.73.2 Case 12F: Combined Plot

Case 12F: New 1/2 in. Amsteel II (115 lb from 56 in.)

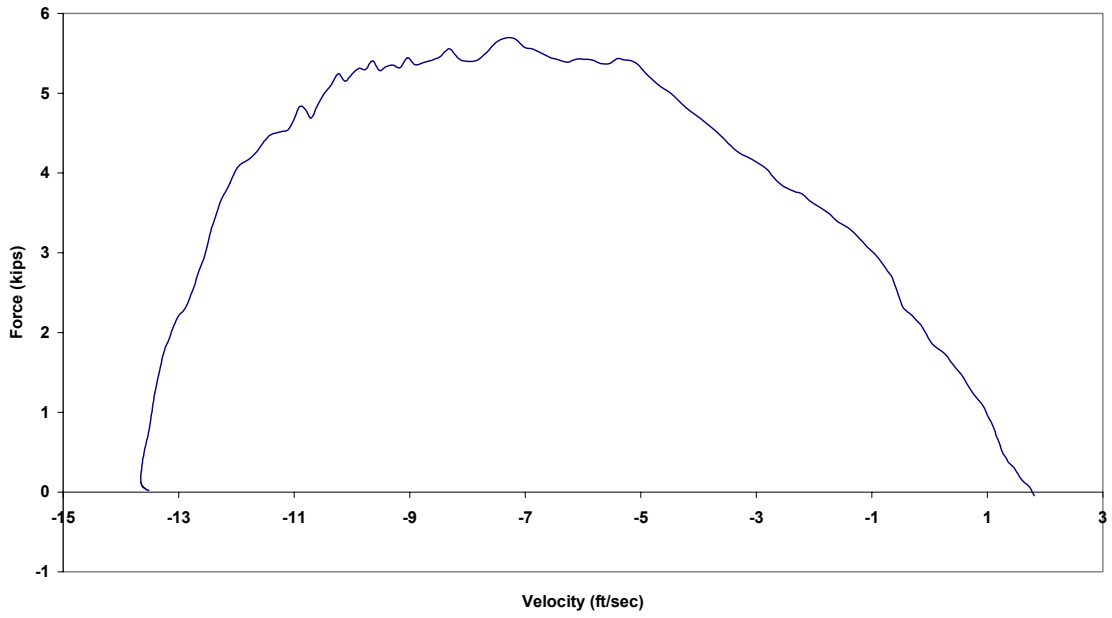


Figure B.73.3 Case 12F: Force vs. Velocity

Case 12F: New 1/2 in. Amsteel II (115 lb from 56 in.)

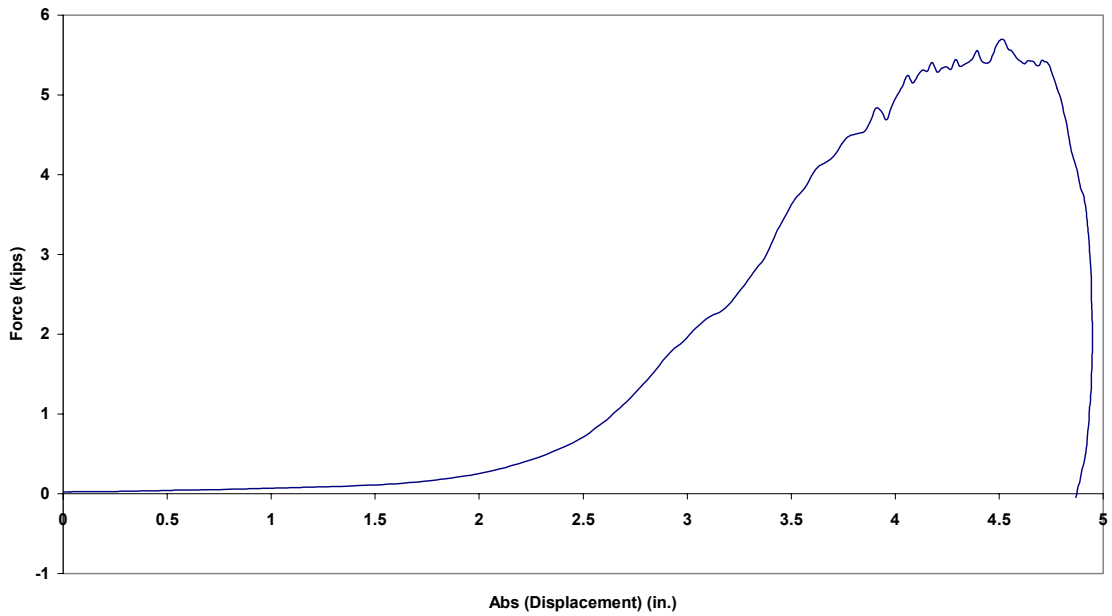


Figure B.73.4 Case 12F: Force vs. Absolute Displacement



Case 13F: New 1/2 in. Amsteel II (115 lb from 56 in.)

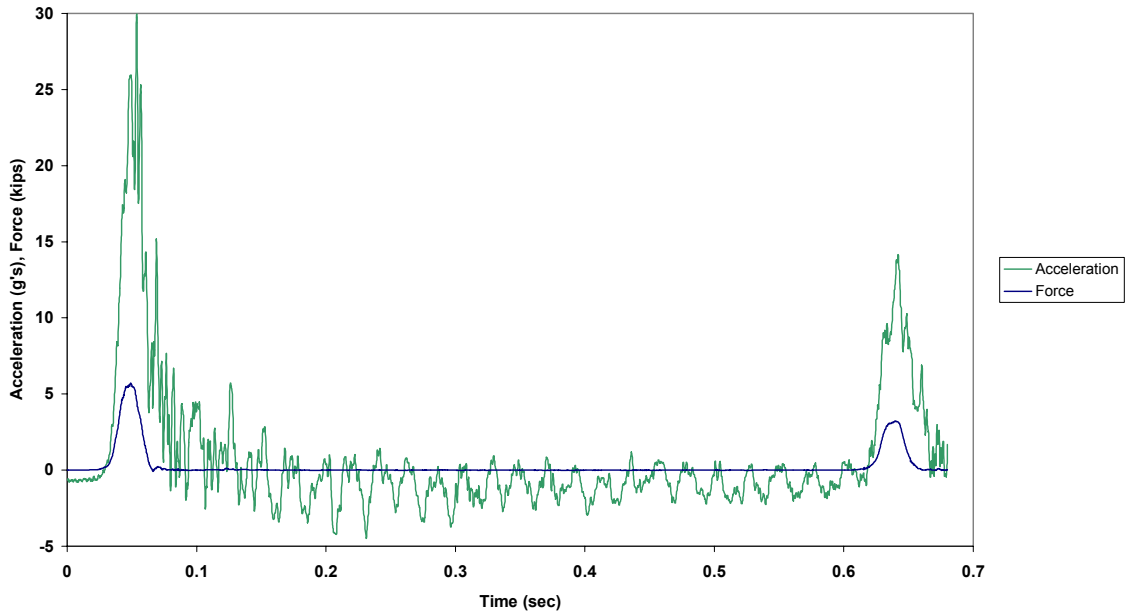


Figure B.74.1 Case 13F: Force and Acceleration vs. Time

Case 13F: New 1/2 in. Amsteel II (115 lb from 56 in.)

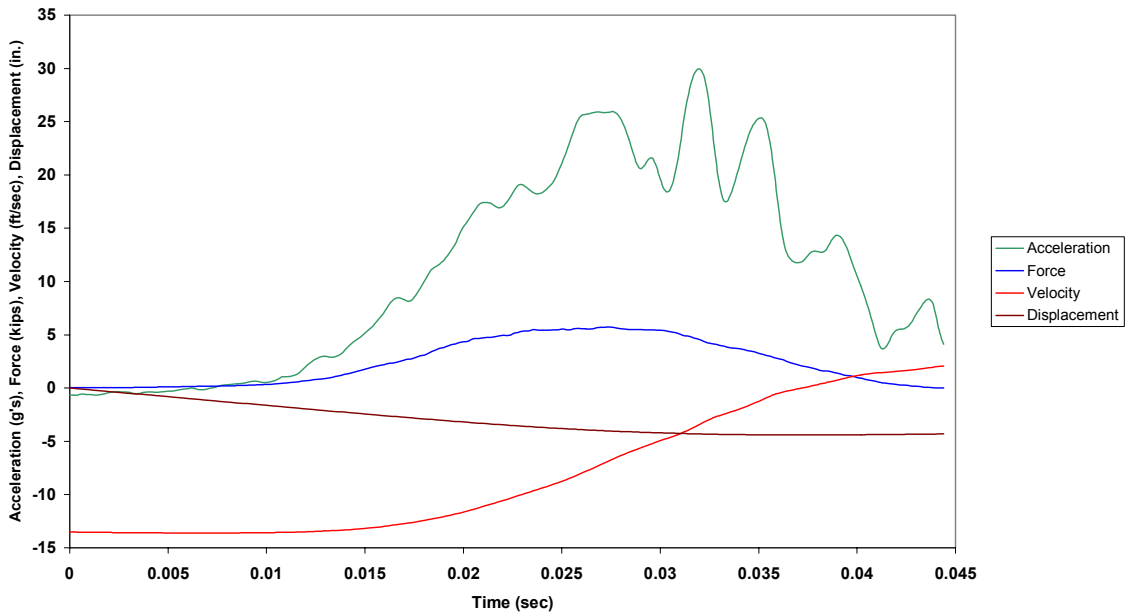


Figure B.74.2 Case 13F: Combined Plot

Case 13F: New 1/2 in. Amsteel II (115 lb from 56 in.)

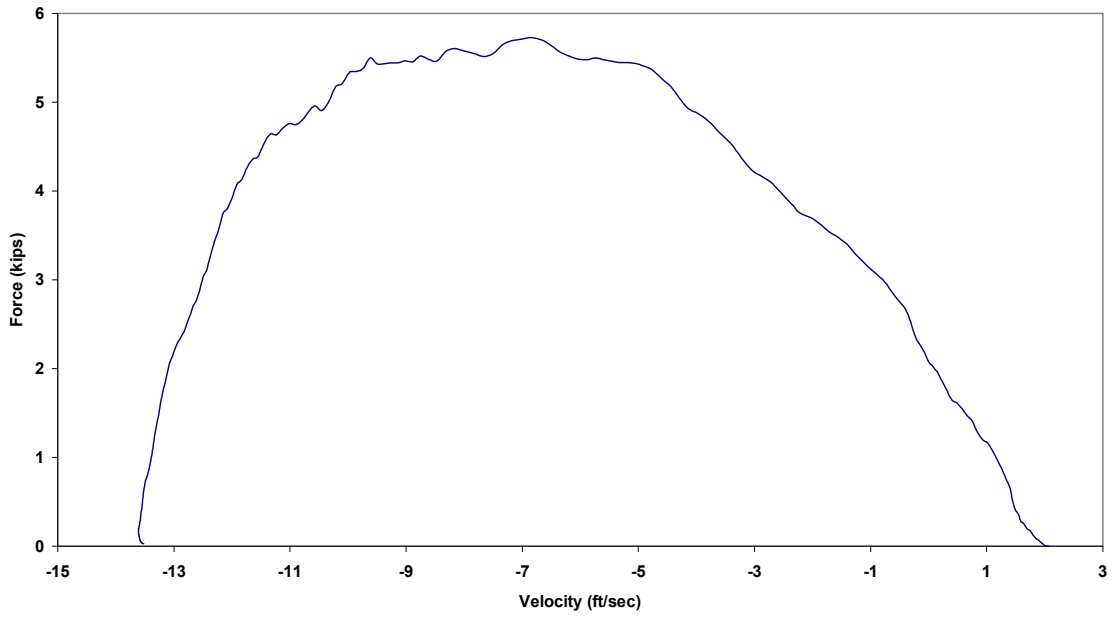


Figure B.74.3 Case 13F: Force vs. Velocity

Case 13F: New 1/2 in. Amsteel II (115 lb from 56 in.)

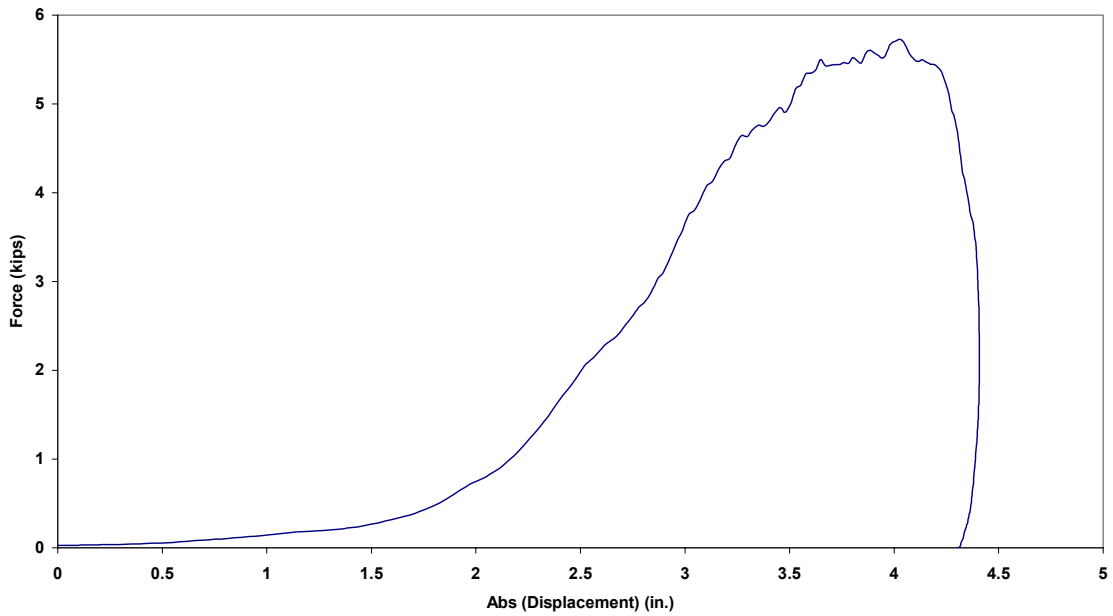


Figure B.74.4 Case 13F: Force vs. Absolute Displacement

Case 14F: New 1/2 in. Amsteel II (105 lb from 56 in.)

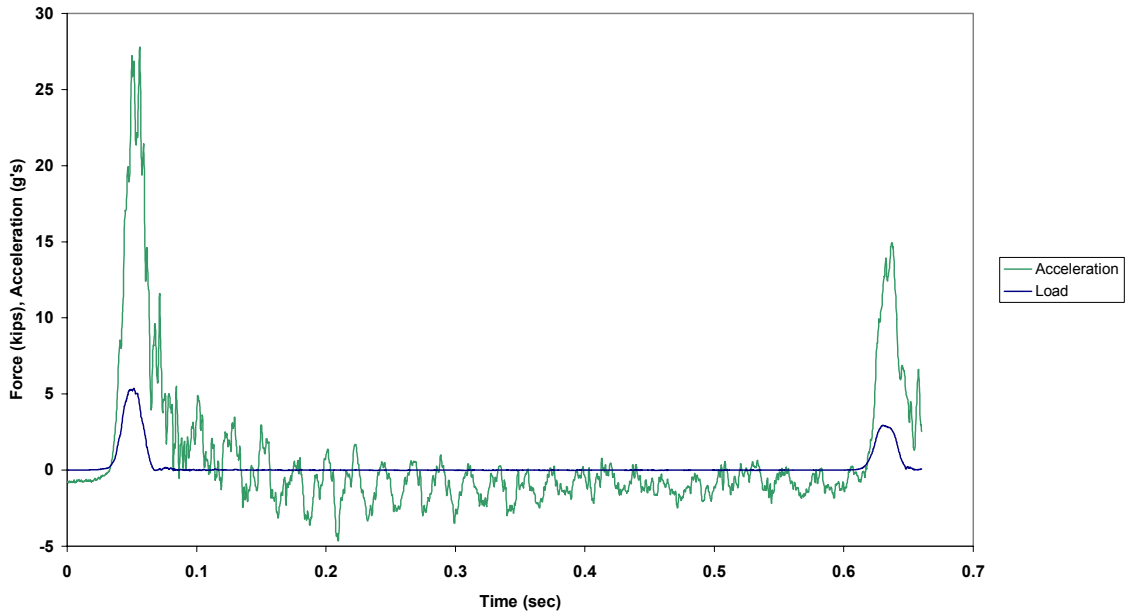


Figure B.75.1 Case 14F: Force and Acceleration vs. Time

Case 14F: New 1/2 in. Amsteel II (105 lb from 56 in.)

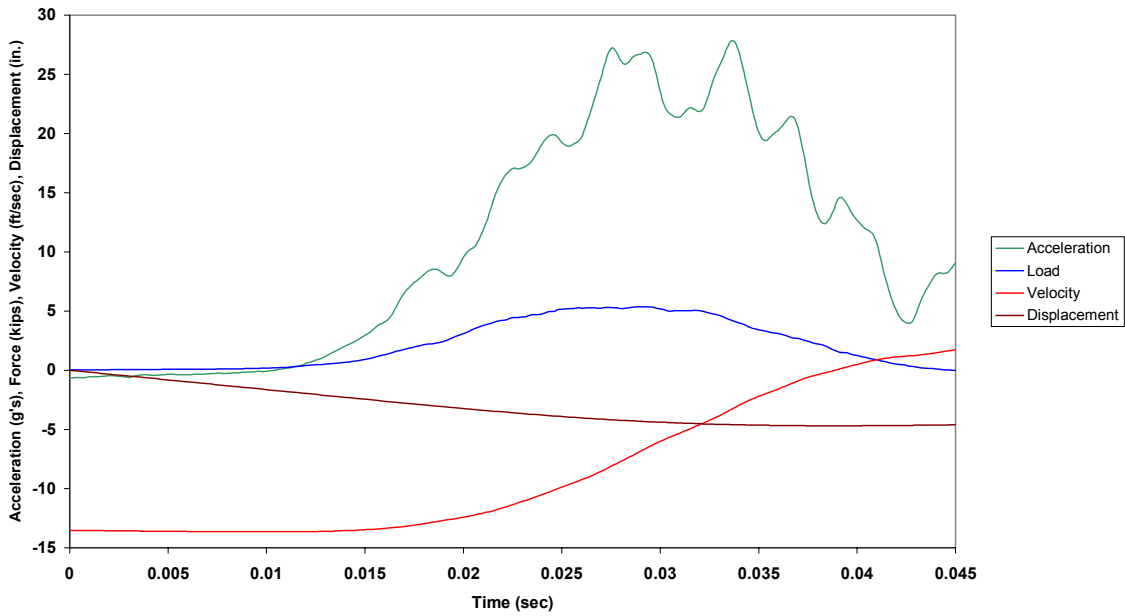


Figure B.75.2 Case 14F: Combined Plot

Case 14F: New 1/2 in. Amsteel II (105 lb from 56 in.)

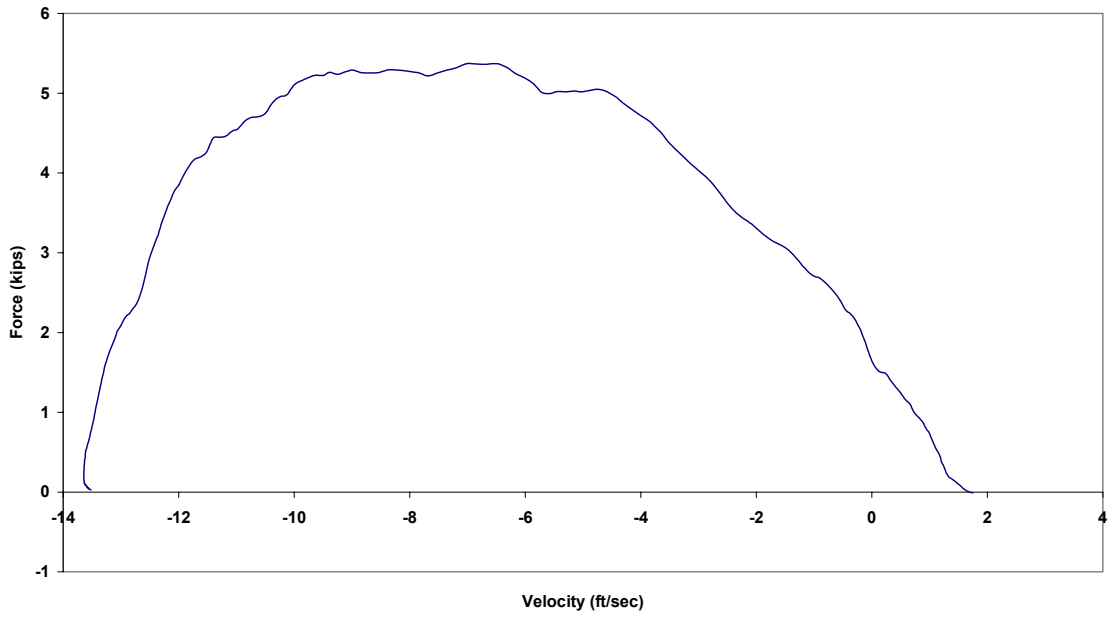


Figure B.75.3 Case 14F: Force vs. Velocity

Case 14F: New 1/2 in. Amsteel II (105 lb from 56 in.)

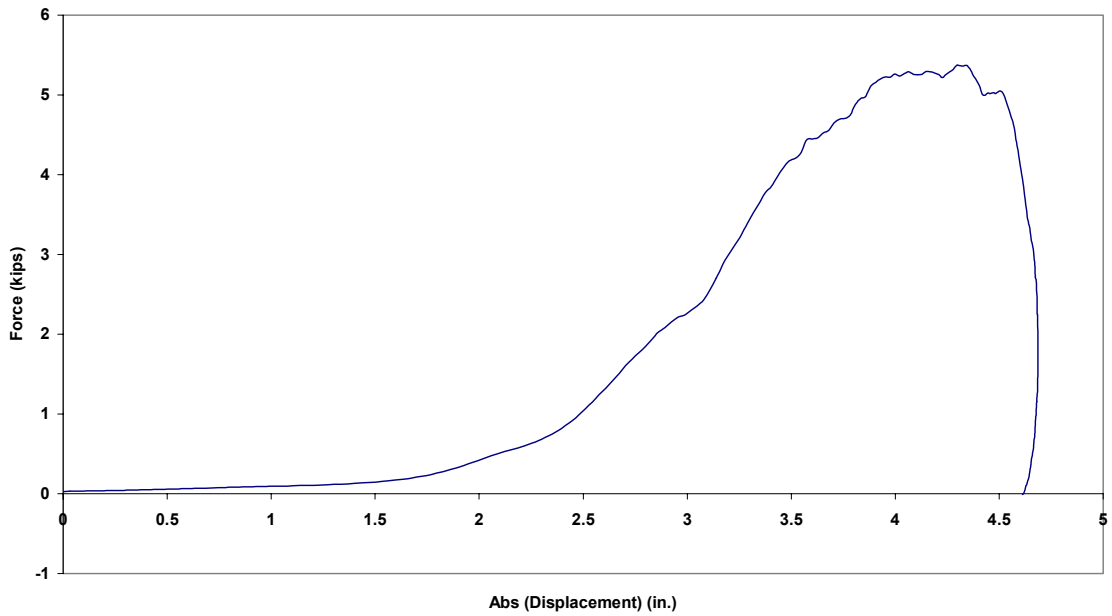


Figure B.75.4 Case 14F: Force vs. Absolute Displacement

Case 15F: New 1/2 in. Amsteel II (85 lb from 56 in.)

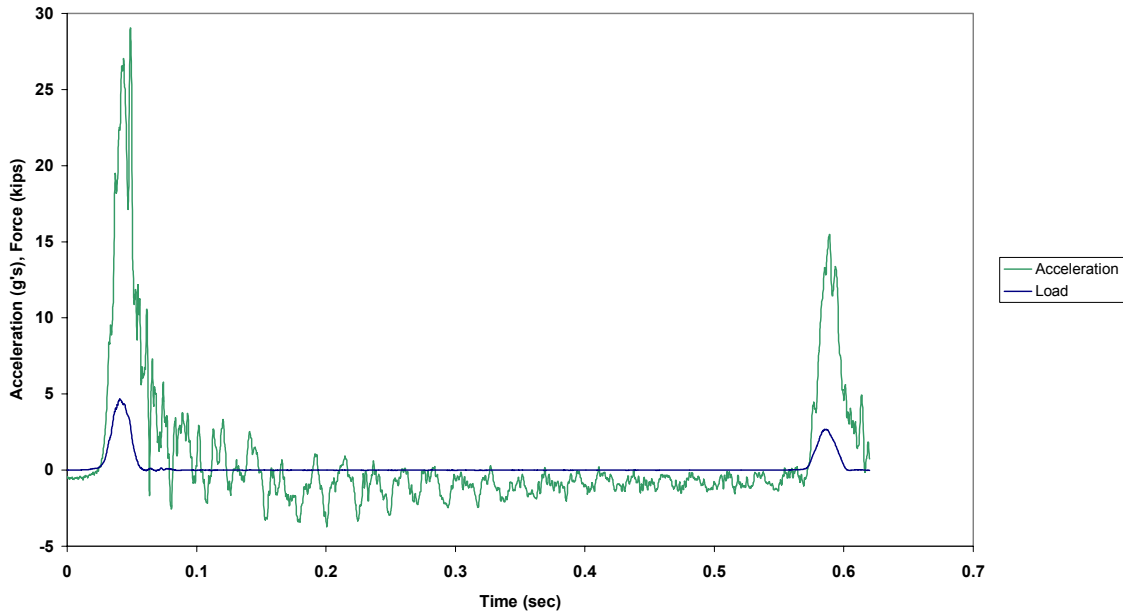


Figure B.76.1 Case 15F: Force and Acceleration vs. Time

Case 15F: New 1/2 in. Amsteel II (85 lb from 56 in.)

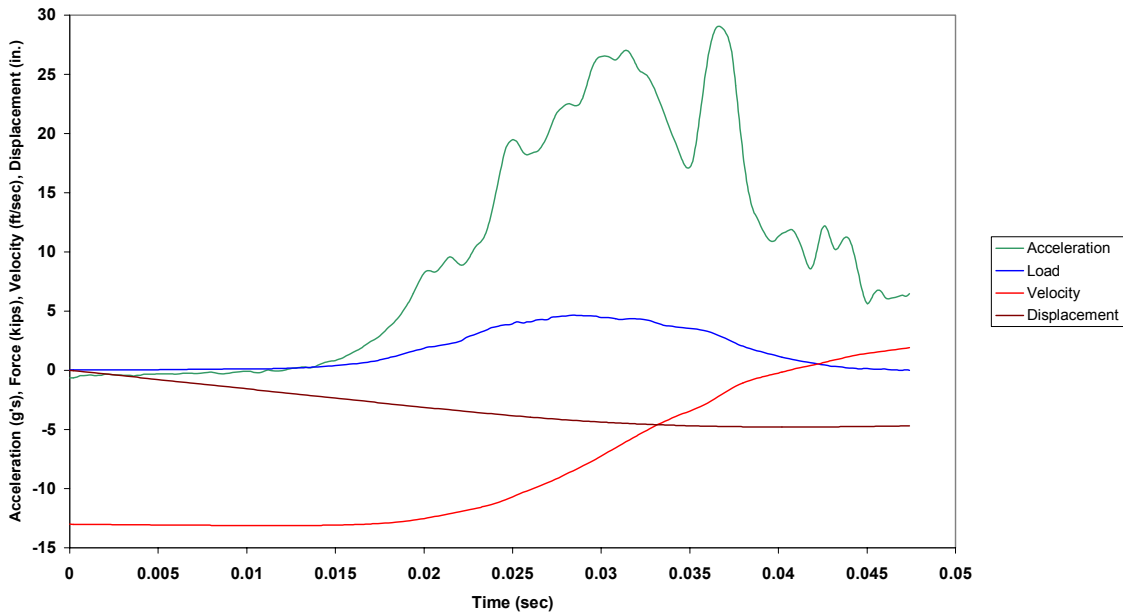


Figure B.76.2 Case 15F: Combined Plot

Case 15F: New 1/2 in. Amsteel II (85 lb from 56 in.)

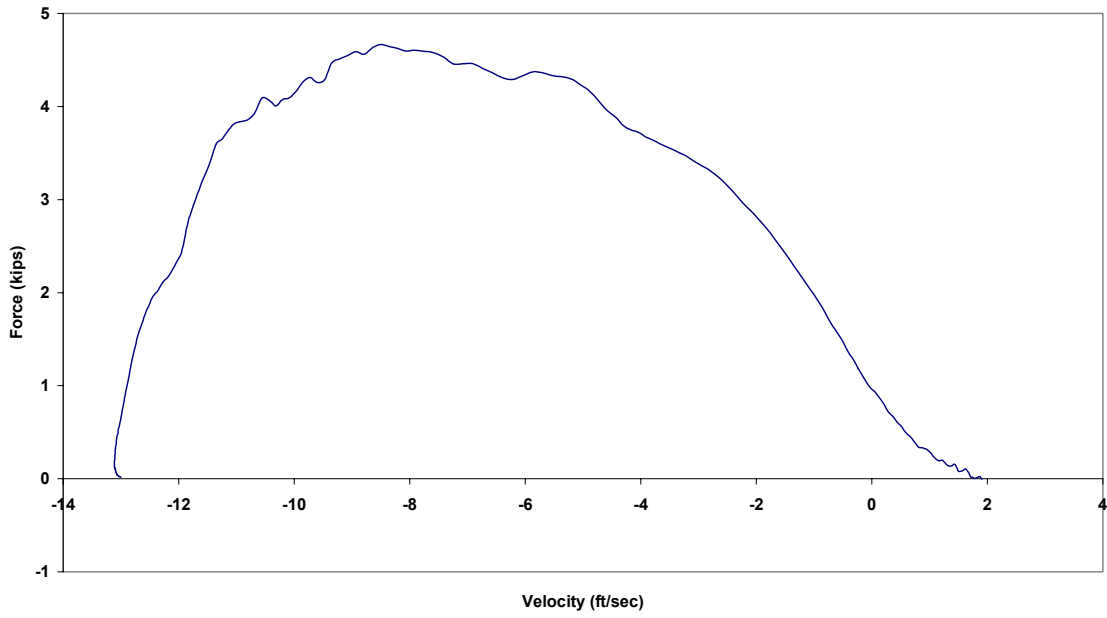


Figure B.76.3 Case 15F: Force vs. Velocity

Case 15F: New 1/2 in. Amsteel II (85 lb from 56 in.)

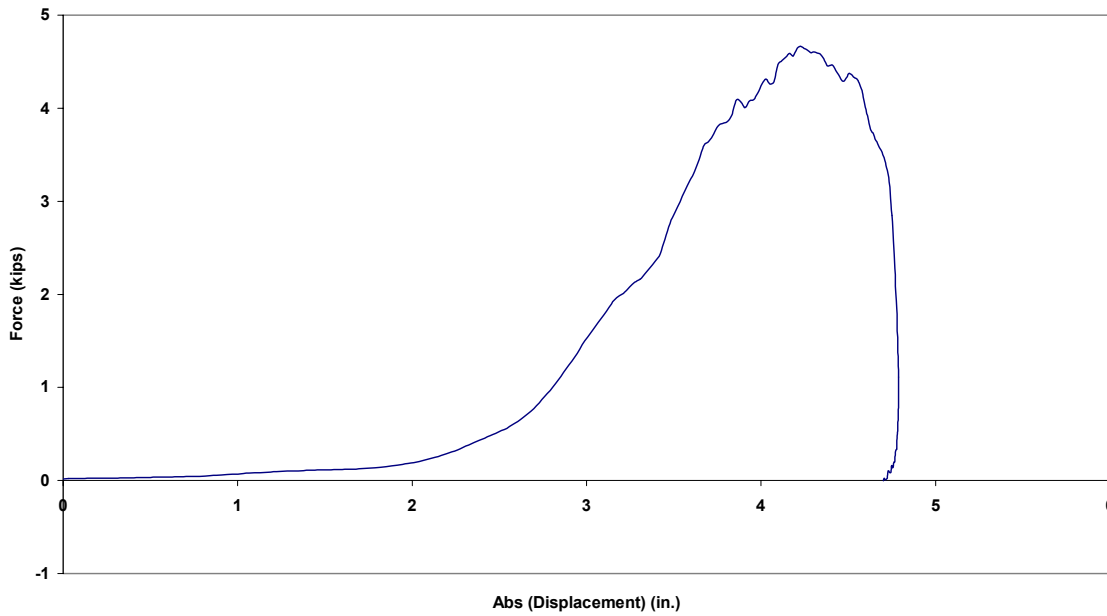


Figure B.76.4 Case 15F: Force vs. Absolute Displacement

Case 16F: New 1/2 in. Amsteel II (65 lb from 56 in.)

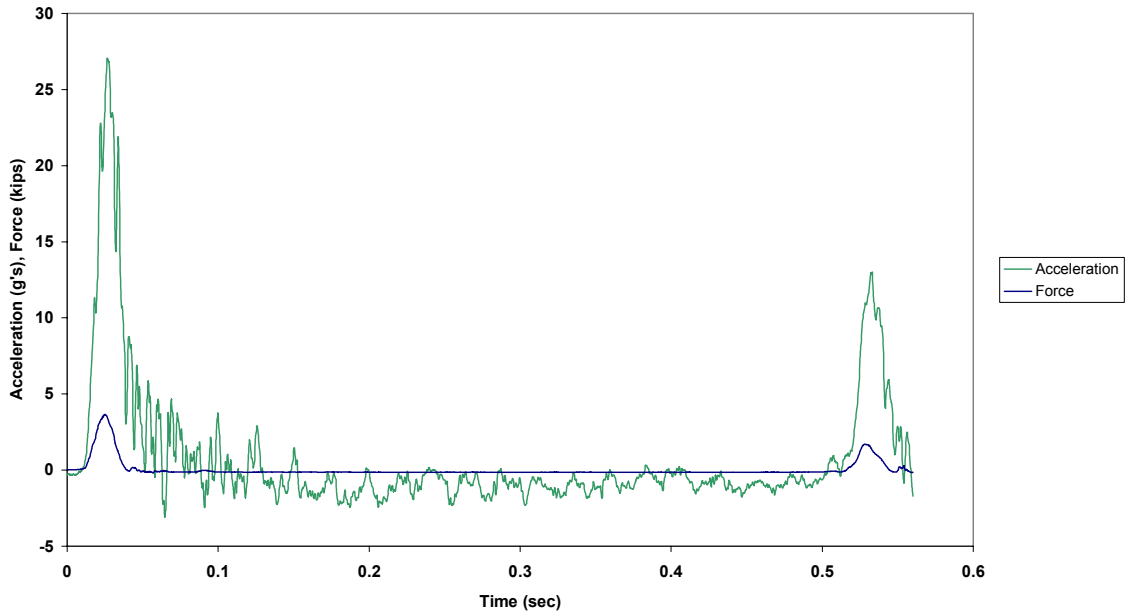


Figure B.77.1 Case 16F: Force and Acceleration vs. Time

Case 16F: New 1/2 in. Amsteel II (65 lb from 56 in.)

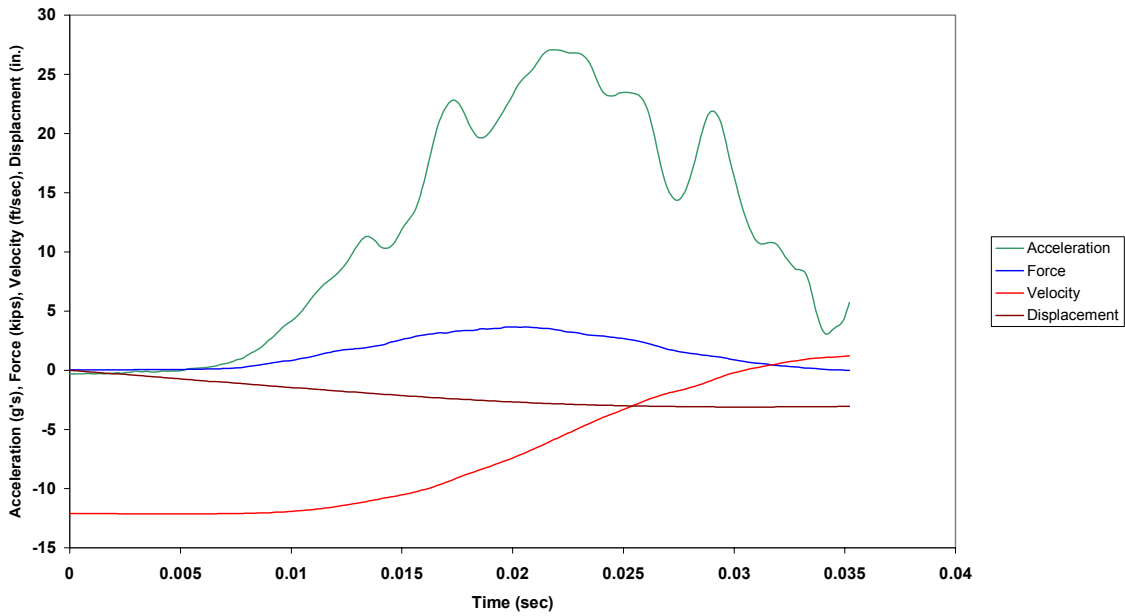


Figure B.77.2 Case 16F: Combined Plot

Case 16F: New 1/2 in. Amsteel II (65 lb from 56 in.)

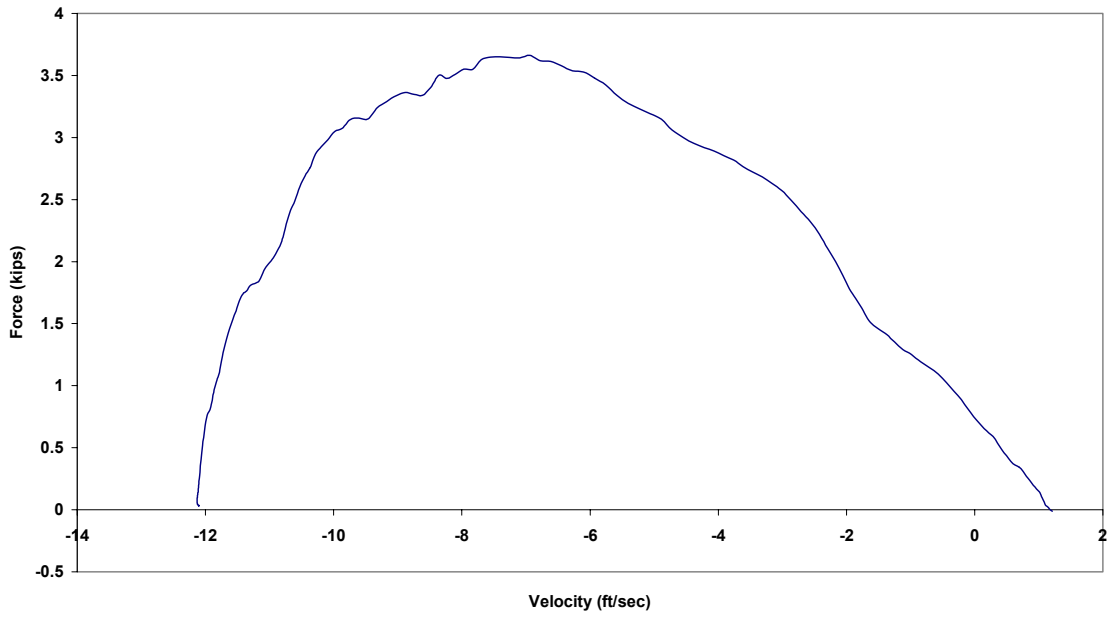


Figure B.77.3 Case 16F: Force vs. Velocity

Case 16F: New 1/2 in. Amsteel II (65 lb from 56 in.)

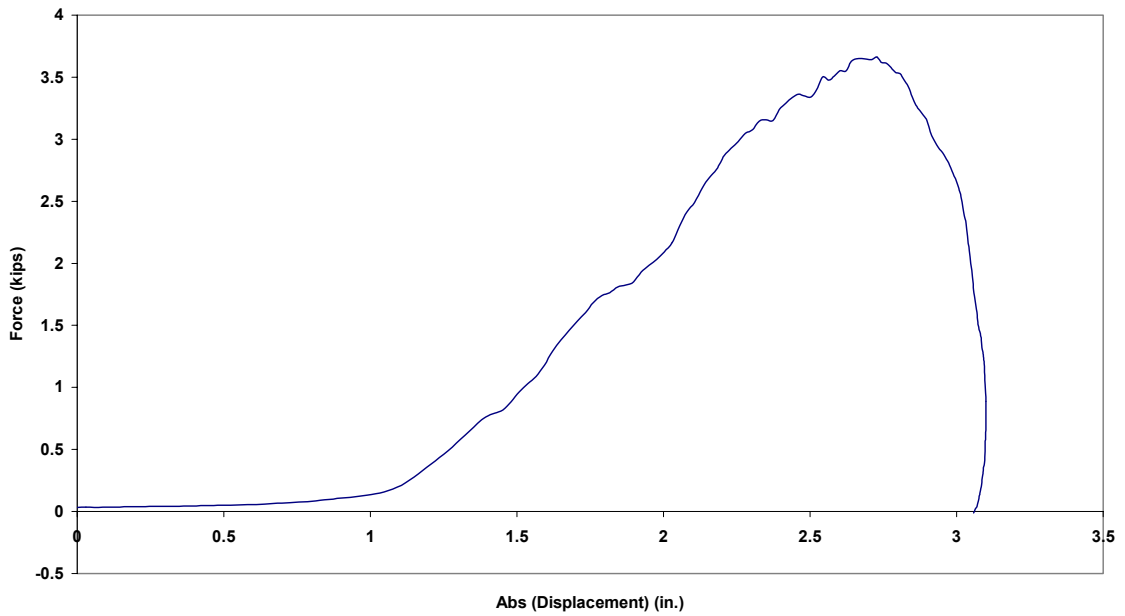


Figure B.77.4 Case 16F: Force vs. Absolute Displacement



Case 17F: New 1/2 in. Amsteel II (45 lb from 56 in.)

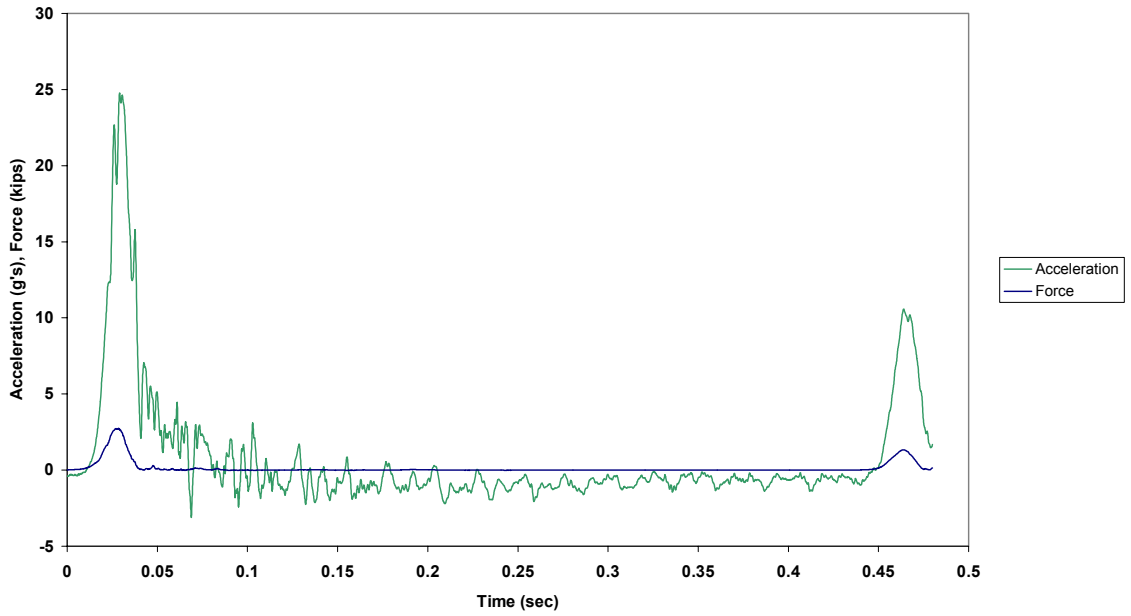


Figure B.78.1 Case 17F: Force and Acceleration vs. Time

Case 17F: New 1/2 in. Amsteel II (45 lb from 56 in.)

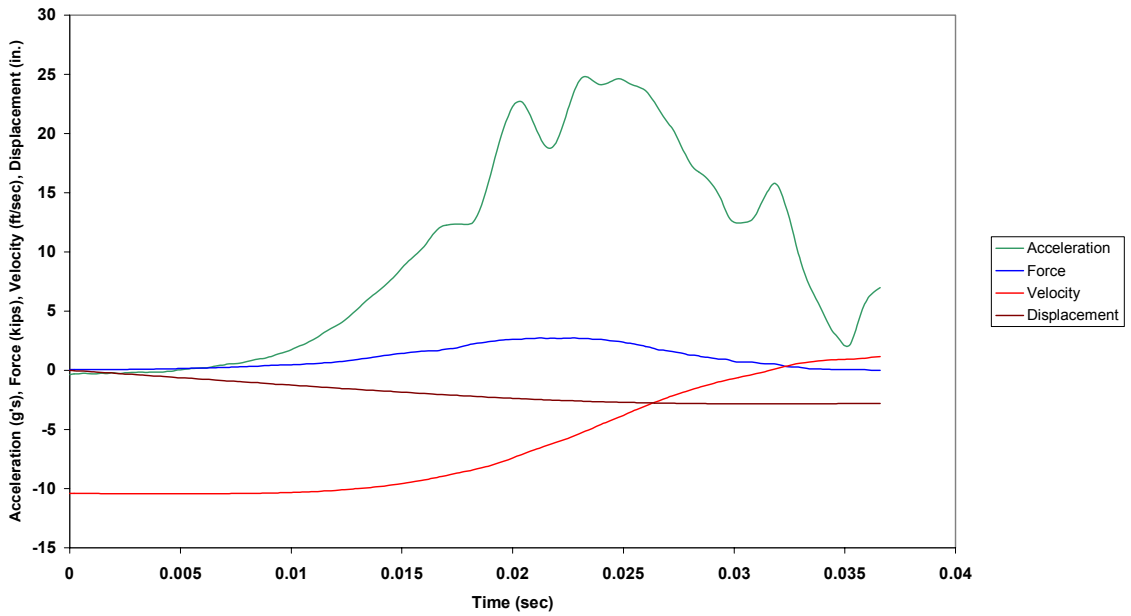


Figure B.78.2 Case 17F: Combined Plot

Case 17F: New 1/2 in. Amsteel II (45 lb from 56 in.)

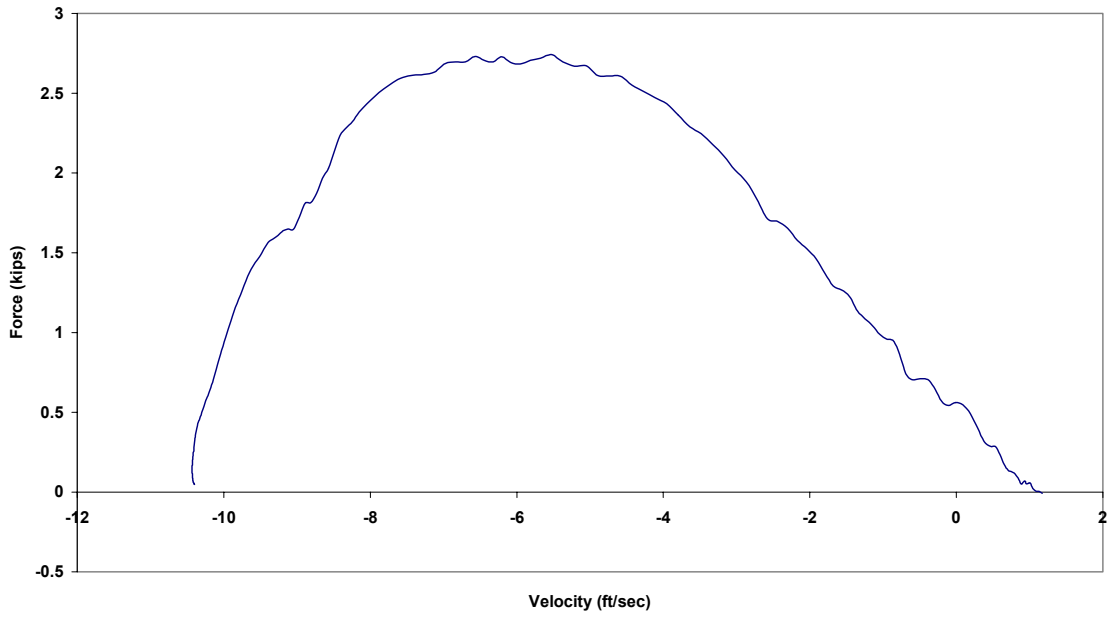


Figure B.78.3 Case 17F: Force vs. Velocity

Case 17F: New 1/2 in. Amsteel II (45 lb from 56 in.)

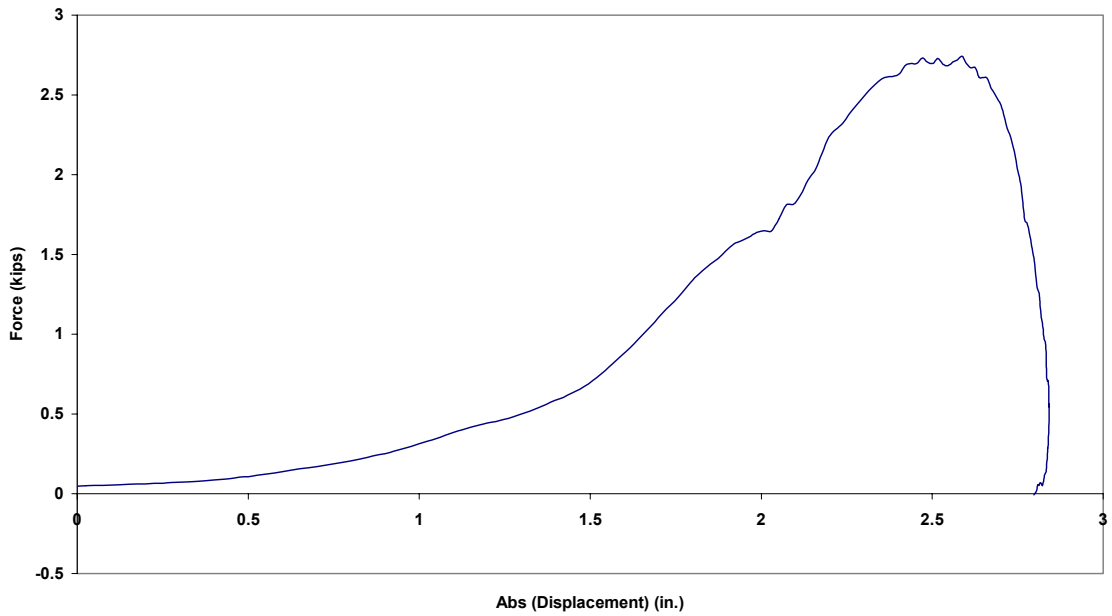


Figure B.78.4 Case 17F: Force vs. Absolute Displacement

Case 1G: Precycled 3/8 in. Amsteel II (65 lb from 97 in.)

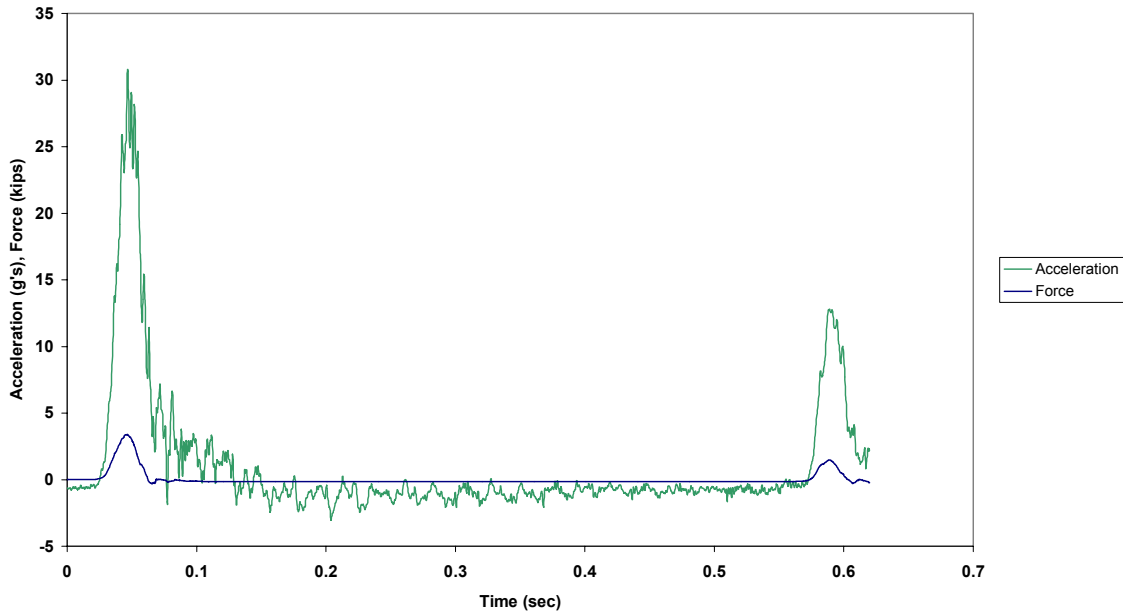


Figure B.79.1 Case 1G: Force and Acceleration vs. Time

Case 1G: Precycled 3/8 in. Amsteel II (65 lb from 97 in.)

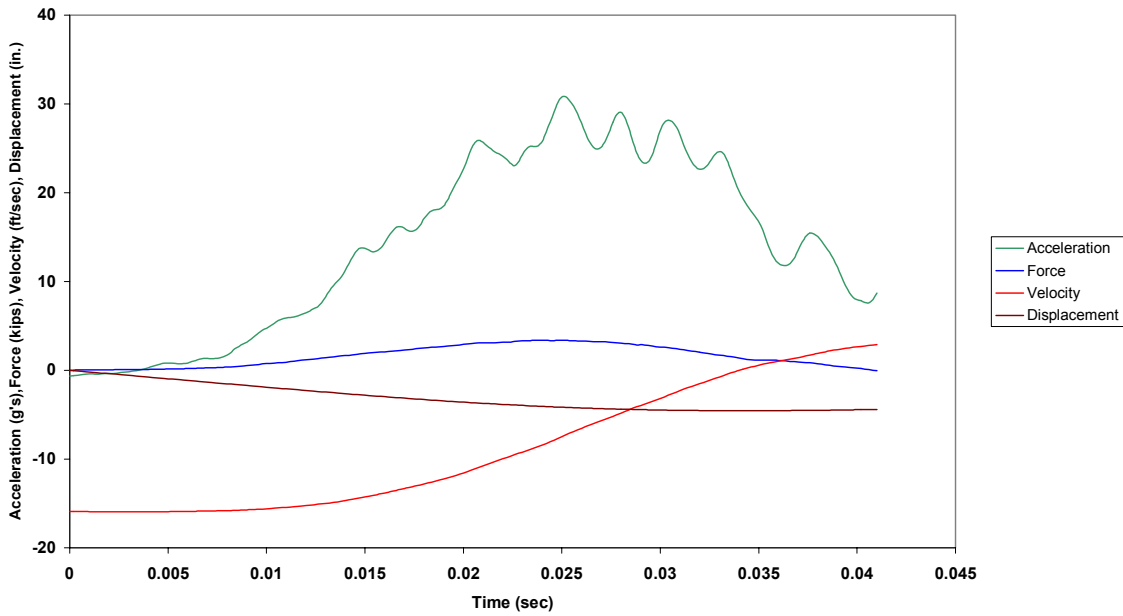


Figure B.79.2 Case 1G: Combined Plot

Case 1G: Precycled 3/8 in. Amsteel II (65 lb from 97 in.)

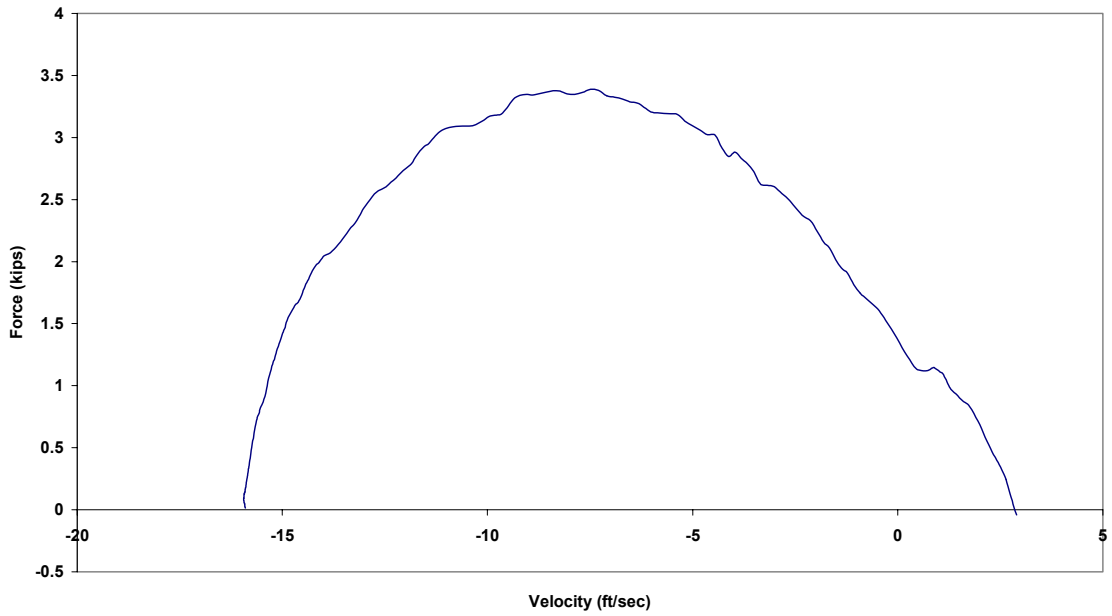


Figure B.79.3 Case 1G: Force vs. Velocity

Case 1G: Precycled 3/8 in. Amsteel II (65 lb from 97 in.)

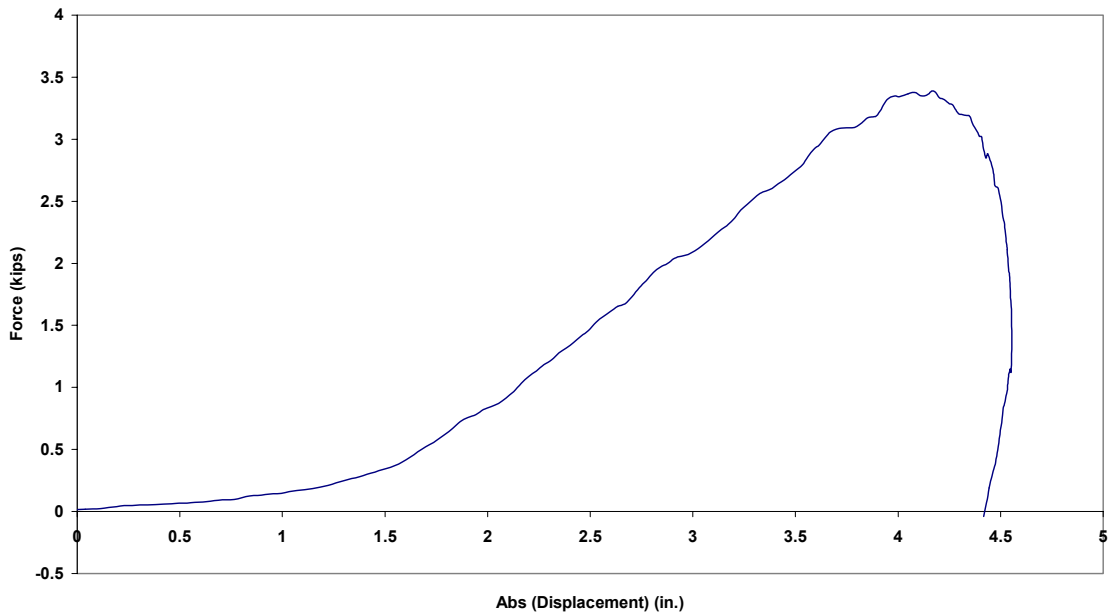


Figure B.79.4 Case 1G: Force vs. Absolute Displacement

Case 2G: Precycled 3/8 in. Amsteel II (65 lb from 91 in.)

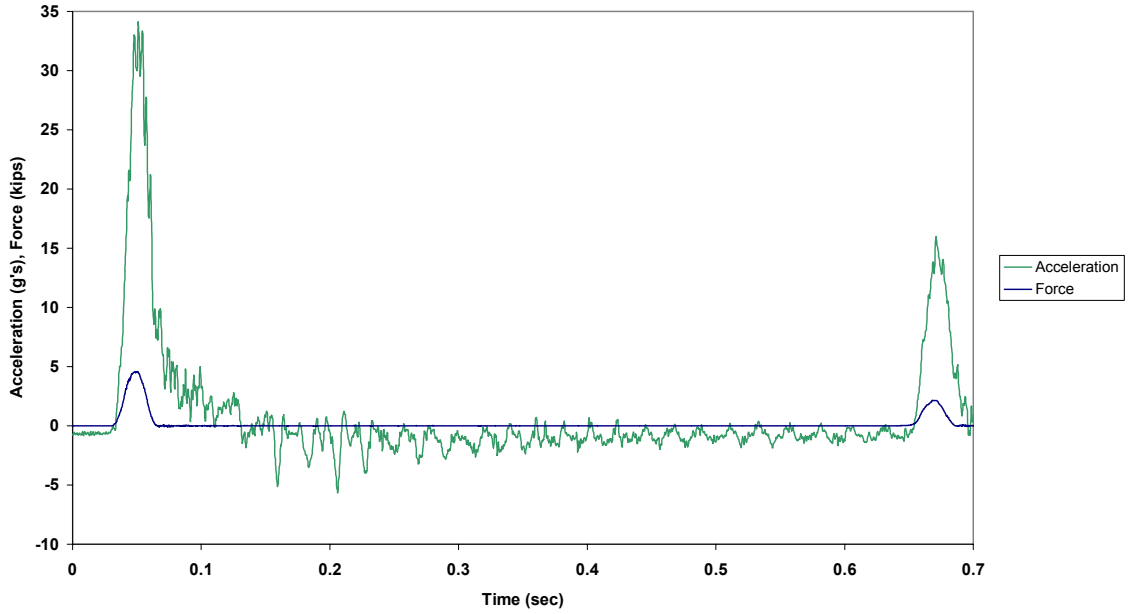


Figure B.80.1 Case 2G: Force and Acceleration vs. Time

Case 2G: Precycled 3/8 in. Amsteel II (65 lb from 91 in.)

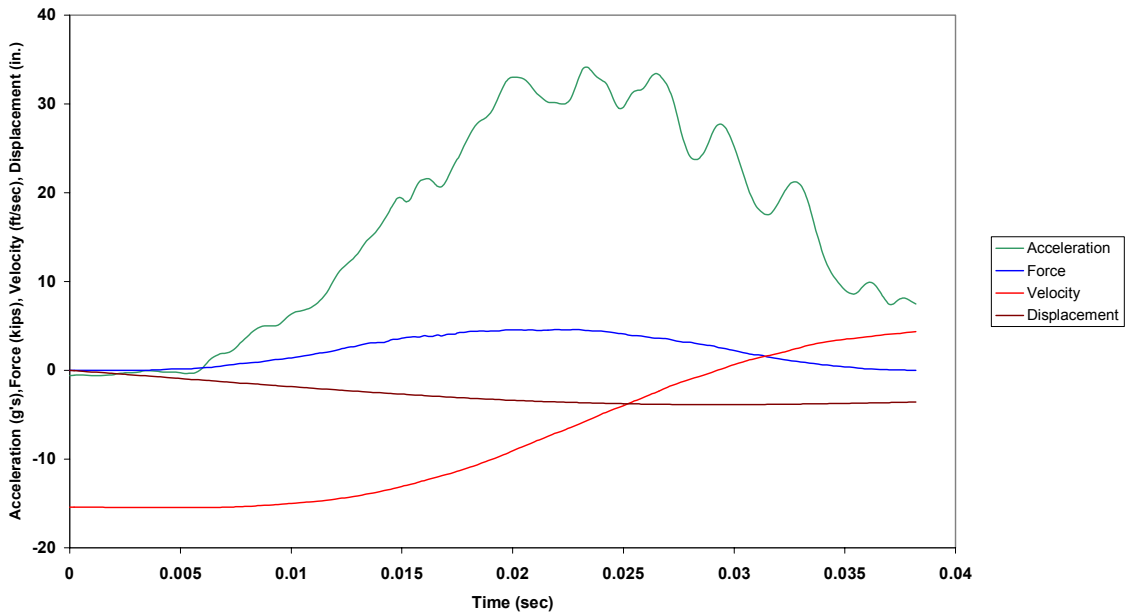


Figure B.80.2 Case 2G: Combined Plot

Case 2G: Precycled 3/8 in. Amsteel II (65 lb from 91 in.)

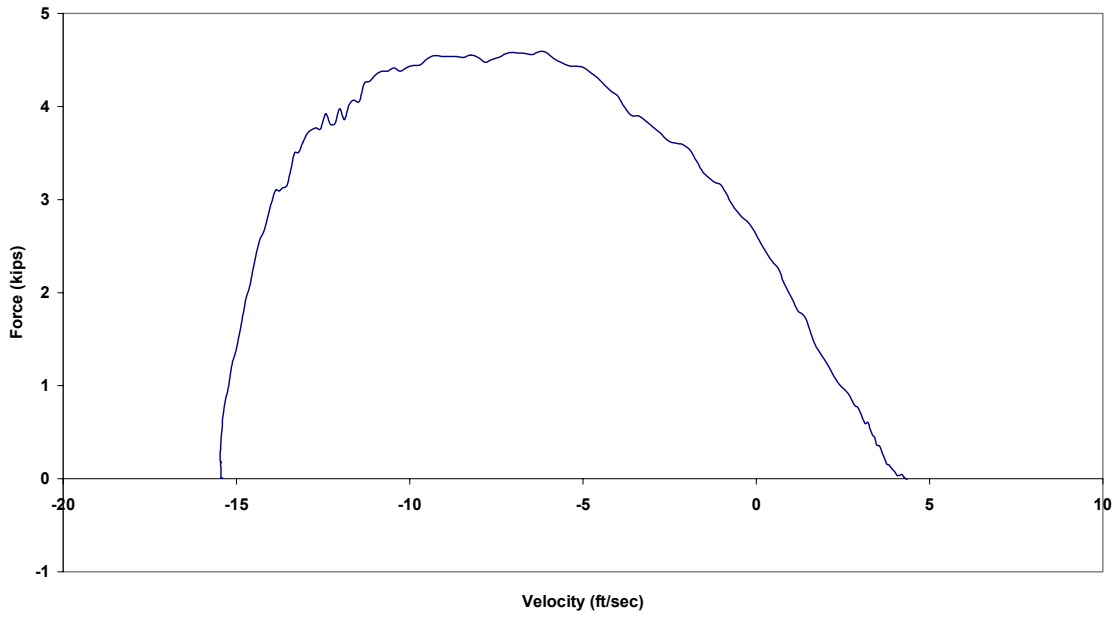


Figure B.80.3 Case 2G: Force vs. Velocity

Case 2G: Precycled 3/8 in. Amsteel II (65 lb from 91 in.)

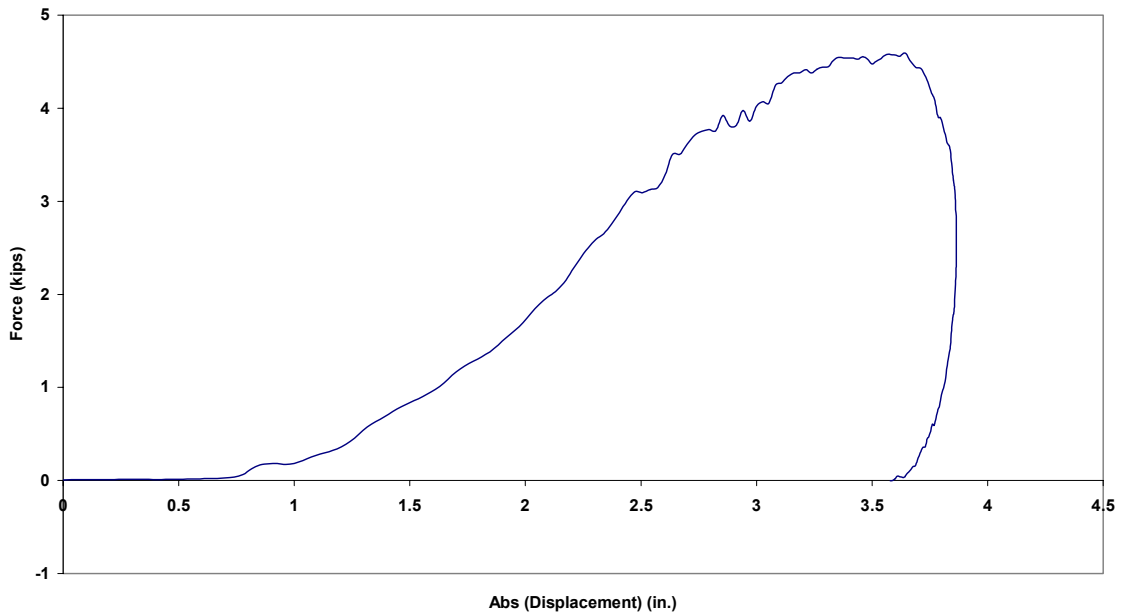


Figure B.80.4 Case 2G: Force vs. Absolute Displacement

Case 3G: Precycled 3/8 in. Amsteel II (65 lb from 85 in.)

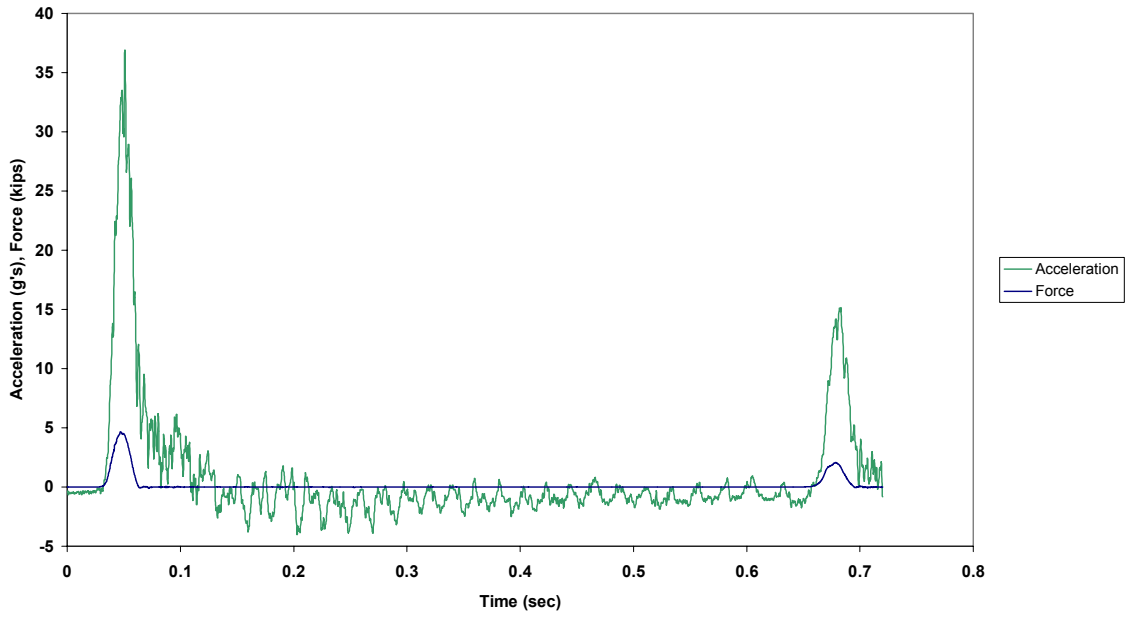


Figure B.81.1 Case 3G: Force and Acceleration vs. Time

Case 3G: Precycled 3/8 in. Amsteel II (65 lb from 85 in.)

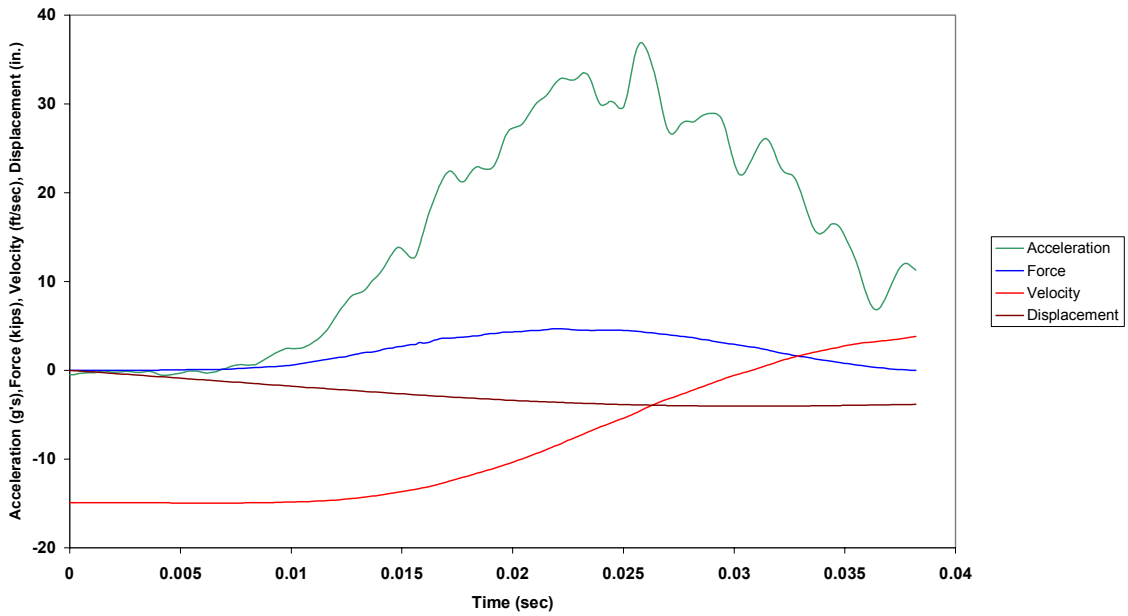


Figure B.81.2 Case 3G: Combined Plot

Case 3G: Precycled 3/8 in. Amsteel II (65 lb from 85 in.)

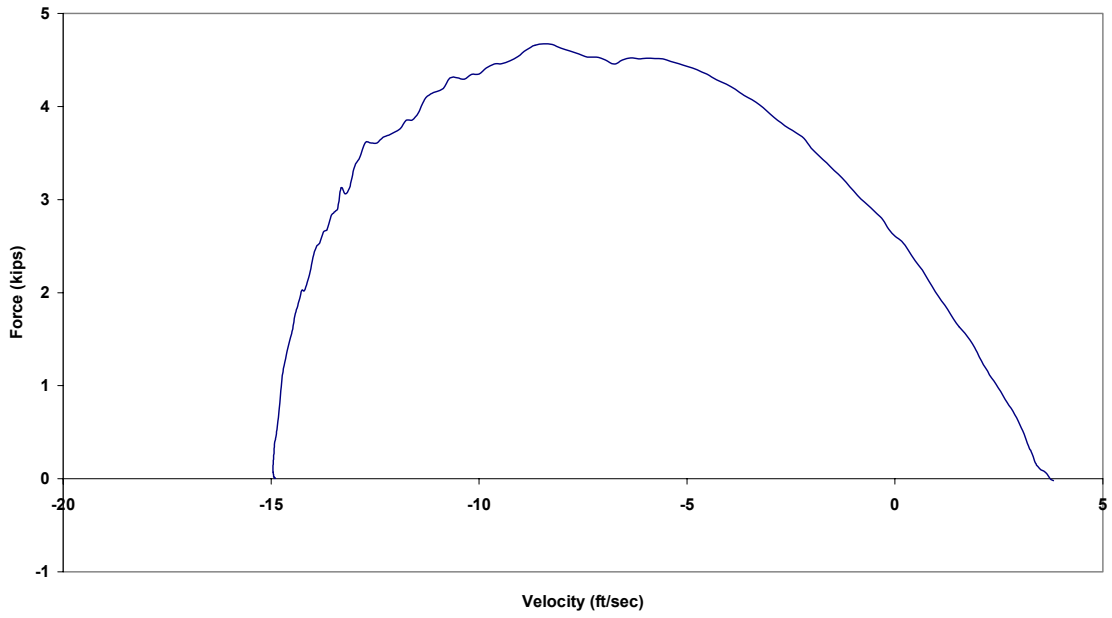


Figure B.81.3 Case 3G: Force vs. Velocity

Case 3G: Precycled 3/8 in. Amsteel II (65 lb from 85 in.)

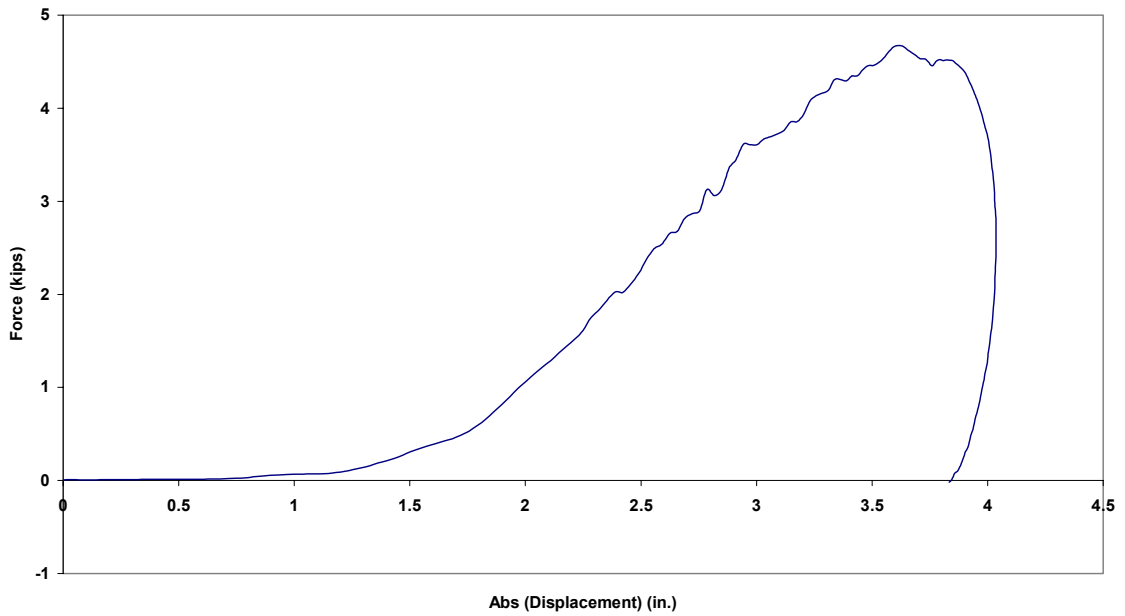


Figure B.81.4 Case 3G: Force vs. Absolute Displacement



Case 4G: Precycled 3/8 in. Amsteel II (65 lb from 79 in.)

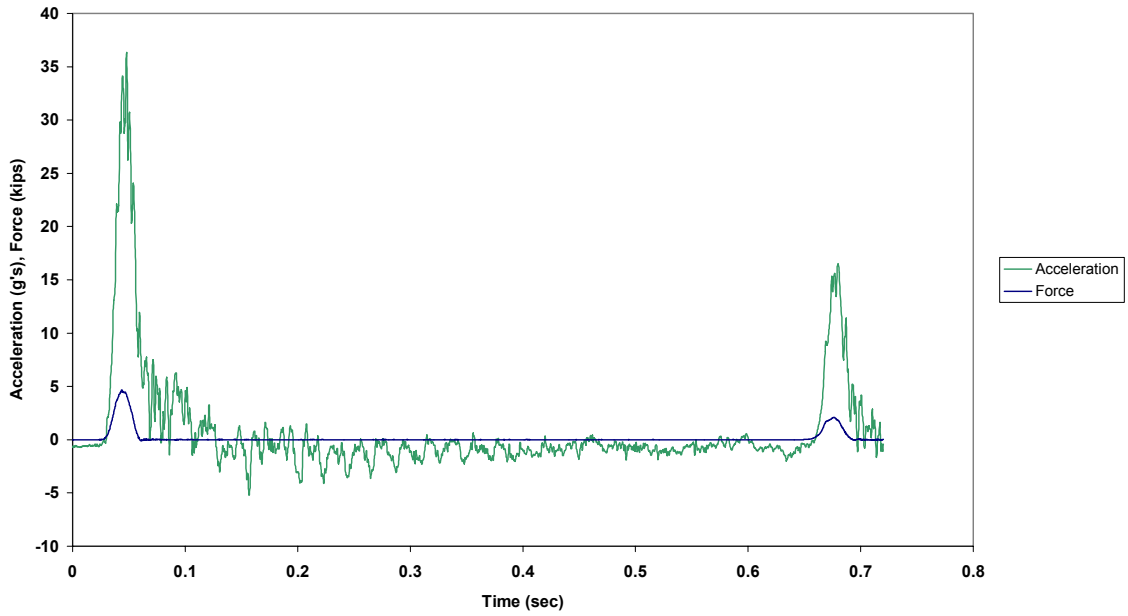


Figure B.82.1 Case 4G: Force and Acceleration vs. Time

Case 4G: Precycled 3/8 in. Amsteel II (65 lb from 79 in.)

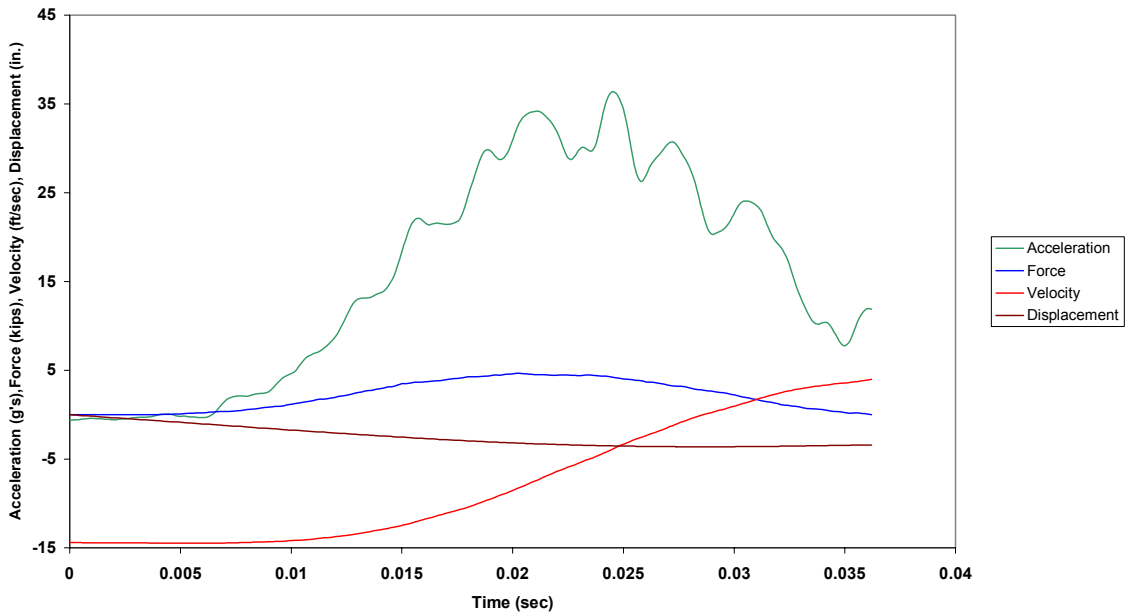


Figure B.82.2 Case 4G: Combined Plot

Case 4G: Precycled 3/8 in. Amsteel II (65 lb from 79 in.)



Figure B.82.3 Case 4G: Force vs. Velocity

Case 4G: Precycled 3/8 in. Amsteel II (65 lb from 79 in.)

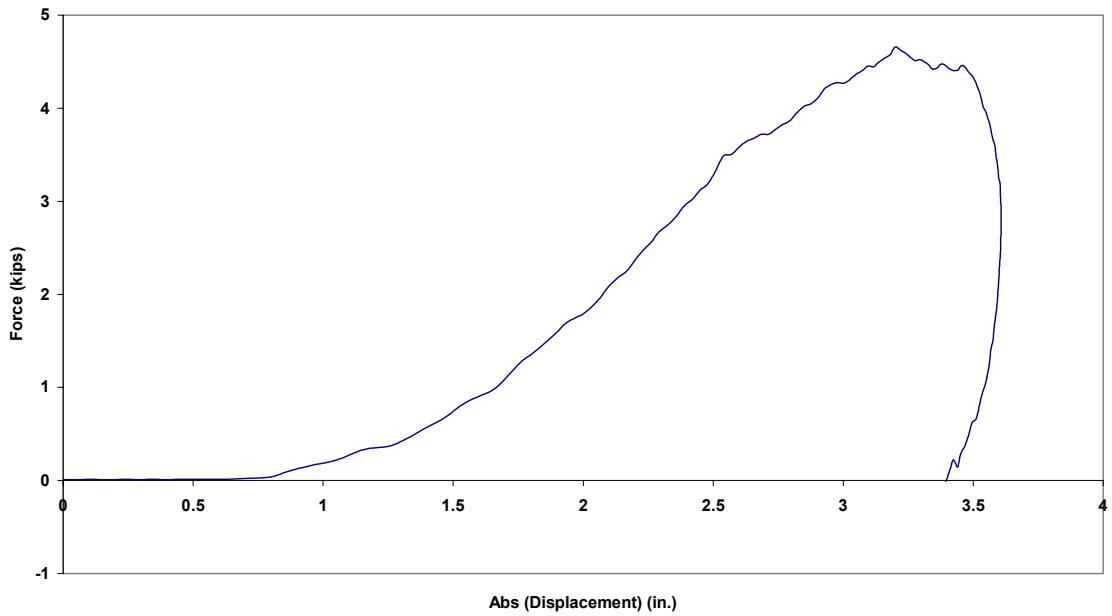


Figure B.82.4 Case 4G: Force vs. Absolute Displacement

Case 5G: Precycled 3/8 in. Amsteel II (65 lb from 73 in.)

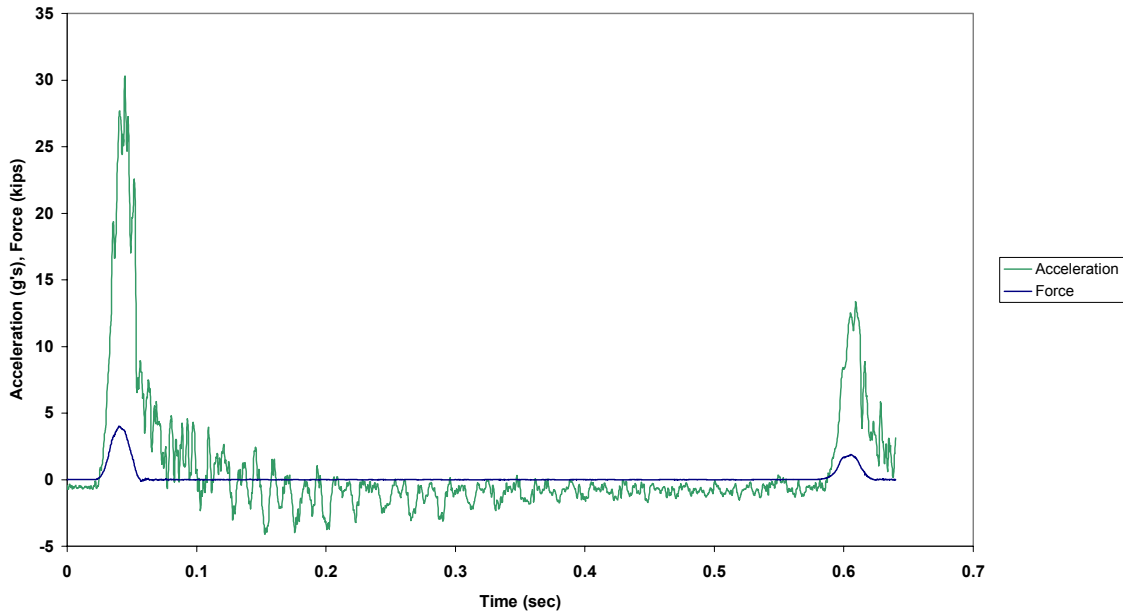


Figure B.83.1 Case 5G: Force and Acceleration vs. Time

Case 5G: Precycled 3/8 in. Amsteel II (65 lb from 73 in.)

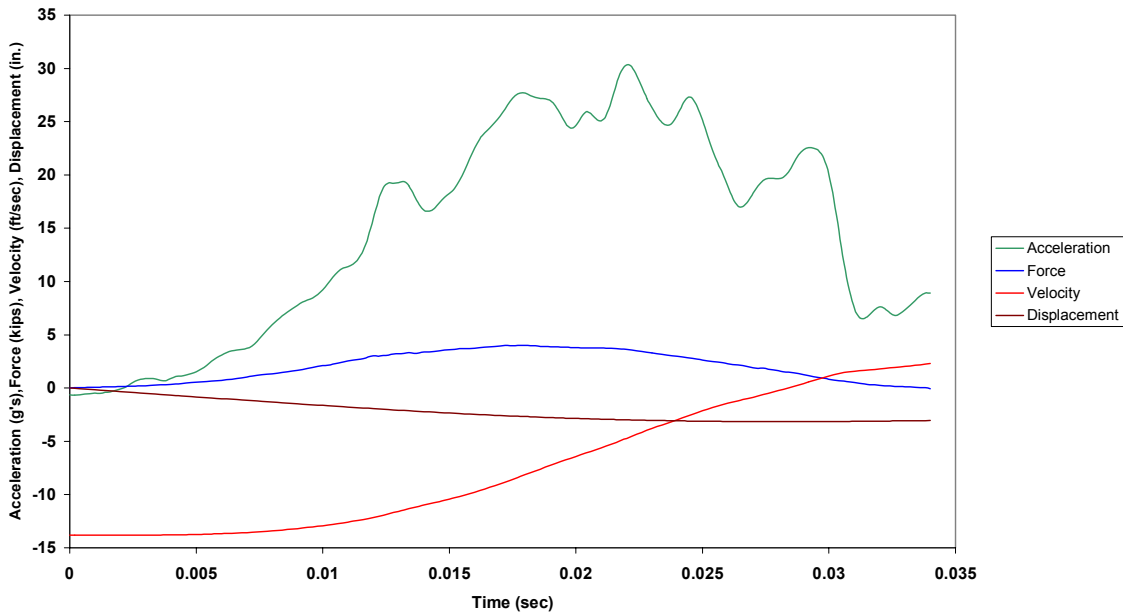


Figure B.83.2 Case 5G: Combined Plot

Case 5G: Precycled 3/8 in. Amsteel II (65 lb from 73 in.)

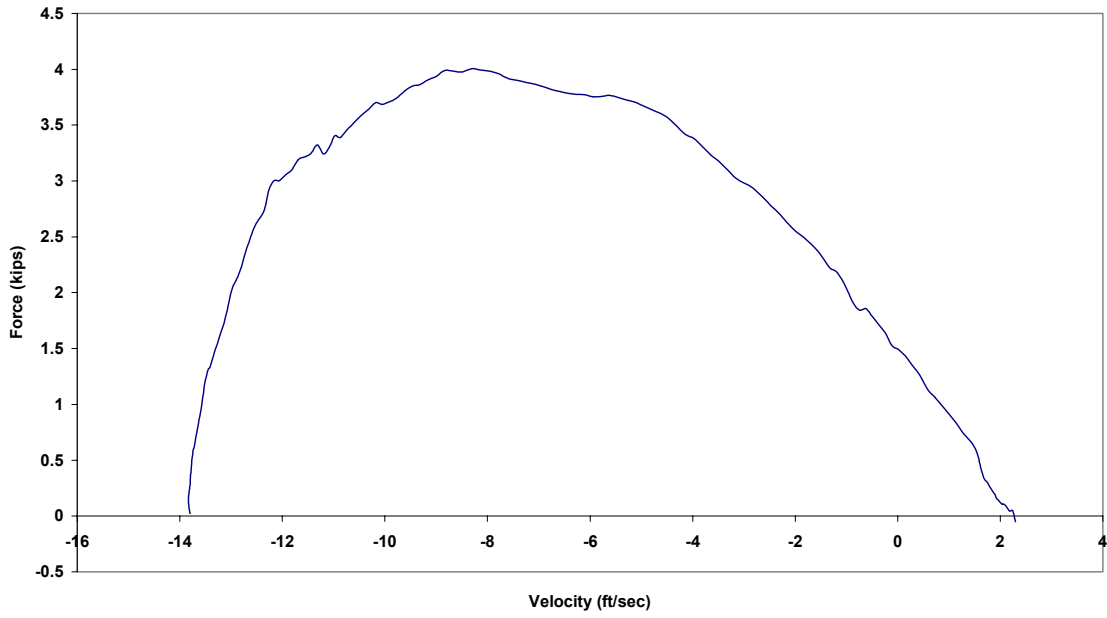


Figure B.83.3 Case 5G: Force vs. Velocity

Case 5G: Precycled 3/8 in. Amsteel II (65 lb from 73 in.)

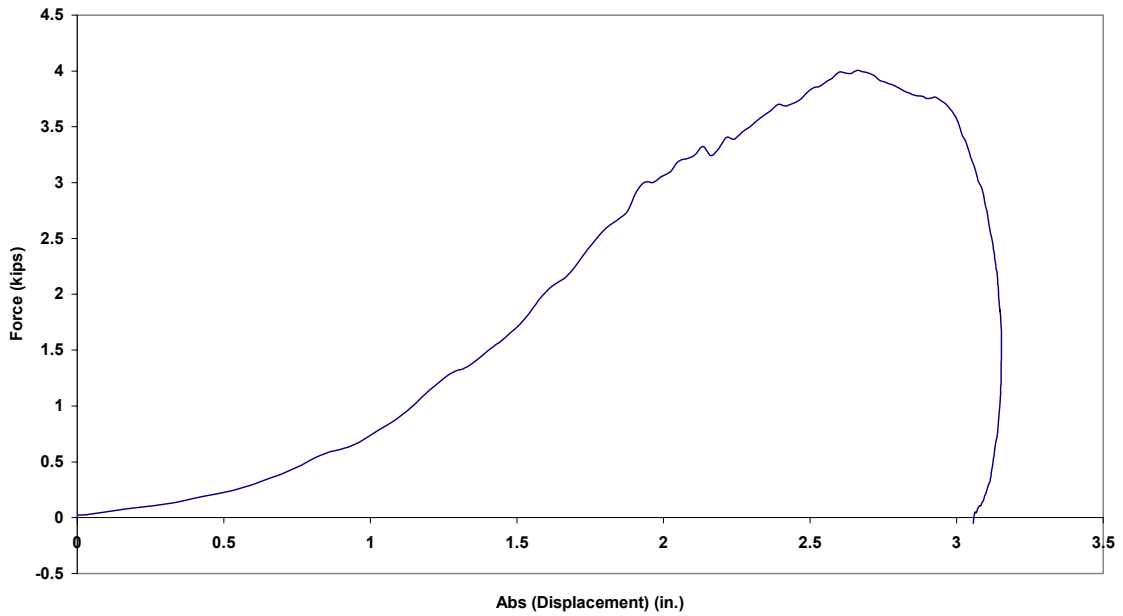


Figure B.83.4 Case 5G: Force vs. Absolute Displacement

Case 6G: Precycled 3/8 in. Amsteel II (65 lb from 67 in.)

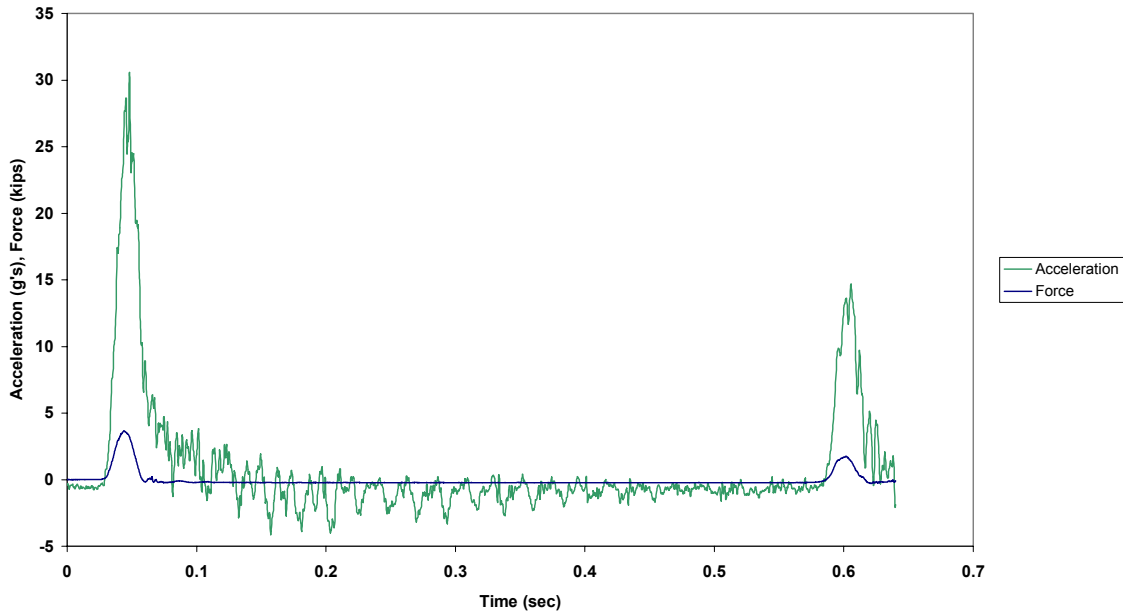


Figure B.84.1 Case 6G: Force and Acceleration vs. Time

Case 6G: Precycled 3/8 in. Amsteel II (65 lb from 67 in.)

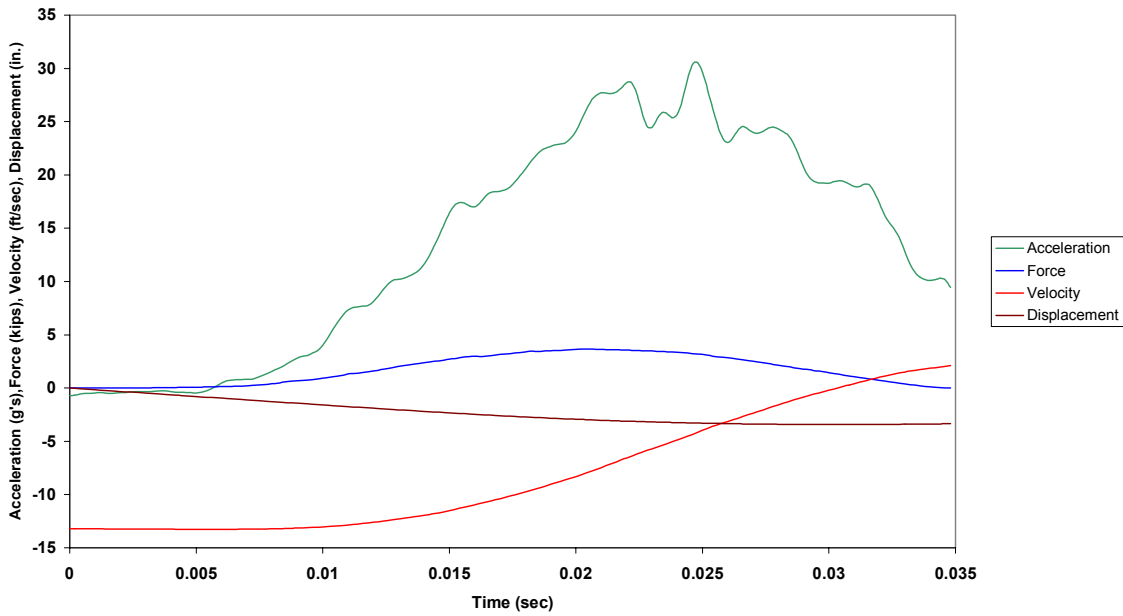


Figure B.84.2 Case 6G: Combined Plot

Case 6G: Precycled 3/8 in. Amsteel II (65 lb from 67 in.)

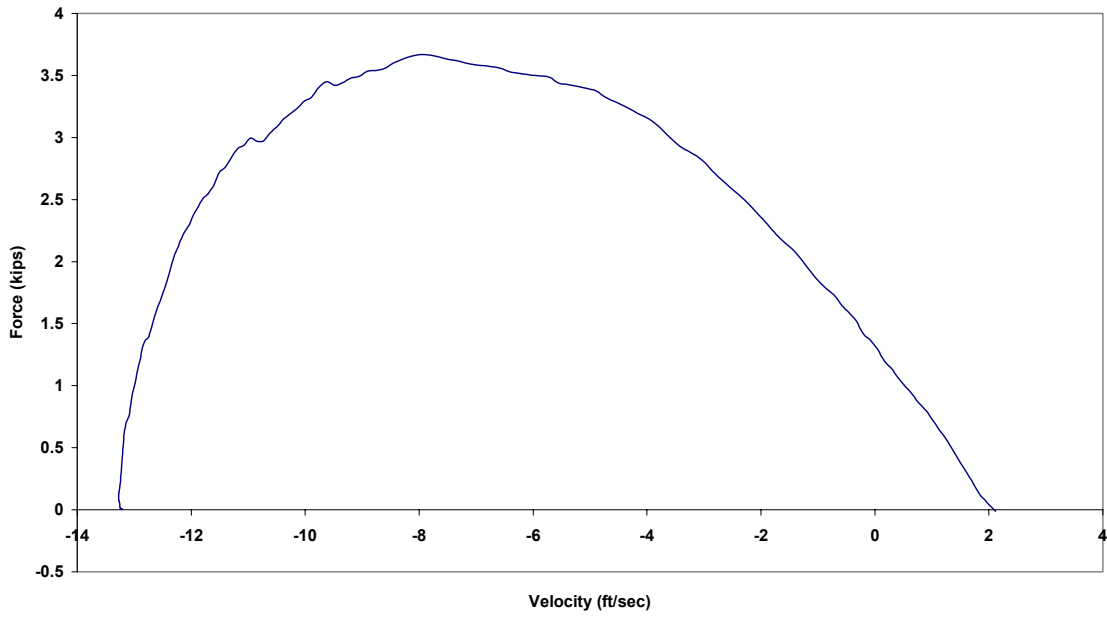


Figure B.84.3 Case 6G: Force vs. Velocity

Case 6G: Precycled 3/8 in. Amsteel II (65 lb from 67 in.)

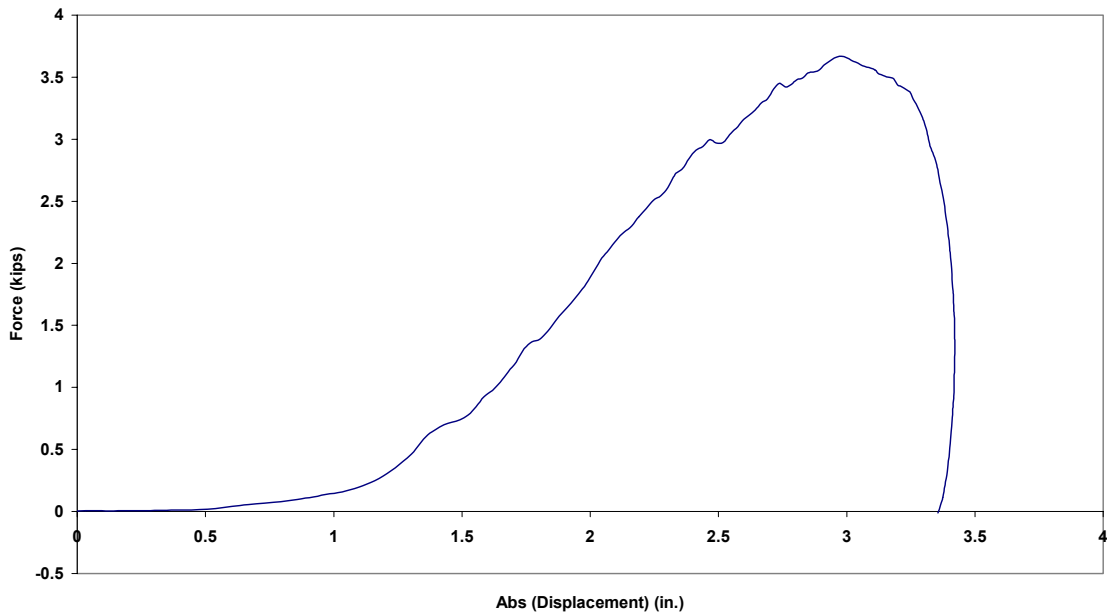


Figure B.84.4 Case 6G: Force vs. Absolute Displacement

Case 7G: Precycled 3/8 in. Amsteel II (85 lb from 57 in.)

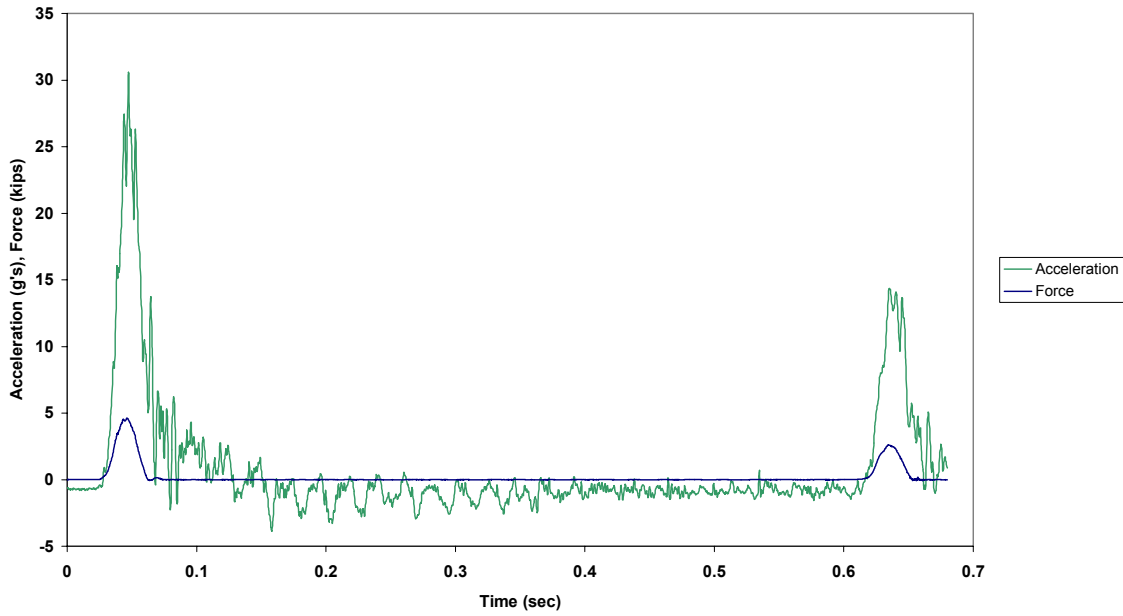


Figure B.85.1 Case 7G: Force and Acceleration vs. Time

Case 7G: Precycled 3/8 in. Amsteel II (85 lb from 57 in.)

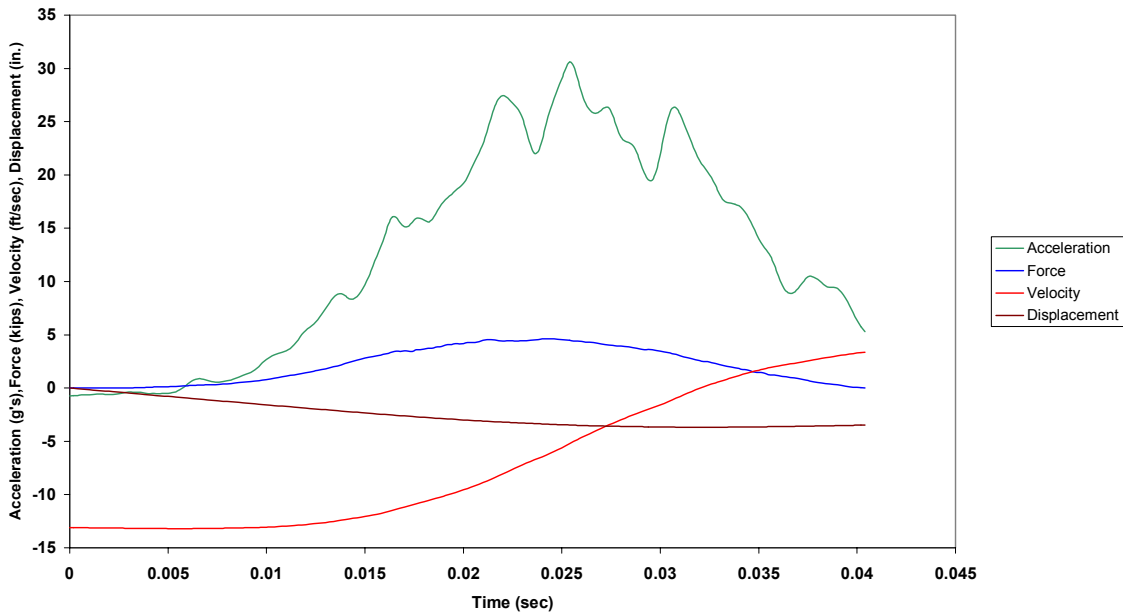


Figure B.85.2 Case 7G: Combined Plot

Case 7G: Precycled 3/8 in. Amsteel II (85 lb from 57 in.)

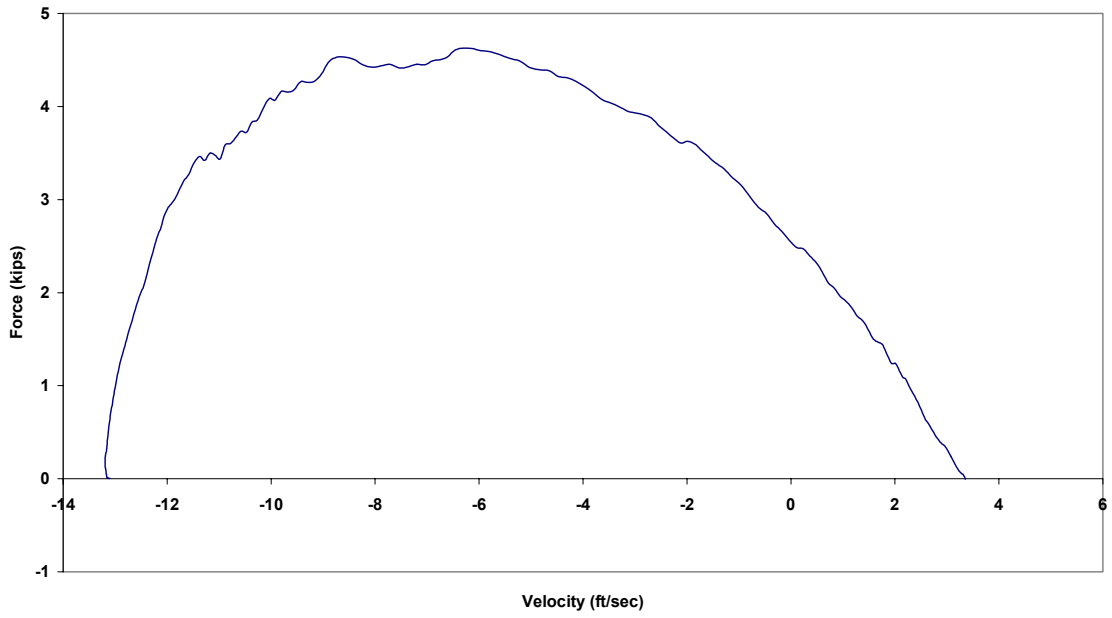


Figure B.85.3 Case 7G: Force vs. Velocity

Case 7G: Precycled 3/8 in. Amsteel II (85 lb from 57 in.)

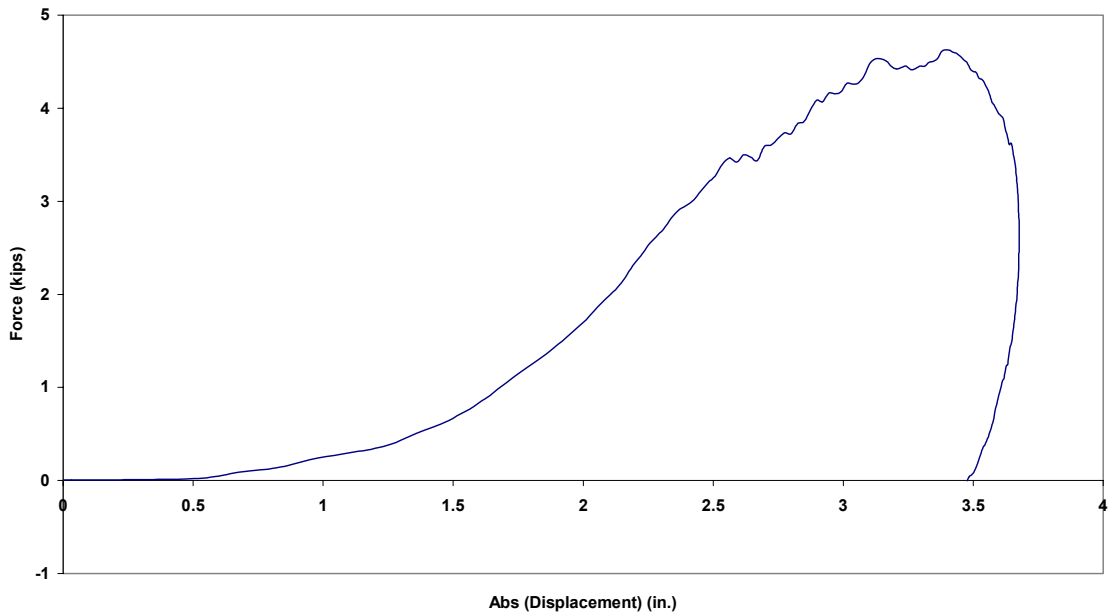


Figure B.85.4 Case 7G: Force vs. Absolute Displacement



Case 8G: Precycled 3/8 in. Amsteel II (85 lb from 63 in.)

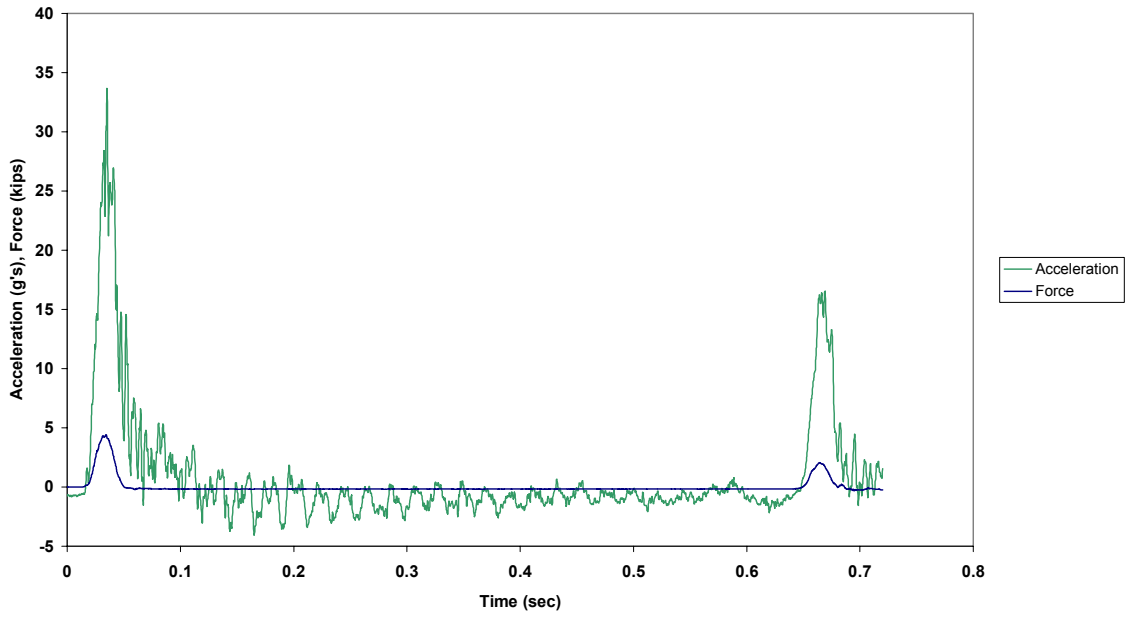


Figure B.86.1 Case 8G: Force and Acceleration vs. Time

Case 8G: Precycled 3/8 in. Amsteel II (85 lb from 63 in.)

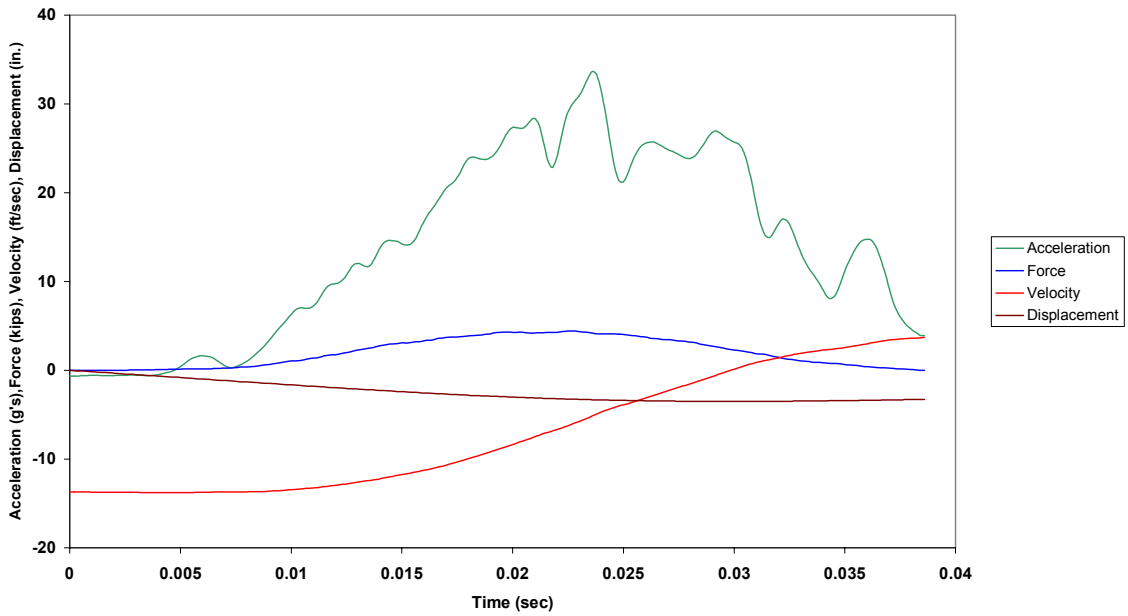


Figure B.86.2 Case 8G: Combined Plot

Case 8G: Precycled 3/8 in. Amsteel II (85 lb from 63 in.)

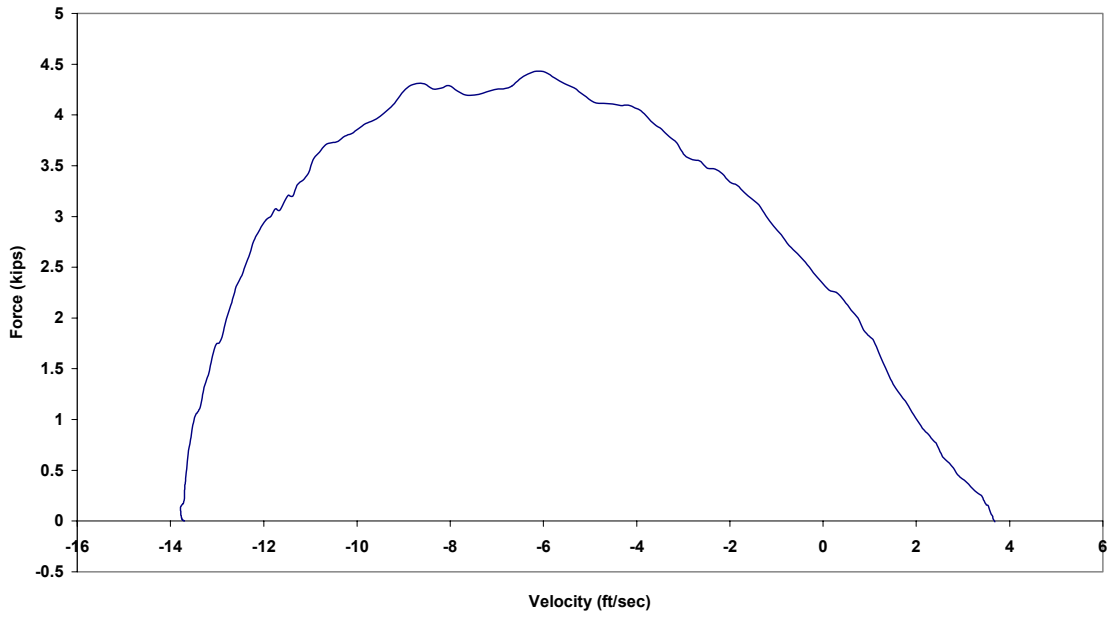


Figure B.86.3 Case 8G: Force vs. Velocity

Case 8G: Precycled 3/8 in. Amsteel II (85 lb from 63 in.)

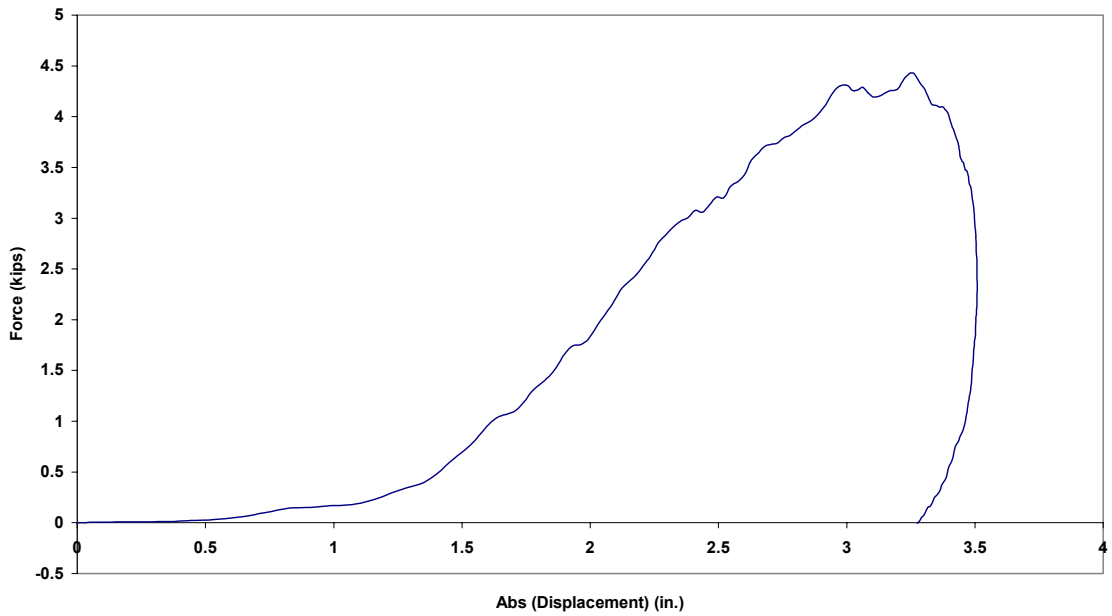


Figure B.86.4 Case 8G: Force vs. Absolute Displacement

Case 9G: Precycled 3/8 in. Amsteel II (85 lb from 69 in.)

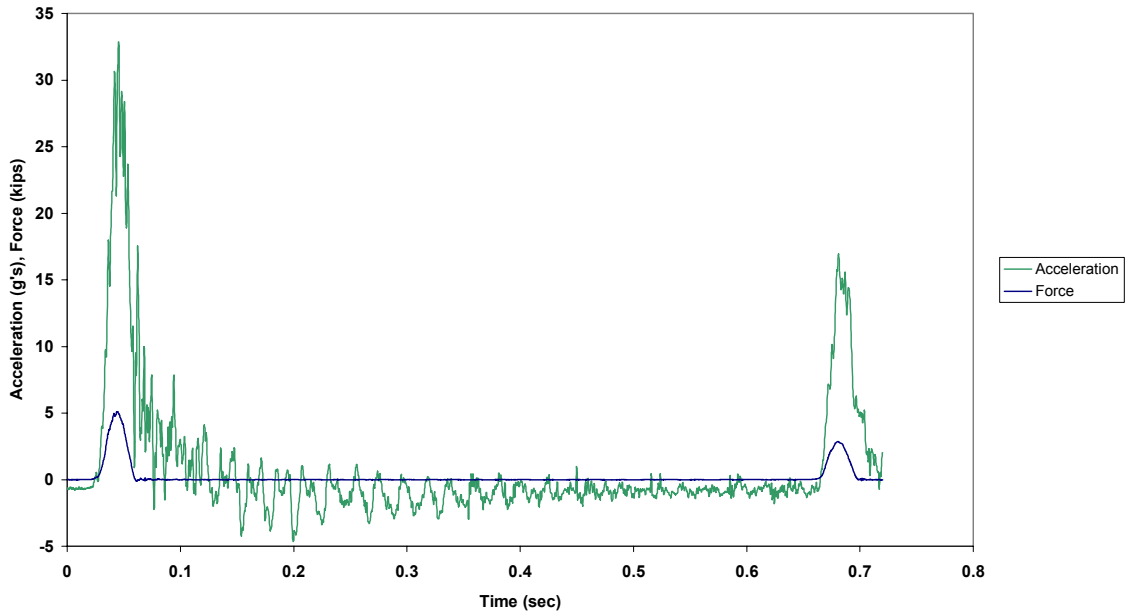


Figure B.87.1 Case 9G: Force and Acceleration vs. Time

Case 9G: Precycled 3/8 in. Amsteel II (85 lb from 69 in.)

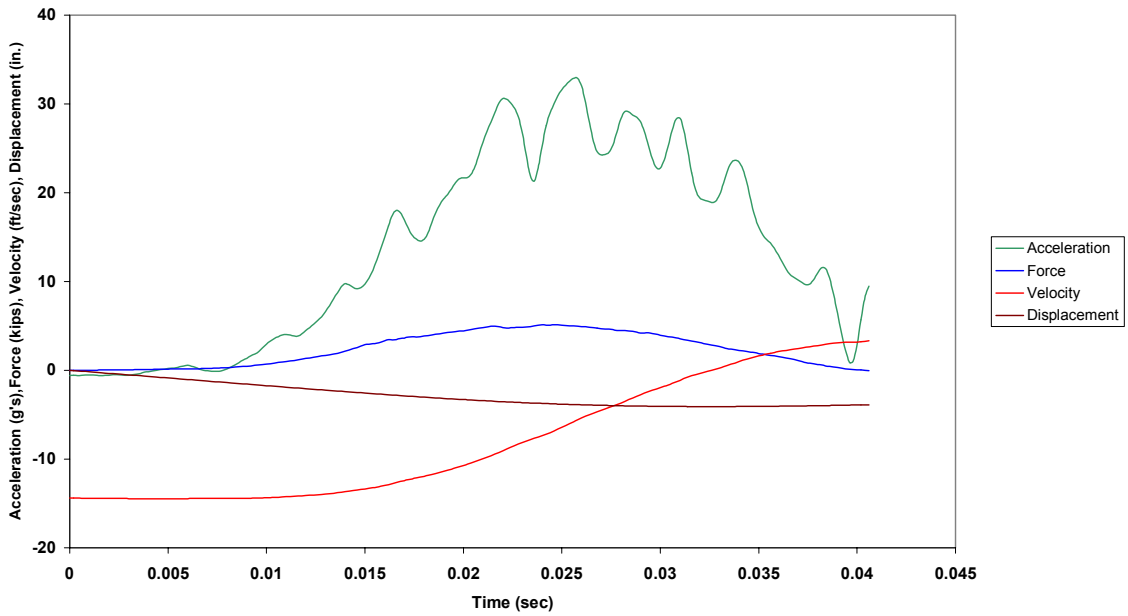


Figure B.87.2 Case 9G: Combined Plot

Case 9G: Precycled 3/8 in. Amsteel II (85 lb from 69 in.)

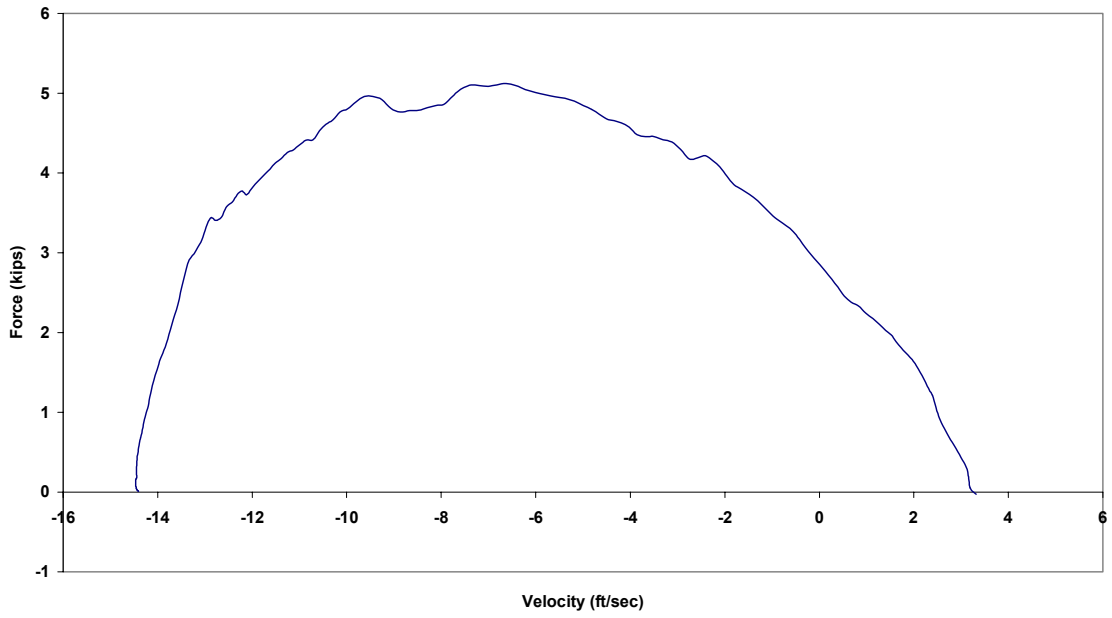


Figure B.87.3 Case 9G: Force vs. Velocity

Case 9G: Precycled 3/8 in. Amsteel II (85 lb from 69 in.)

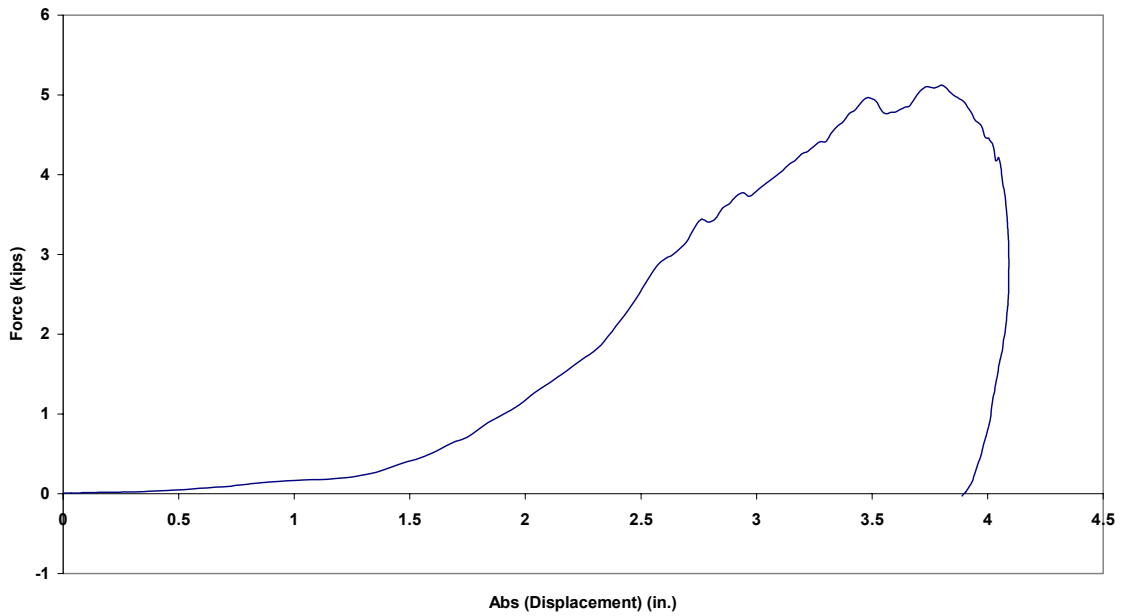


Figure B.87.4 Case 9G: Force vs. Absolute Displacement

Case 1H: New 3/8 in. Amsteel II (65 lb from 97 in.)

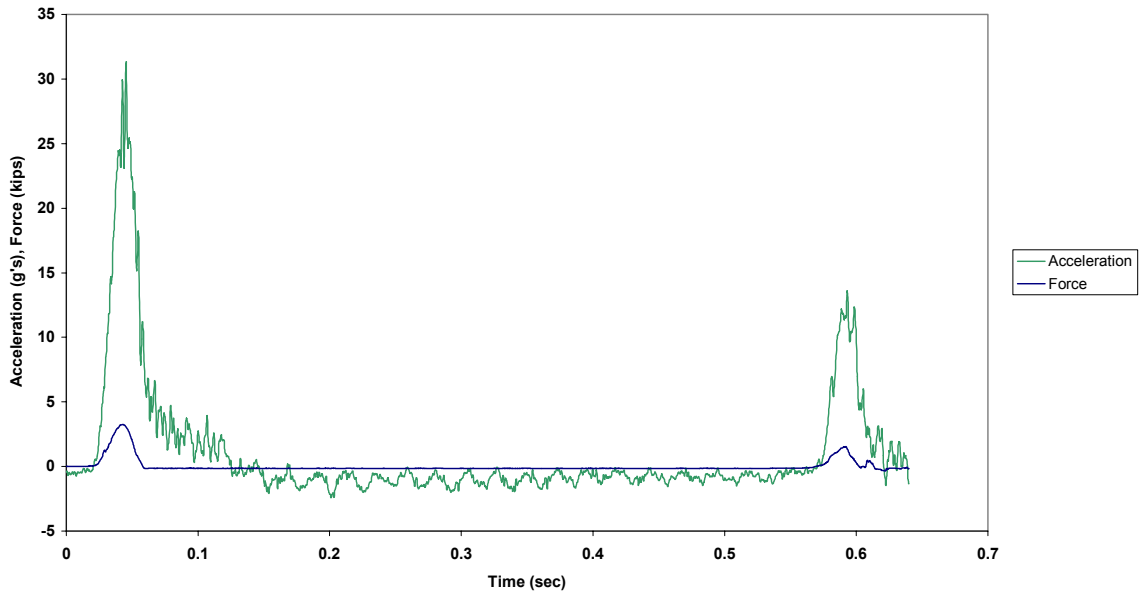


Figure B.88.1 Case 1H: Force and Acceleration vs. Time

Case 1H: New 3/8 in. Amsteel II (65 lb from 97 in.)

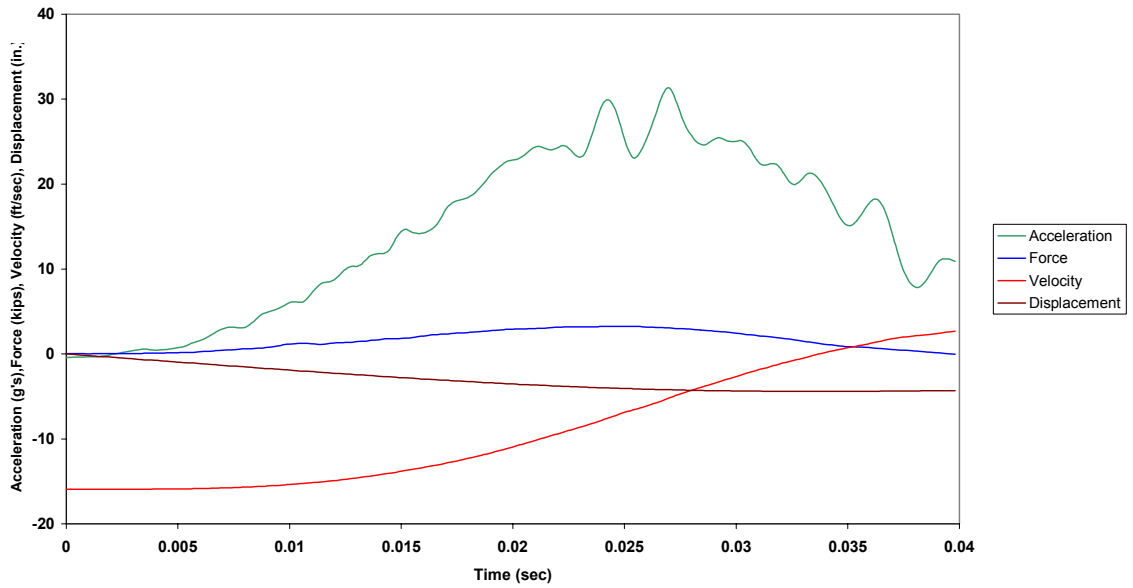


Figure B.88.2 Case 1H: Combined Plot

Case 1H: New 3/8 in. Amsteel II (65 lb from 97 in.)

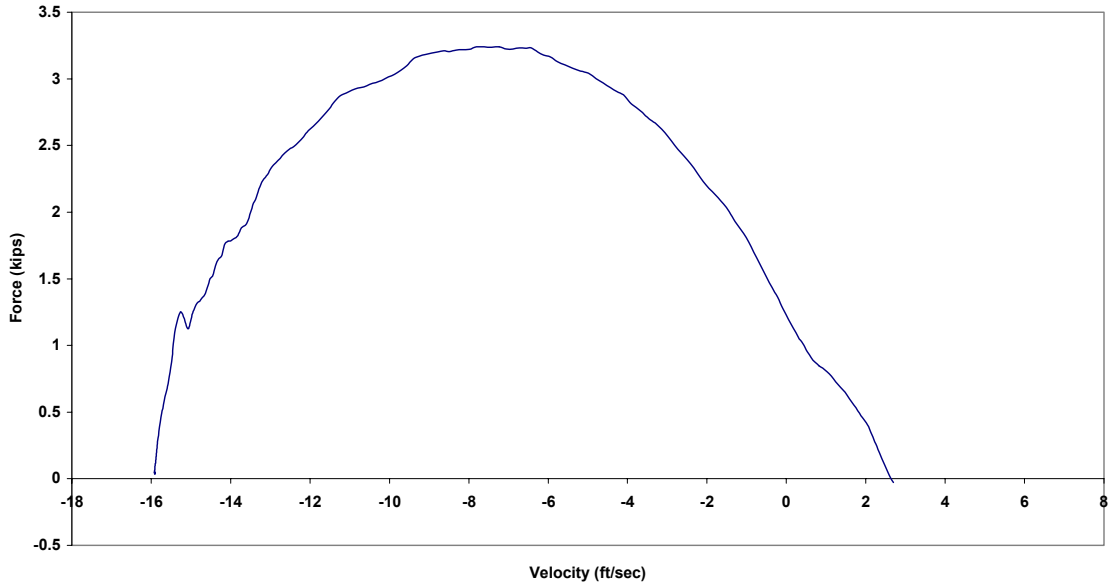


Figure B.88.3 Case 1H: Force vs. Velocity

Case 1H: New 3/8 in. Amsteel II (65 lb from 97 in.)



Figure B.88.4 Case 1H: Force vs. Absolute Displacement

Case 2H: New 3/8 in. Amsteel II (65 lb from 91 in.)

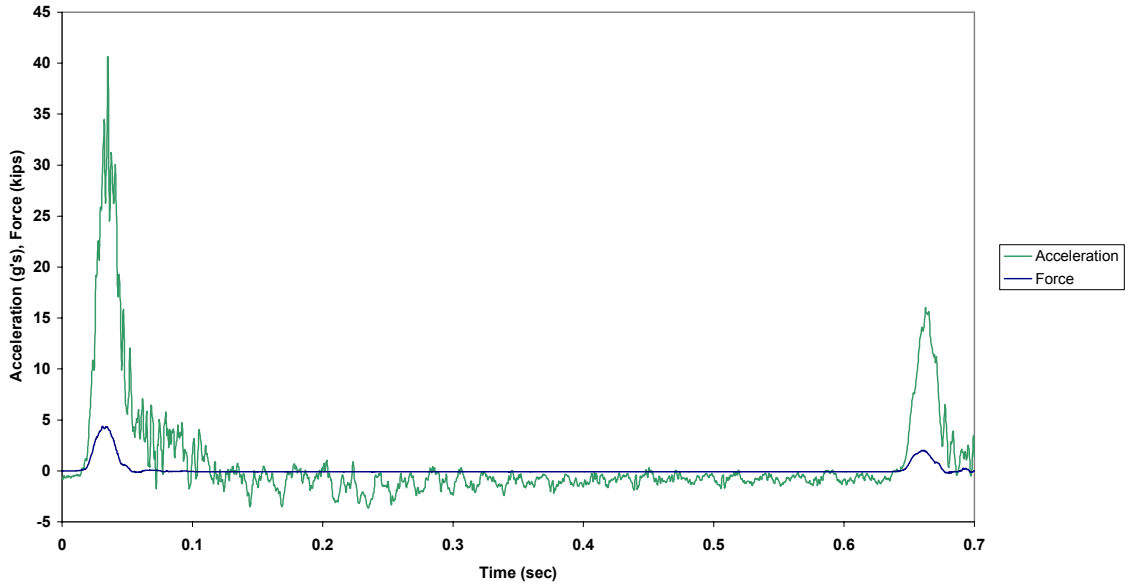


Figure B.89.1 Case 2H: Force and Acceleration vs. Time

Case 2H: New 3/8 in. Amsteel II (65 lb from 91 in.)

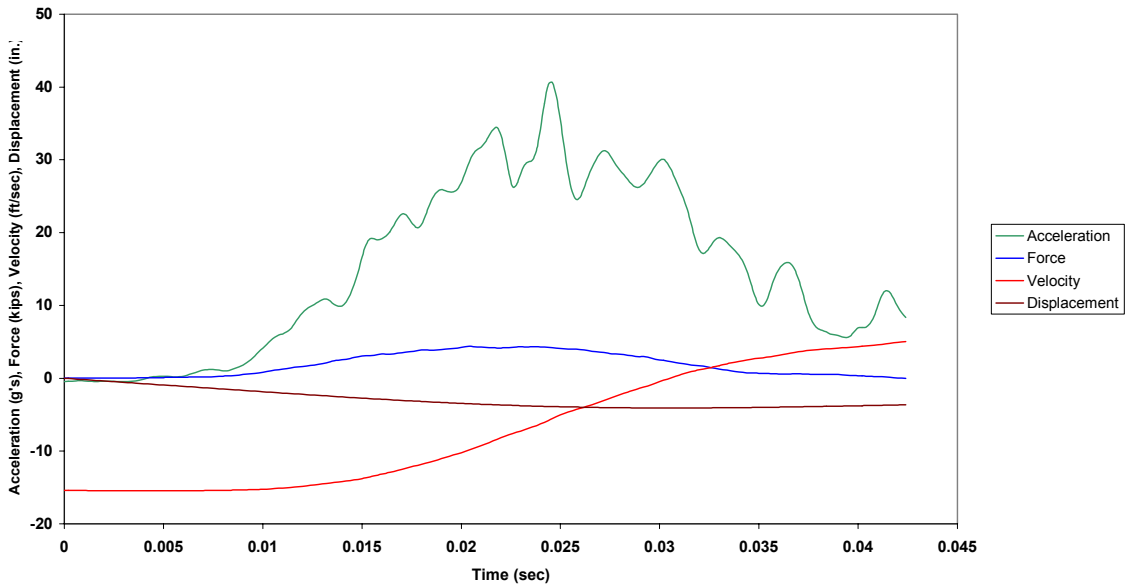


Figure B.89.2 Case 2H: Combined Plot

Case 2H: New 3/8 in. Amsteel II (65 lb from 91 in.)

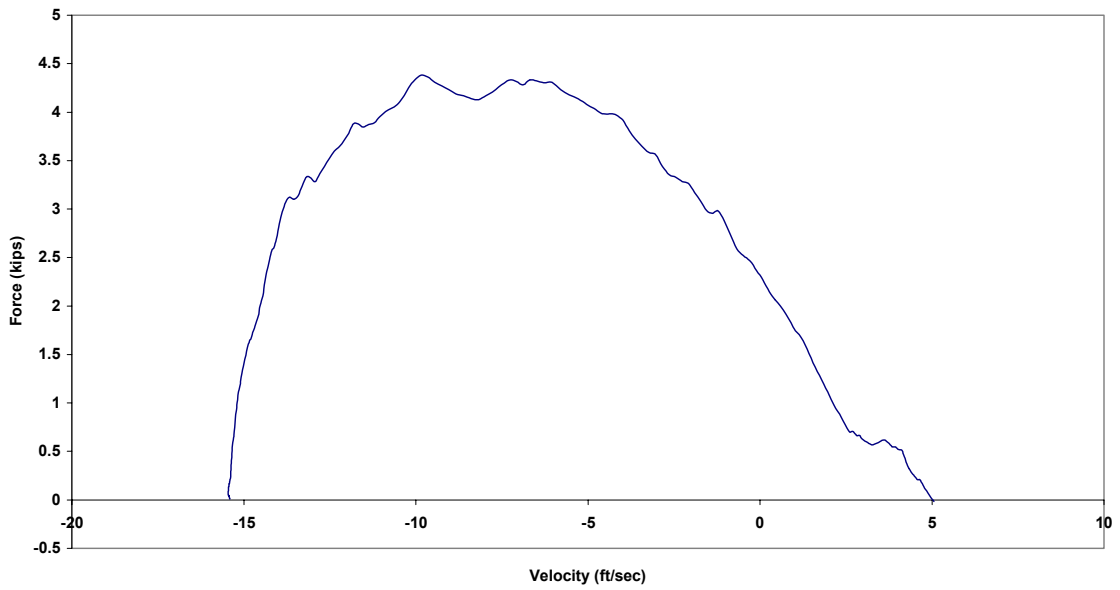


Figure B.89.3 Case 2H: Force vs. Velocity

Case 2H: New 3/8 in. Amsteel II (65 lb from 91 in.)

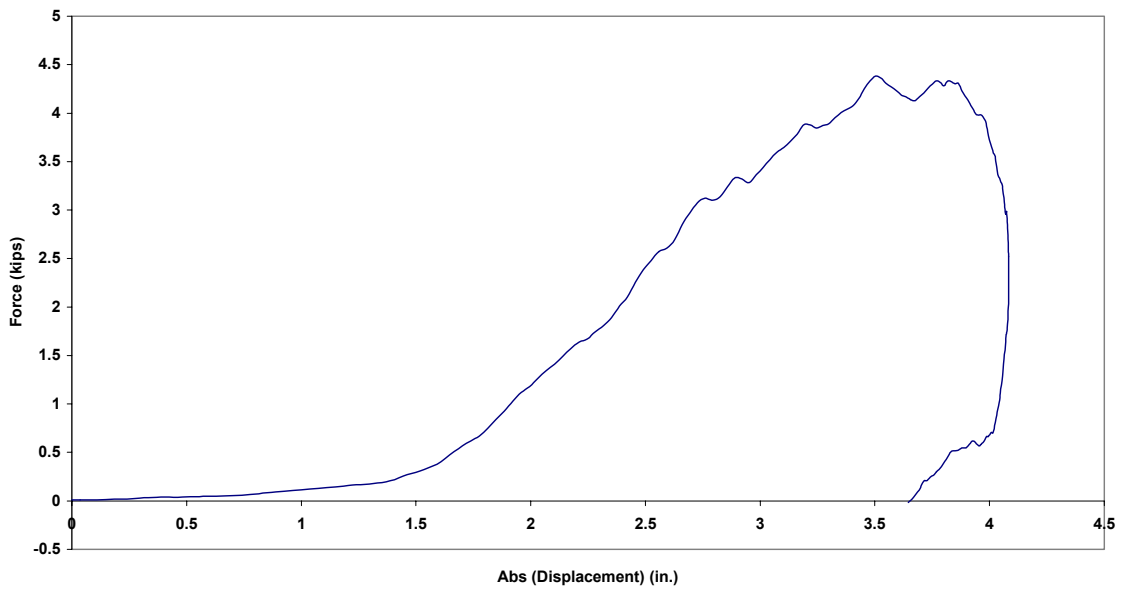


Figure B.89.4 Case 2H: Force vs. Absolute Displacement



Case 3H: New 3/8 in. Amsteel II (65 lb from 85 in.)

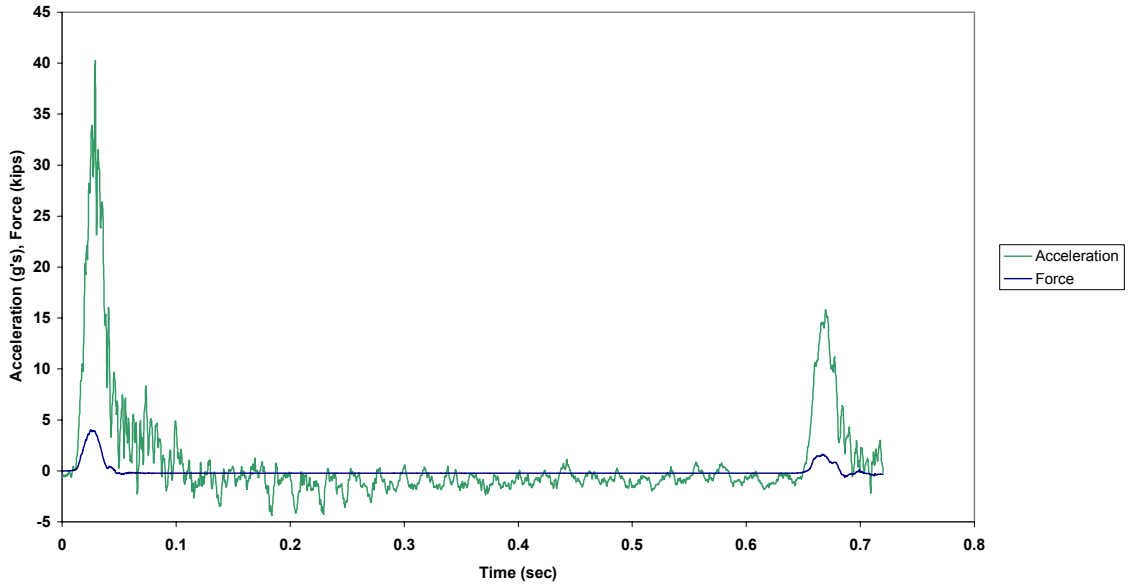


Figure B.90.1 Case 3H: Force and Acceleration vs. Time

Case 3H: New 3/8 in. Amsteel II (65 lb from 85 in.)

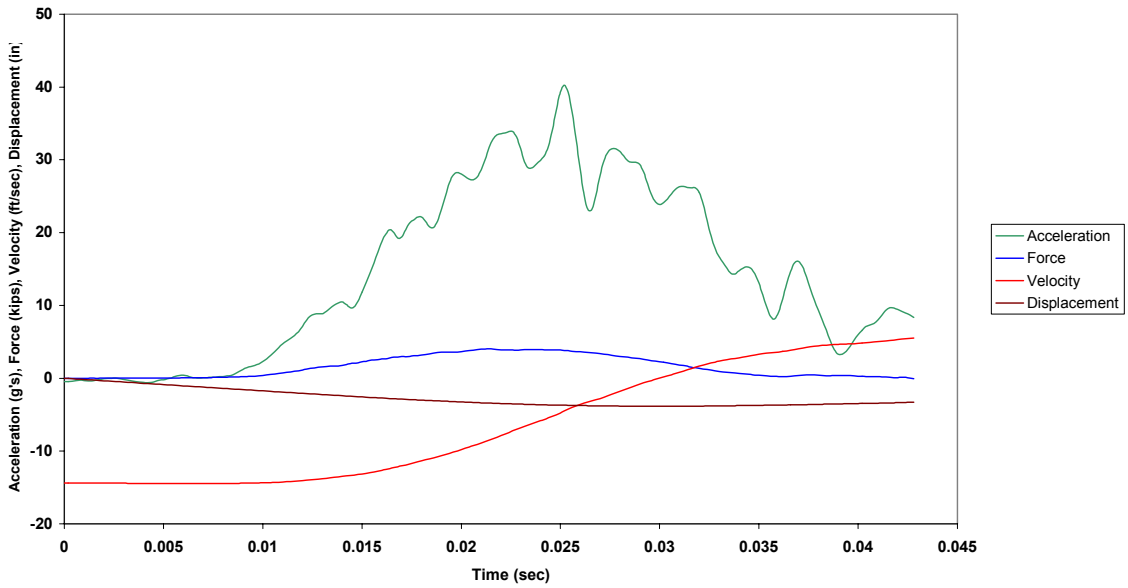


Figure B.90.2 Case 3H: Combined Plot

Case 3H: New 3/8 in. Amsteel II (65 lb from 85 in.)

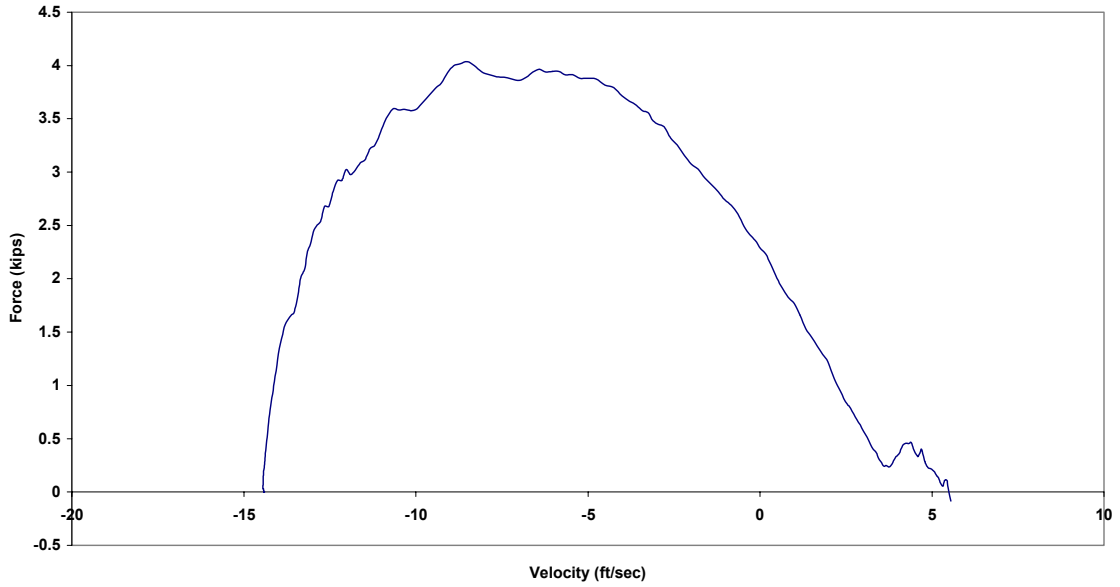


Figure B.90.3 Case 3H: Force vs. Velocity

Case 3H: New 3/8 in. Amsteel II (65 lb from 85 in.)

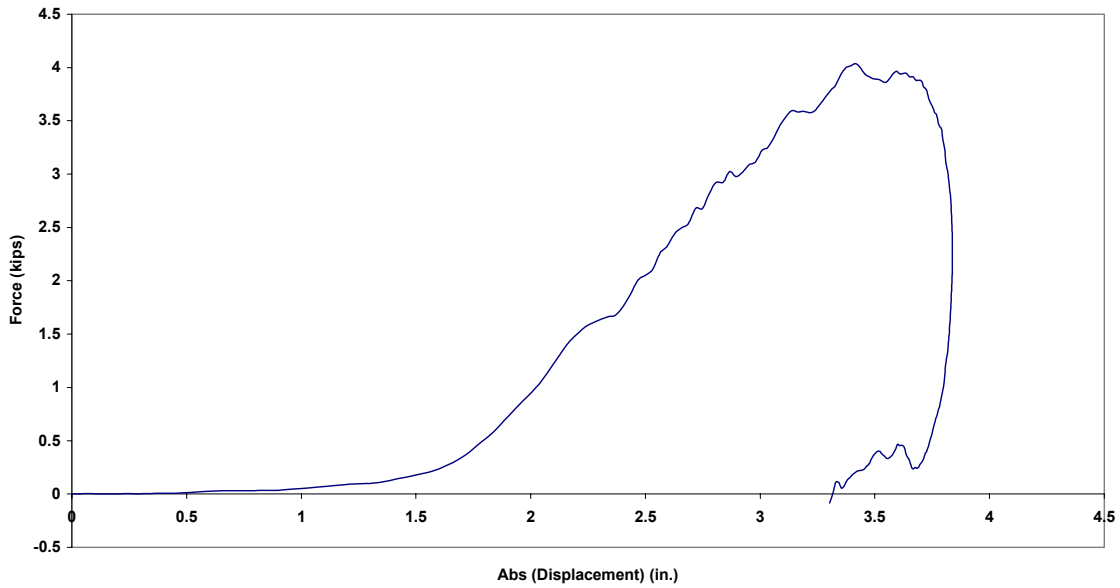


Figure B.90.4 Case 3H: Force vs. Absolute Displacement

Case 4H: New 3/8 in. Amsteel II (65 lb from 79 in.)

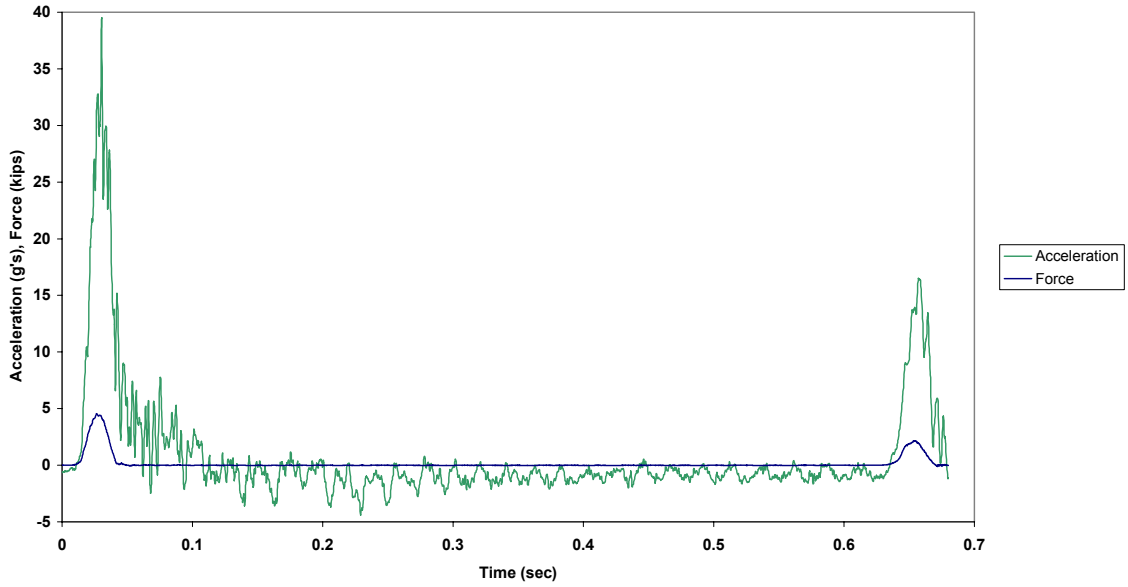


Figure B.91.1 Case 4H: Force and Acceleration vs. Time

Case 4H: New 3/8 in. Amsteel II (65 lb from 79 in.)

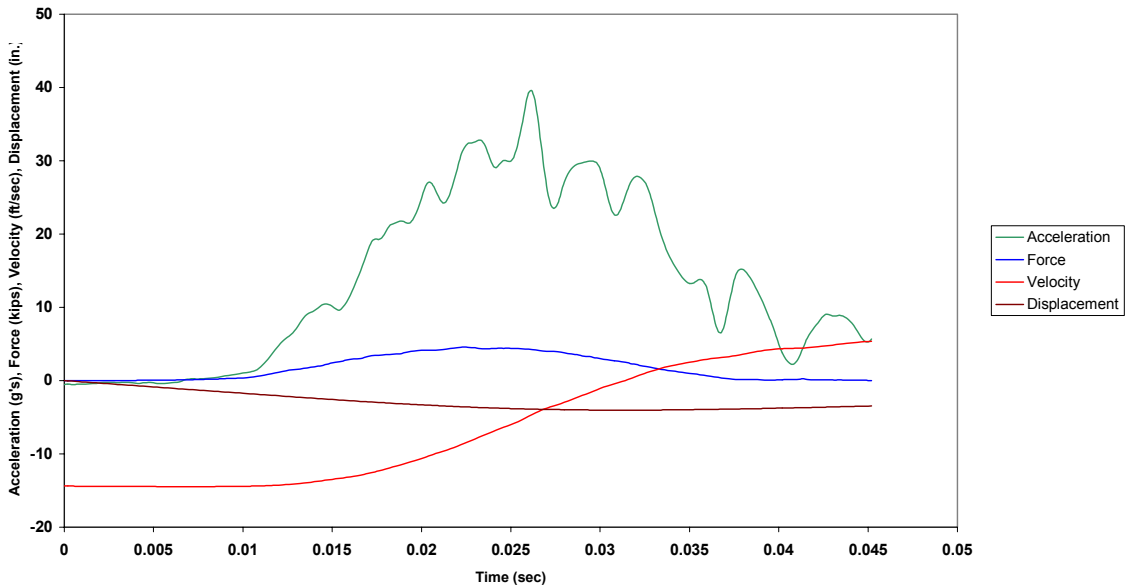


Figure B.91.2 Case 4H: Combined Plot

Case 4H: New 3/8 in. Amsteel II (65 lb from 79 in.)

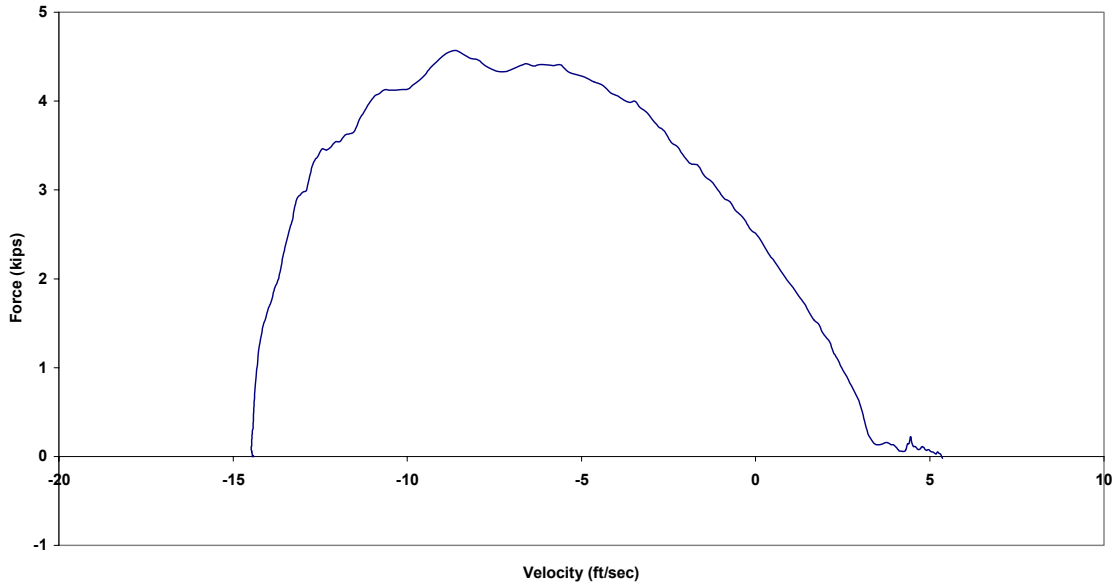


Figure B.91.3 Case 4H: Force vs. Velocity

Case 4H: New 3/8 in. Amsteel II (65 lb from 79 in.)

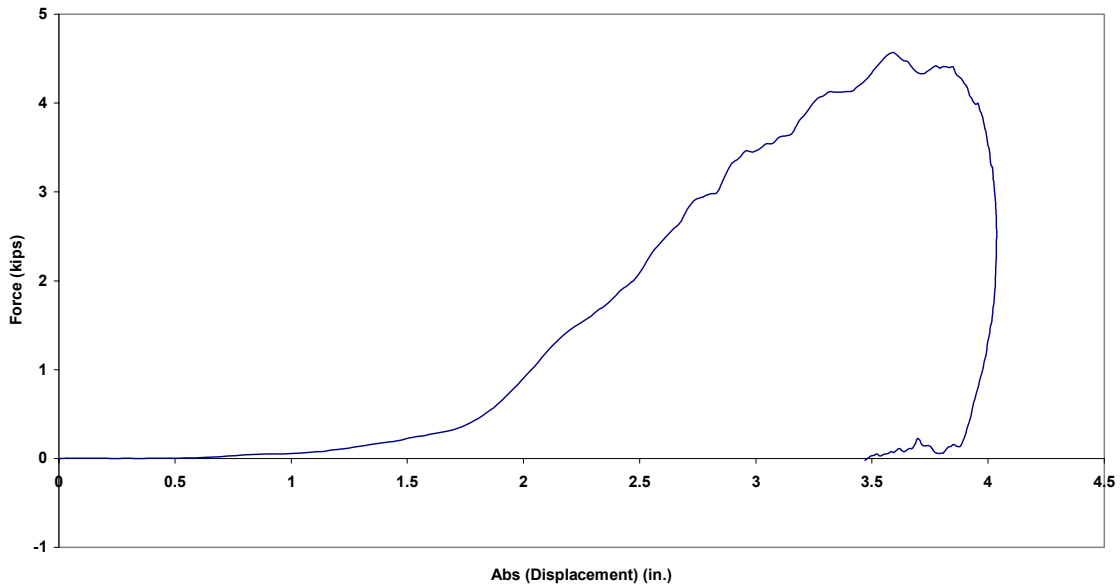


Figure B.91.4 Case 4H: Force vs. Absolute Displacement

Case 5H: New 3/8 in. Amsteel II (65 lb from 73 in.)

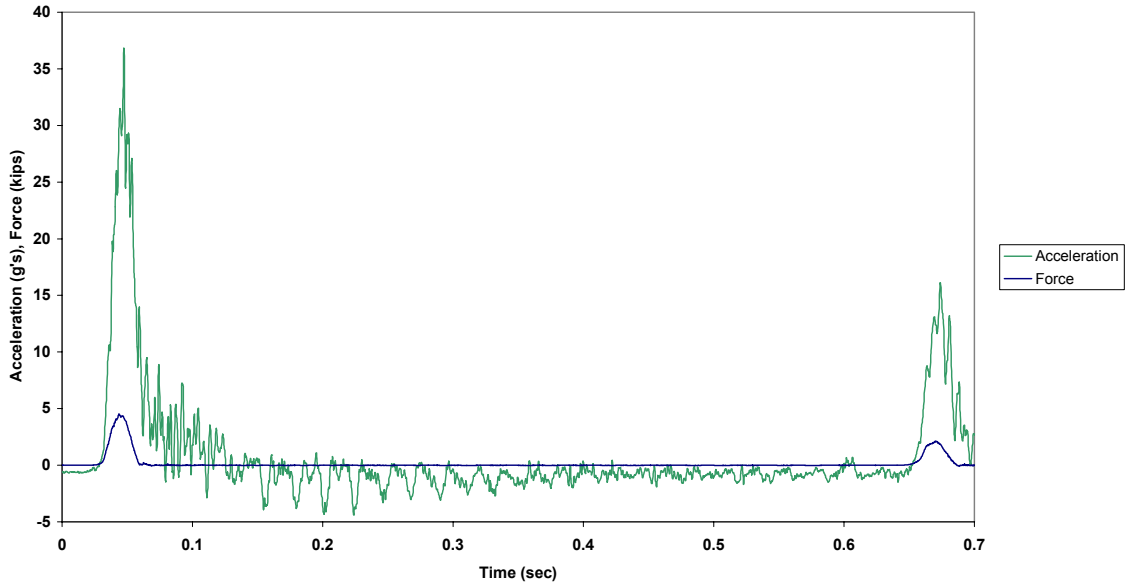


Figure B.92.1 Case 5H: Force and Acceleration vs. Time

Case 5H: New 3/8 in. Amsteel II (65 lb from 73 in.)

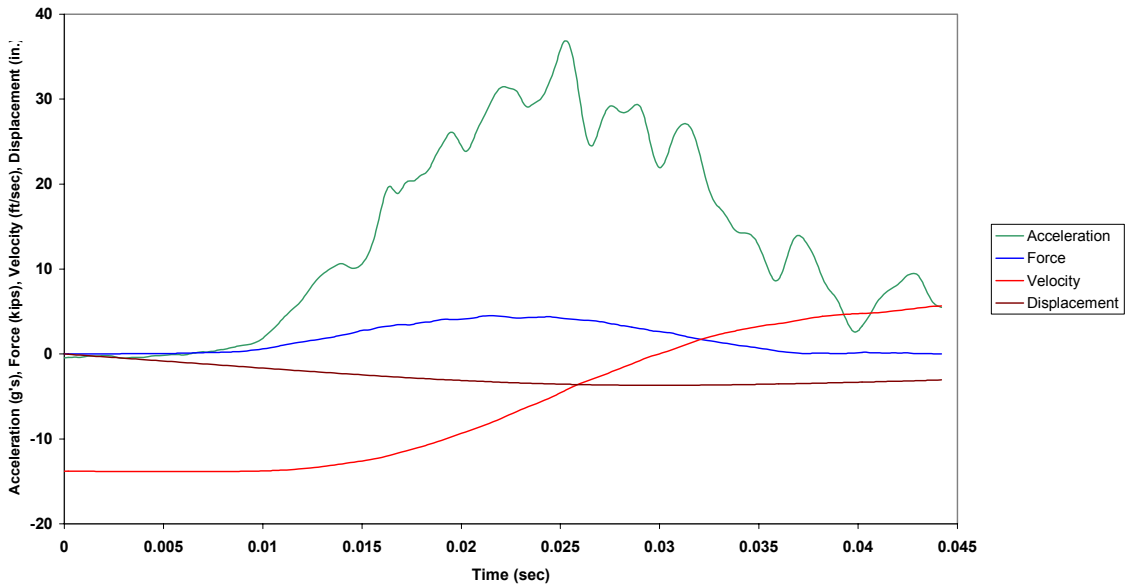


Figure B.92.2 Case 5H: Combined Plot

Case 5H: New 3/8 in. Amsteel II (65 lb from 73 in.)

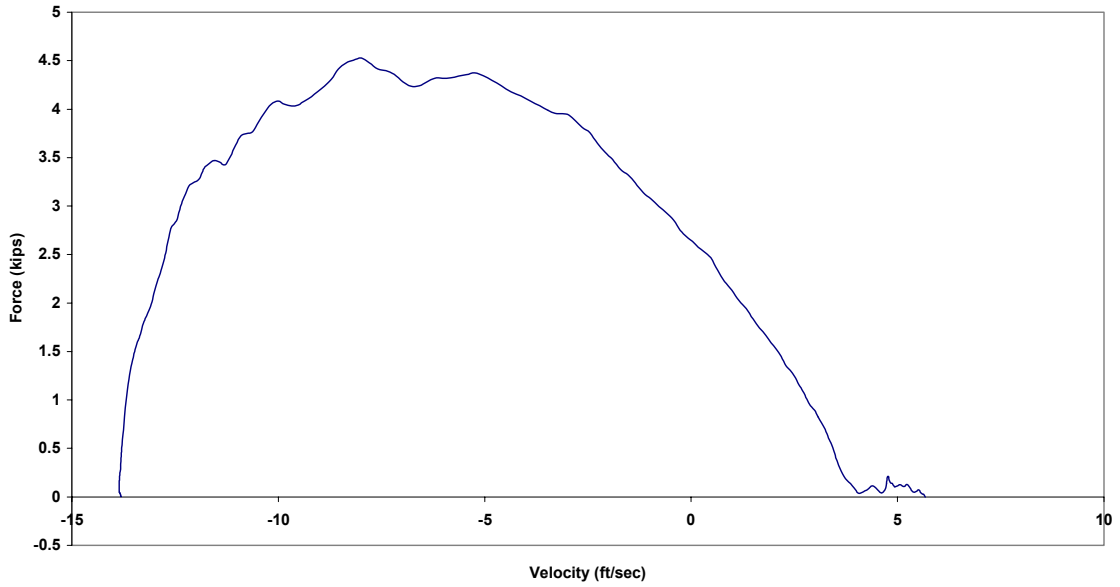


Figure B.92.3 Case 5H: Force vs. Velocity

Case 5H: New 3/8 in. Amsteel II (65 lb from 73 in.)

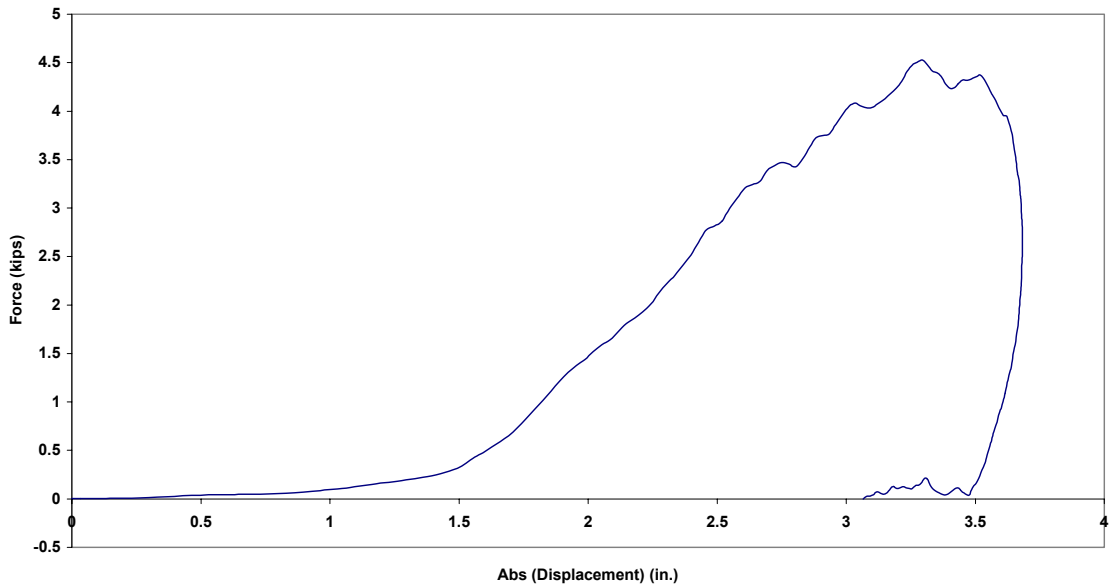


Figure B.92.4 Case 5H: Force vs. Absolute Displacement

Case 6H: New 3/8 in. Amsteel II (65 lb from 67 in.)

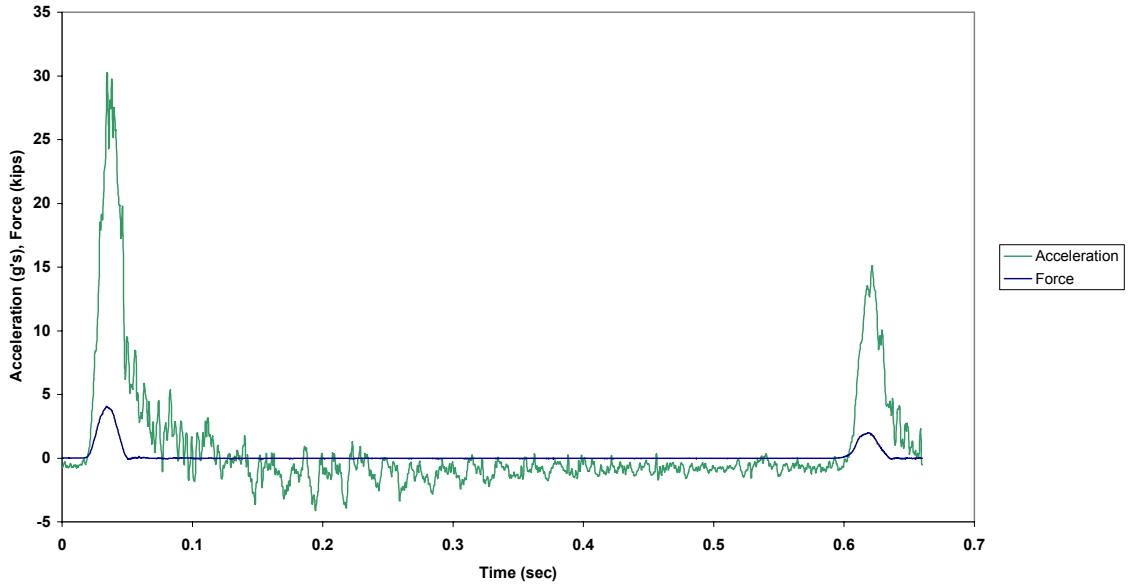


Figure B.93.1 Case 6H: Force and Acceleration vs. Time

Case 6H: New 3/8 in. Amsteel II (65 lb from 67 in.)

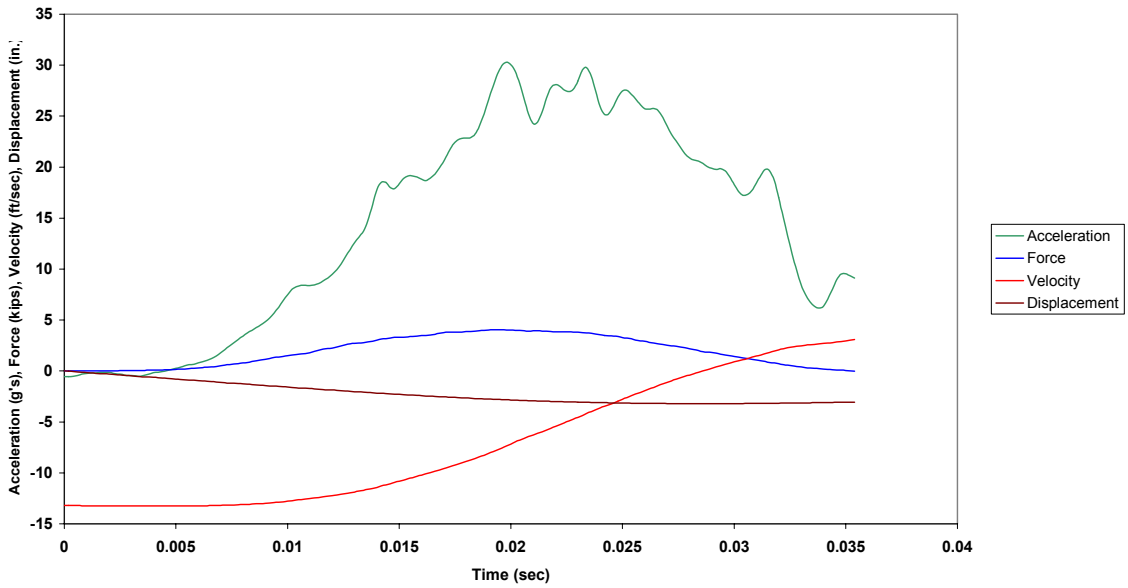


Figure B.93.2 Case 6H: Combined Plot

Case 6H: New 3/8 in. Amsteel II (65 lb from 67 in.)

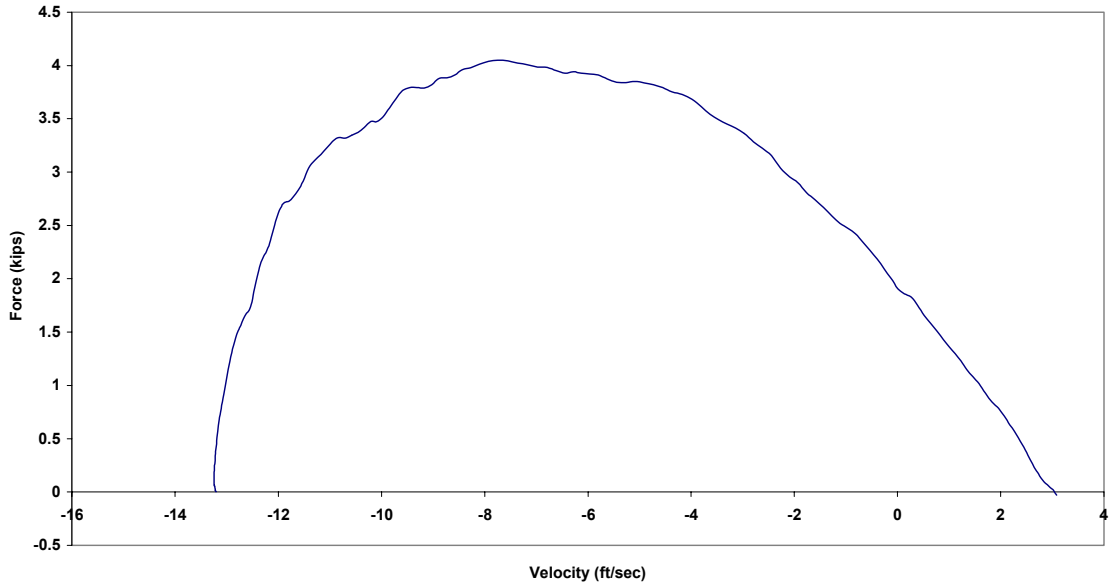


Figure B.93.3 Case 6H: Force vs. Velocity

Case 6H: New 3/8 in. Amsteel II (65 lb from 67 in.)

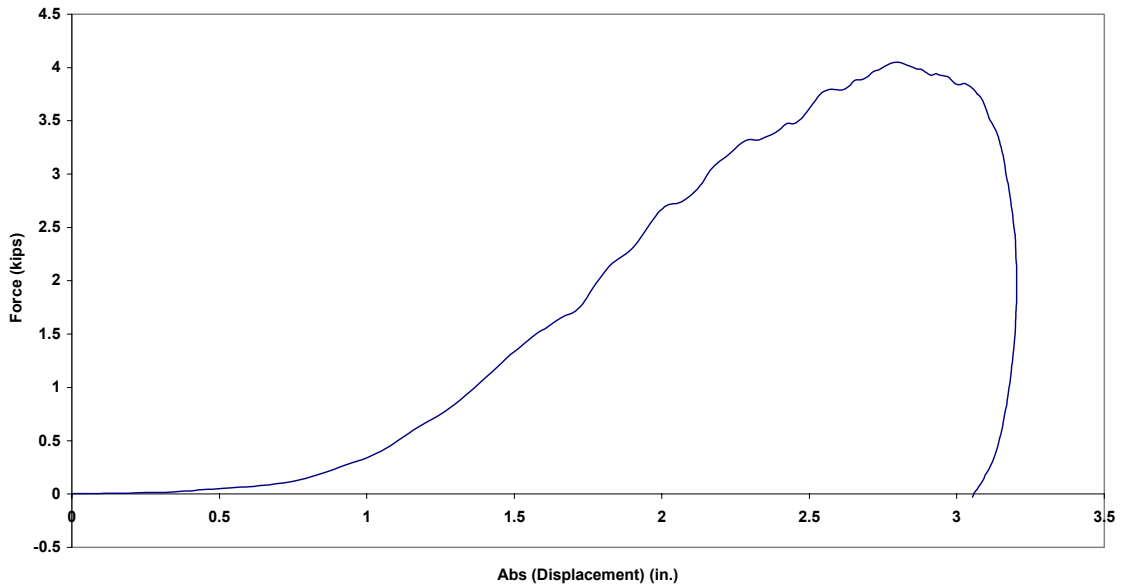


Figure B.93.4 Case 6H: Force vs. Absolute Displacement



Case 7H: New 3/8 in. Amsteel II (85 lb from 37 in.)

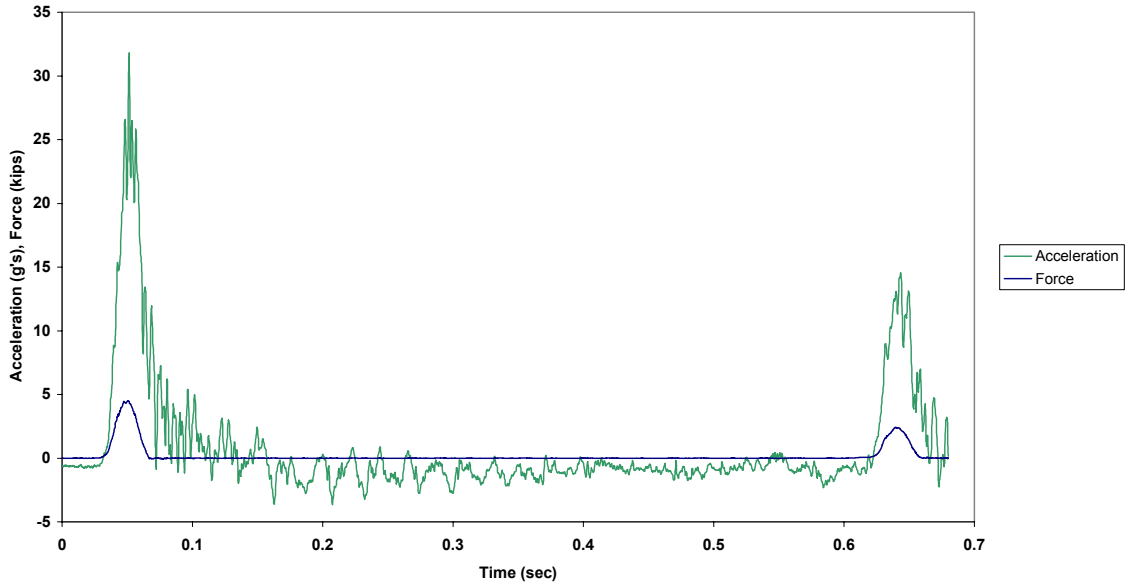


Figure B.94.1 Case 7H: Force and Acceleration vs. Time

Case 7H: New 3/8 in. Amsteel II (85 lb from 37 in.)

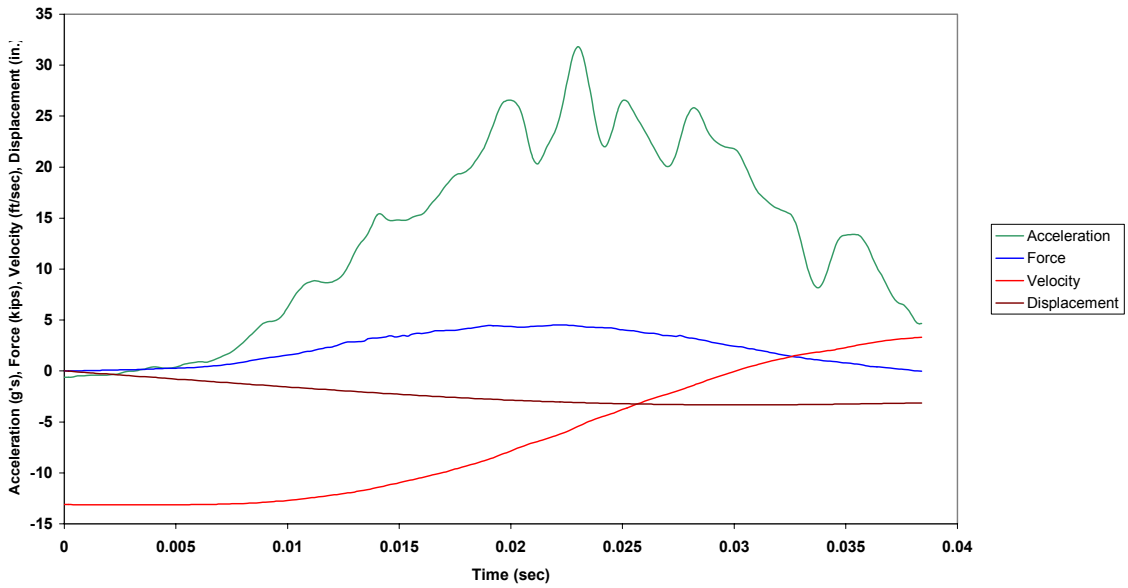


Figure B.94.2 Case 7H: Combined Plot

Case 7H: New 3/8 in. Amsteel II (85 lb from 37 in.)

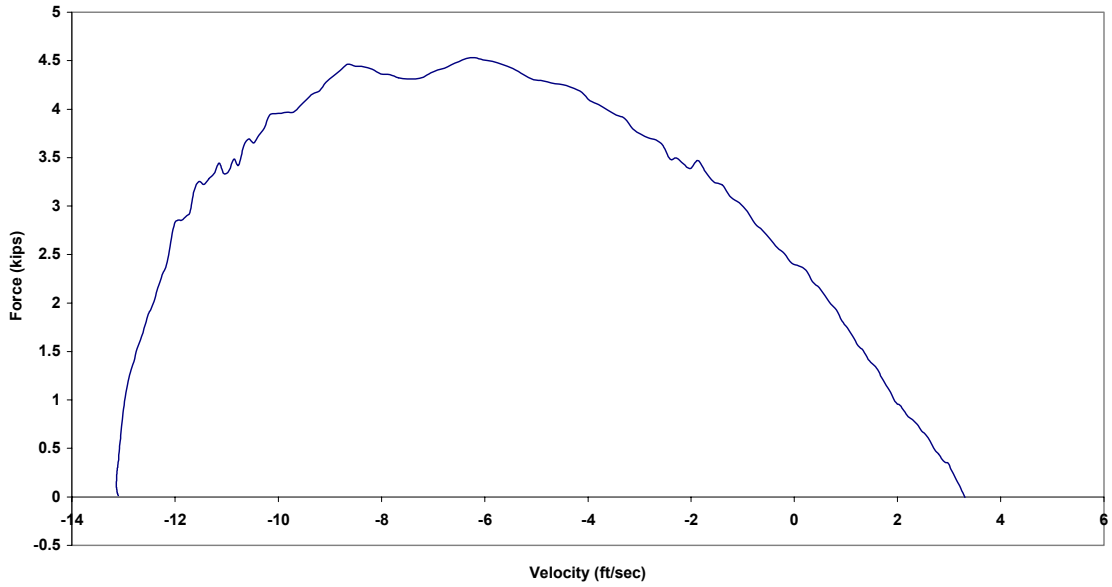


Figure B.94.3 Case 7H: Force vs. Velocity

Case 7H: New 3/8 in. Amsteel II (85 lb from 37 in.)

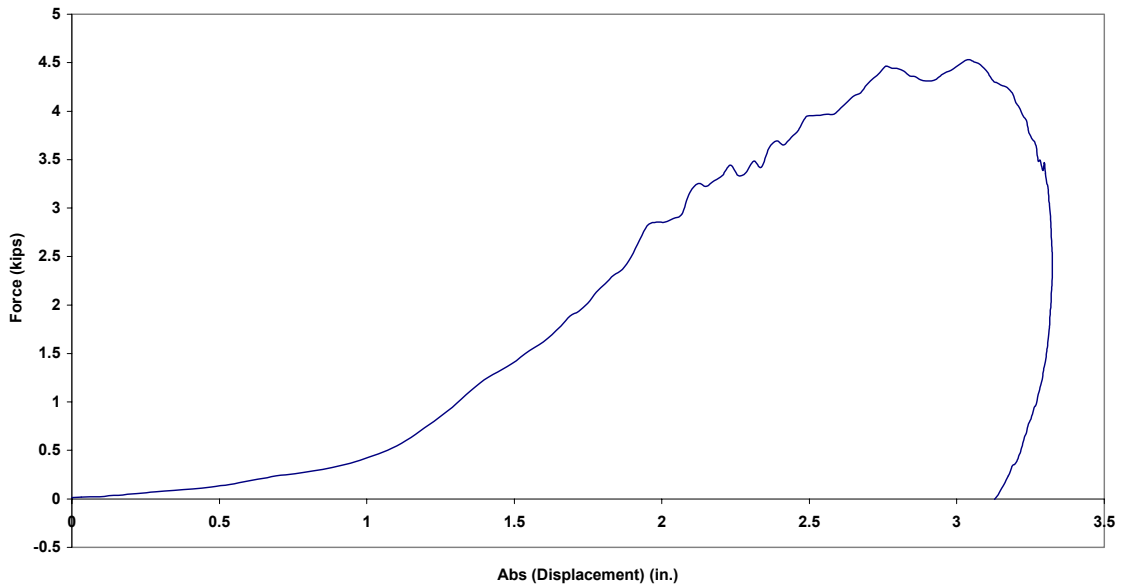


Figure B.94.4 Case 7H: Force vs. Absolute Displacement

Case 8H: New 3/8 in. Amsteel II (85 lb from 63 in.)

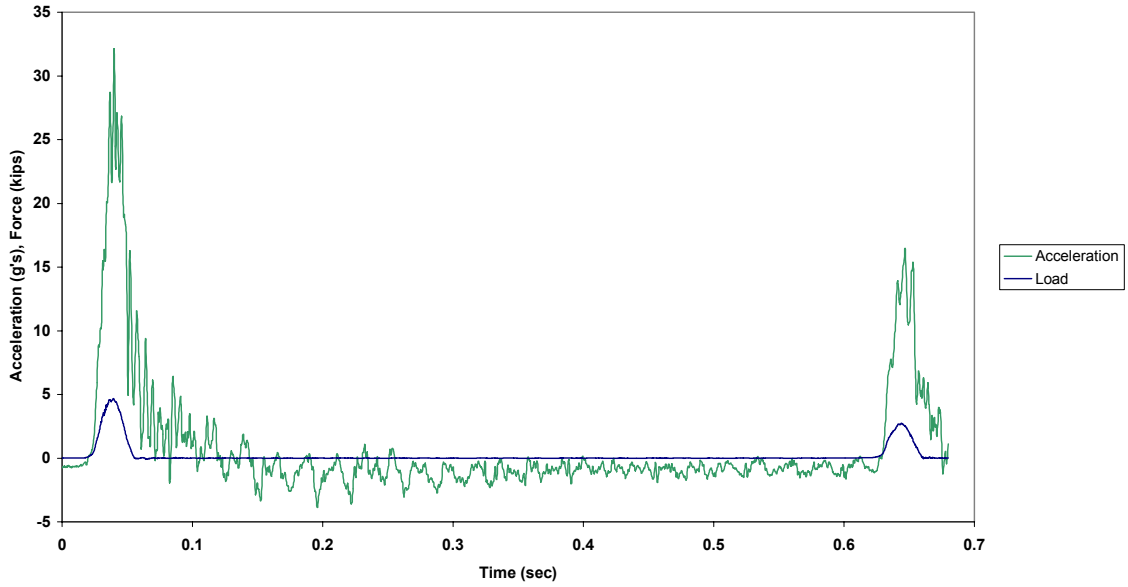


Figure B.95.1 Case 8H: Force and Acceleration vs. Time

Case 8H: New 3/8 in. Amsteel II (85 lb from 63 in.)

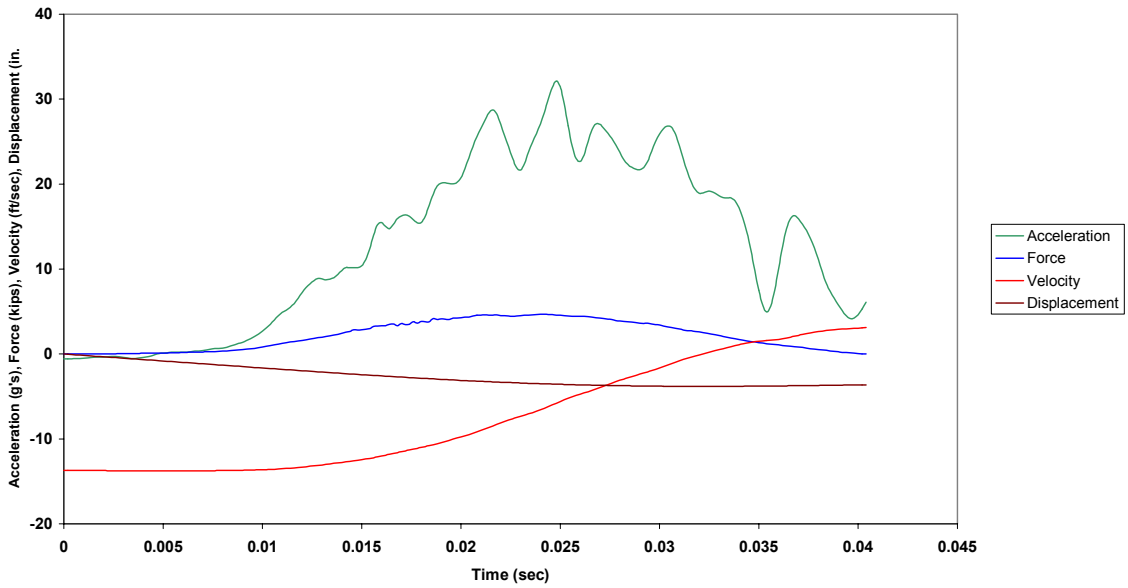


Figure B.95.2 Case 8H: Combined Plot

Case 8H: New 3/8 in. Amsteel II (85 lb from 63 in.)

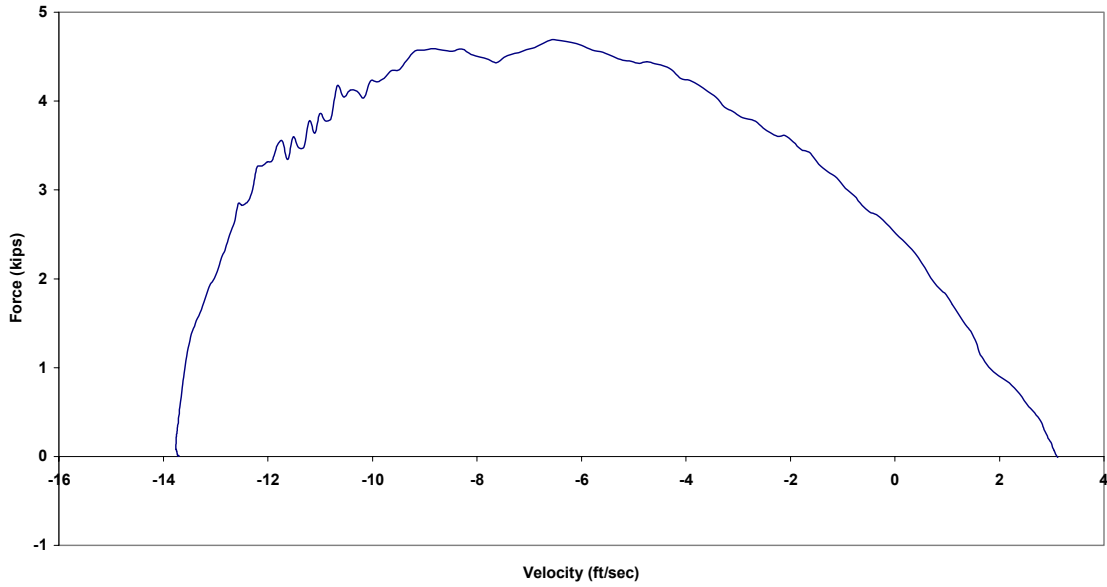


Figure B.95.3 Case 8H: Force vs. Velocity

Case 8H: New 3/8 in. Amsteel II (85 lb from 63 in.)

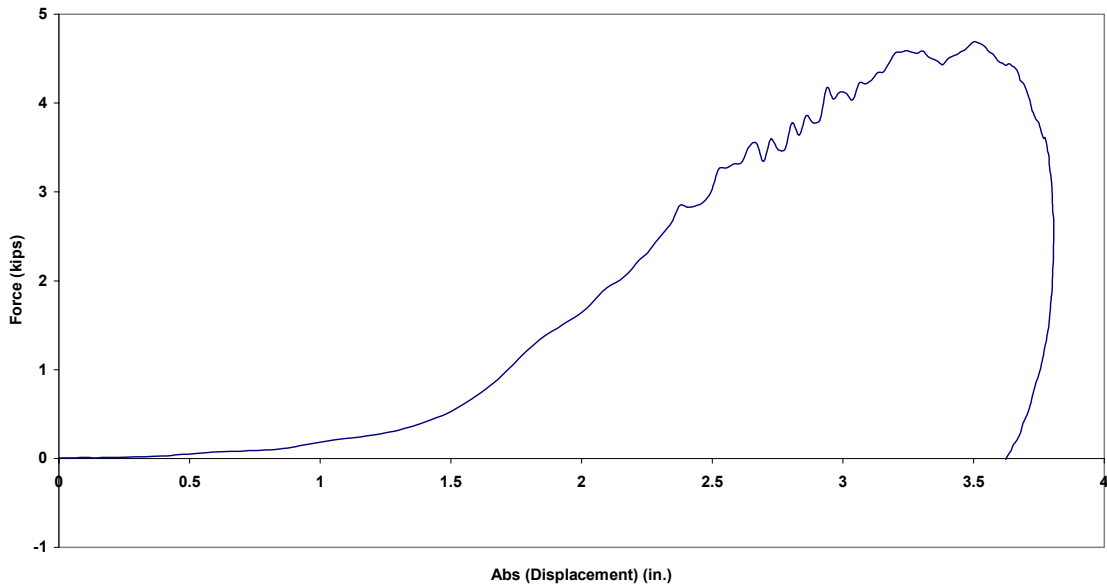


Figure B.95.4 Case 8H: Force vs. Absolute Displacement

Case 9H: New 3/8 in. Amsteel II (85 lb from 69 in.)

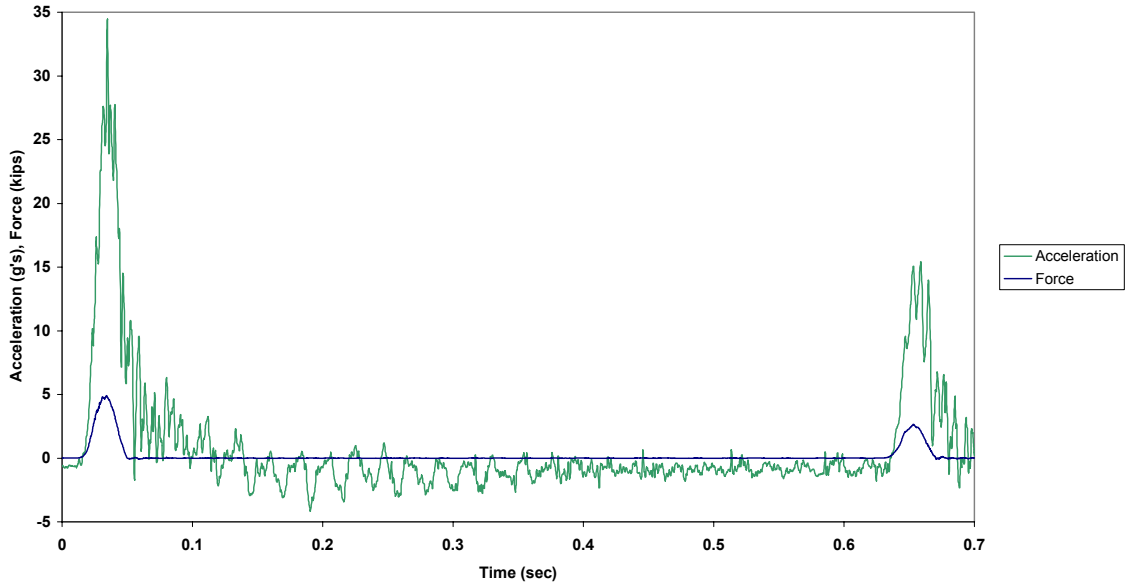


Figure B.96.1 Case 9H: Force and Acceleration vs. Time

Case 9H: New 3/8 in. Amsteel II (85 lb from 69 in.)

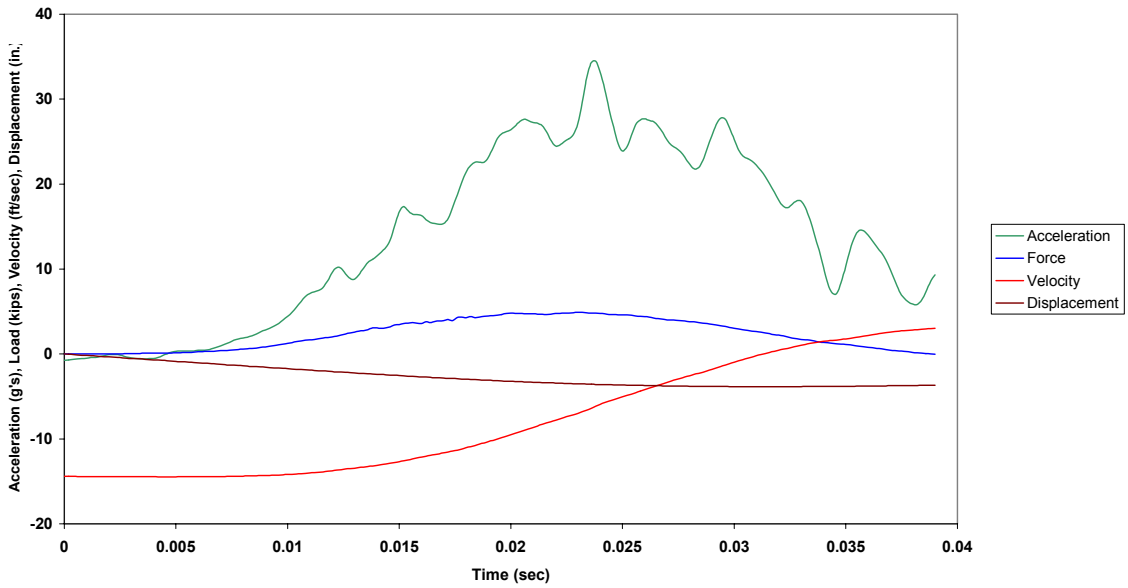


Figure B.96.2 Case 9H: Combined Plot

Case 9H: New 3/8 in. Amsteel II (85 lb from 69 in.)

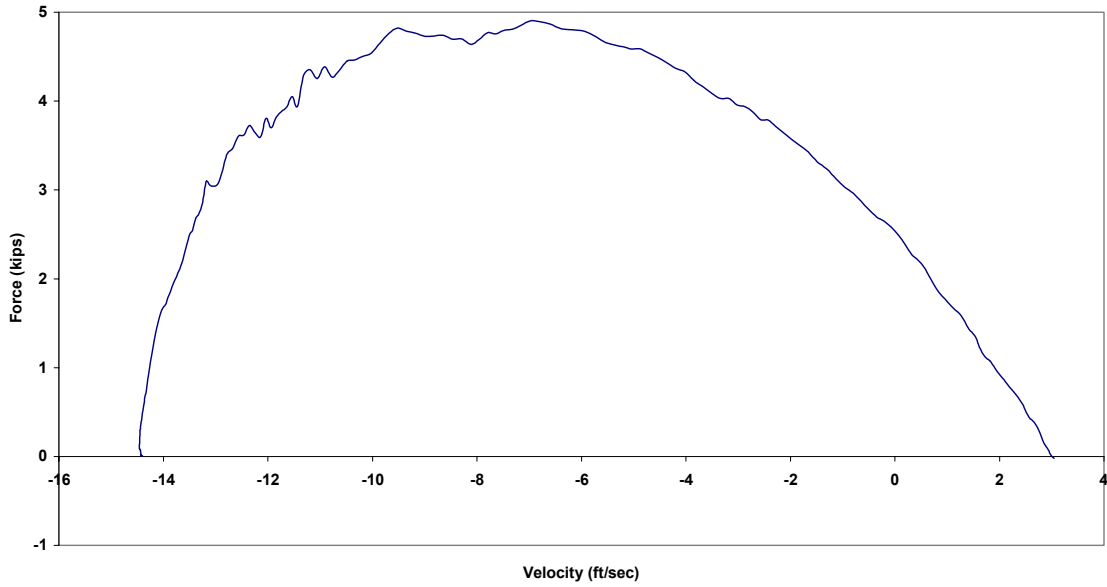


Figure B.96.3 Case 9H: Force vs. Velocity

Case 9H: New 3/8 in. Amsteel II (85 lb from 69 in.)

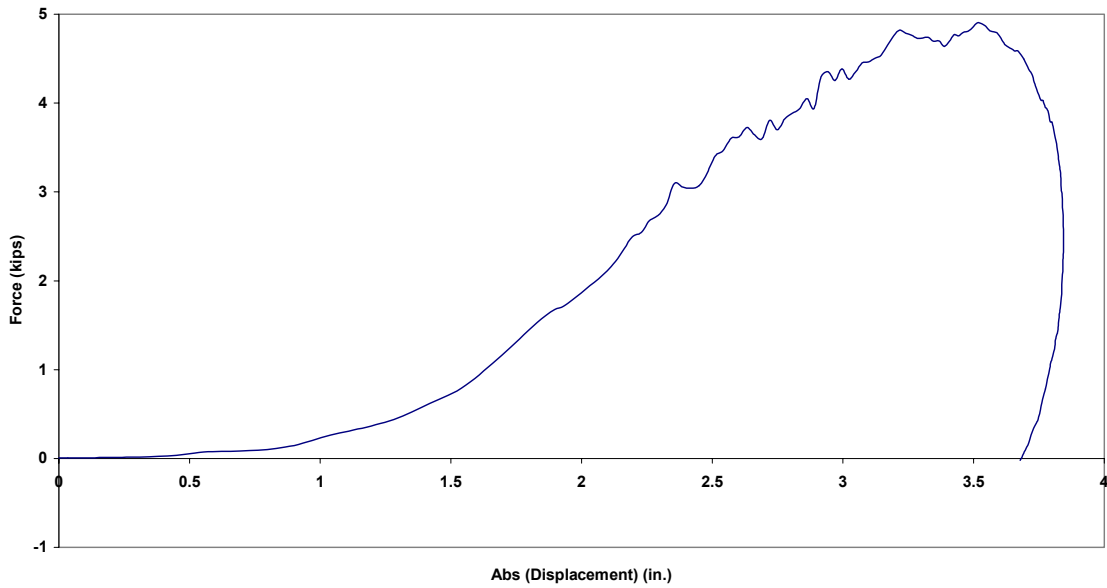


Figure B.96.4 Case 9H: Force vs. Absolute Displacement

<b>3/4-inch RP Ultra Blue (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1I	1	53	65
Test 2I	2	53	65
Test 3I	3	53	65
Test 4I	4	53	65
Test 5I	5	53	65
Test Sequence Two			
Test 6I	6	58	85
Test 7I	7	58	85
Test 8I	8	58	85
Test 9I	9	58	85
Test Sequence Three			
Test 10I	10	53	65
Test 11I	11	53	85
Test 12I	12	53	105
Test 13I	13	53	105
Test 14I	14	53	85
Test 15I	15	53	65
Test 16I	16	53	45

Table B.3.1 Test Sequence for 3/4 in. RP Ultra Blue (New)

<b>3/4-inch RP Ultra Blue (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1J	1	54	65
Test 2J	2	66	65
Test 3J	3	78	65
Test 4J	4	90	65
Test 5J	5	96	65
Test Sequence Two			
Test 6J	6	58	85
Test 7J	7	70	85
Test 8J	8	82	85
Test 9J	9	94	85
Test Sequence Three			
Test 10J	10	59	105
Test 11J	11	59	105
Test 12J	12	59	105

Table B.3.2 Test Sequence for 3/4 in. RP Ultra Blue (Precycled)

Case 1I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

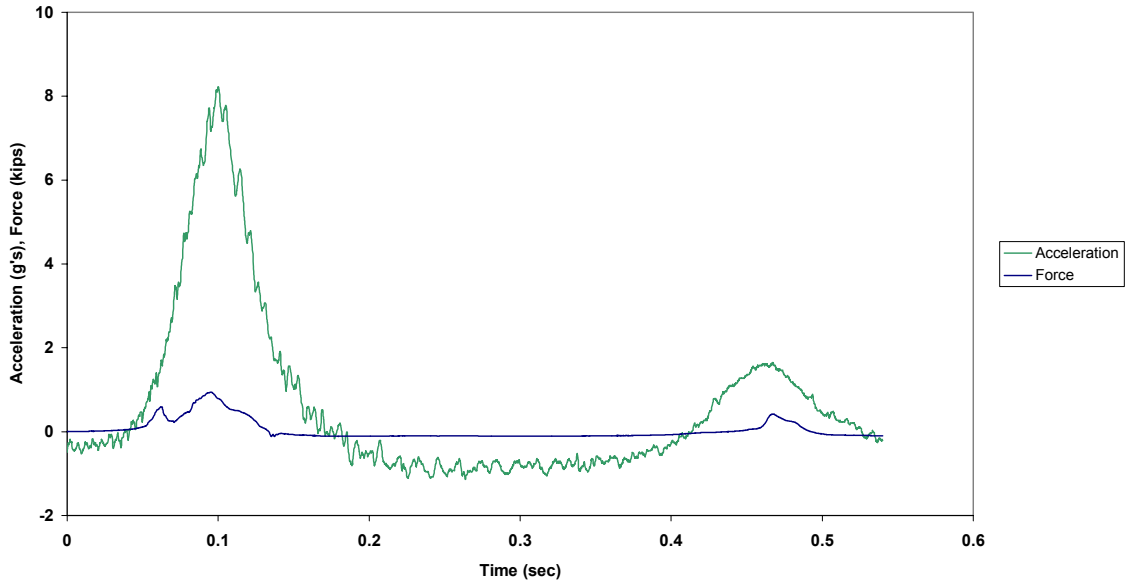


Figure B.97.1 Case 1I: Force and Acceleration vs. Time

Case 1I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

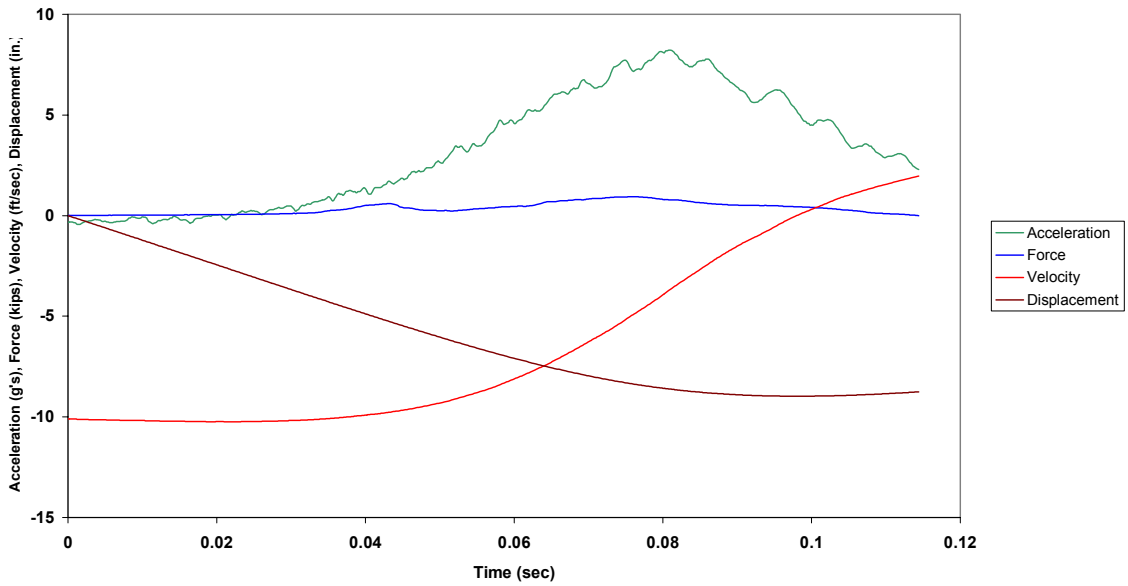


Figure B.97.2 Case 1I: Combined Plot



Case 1I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

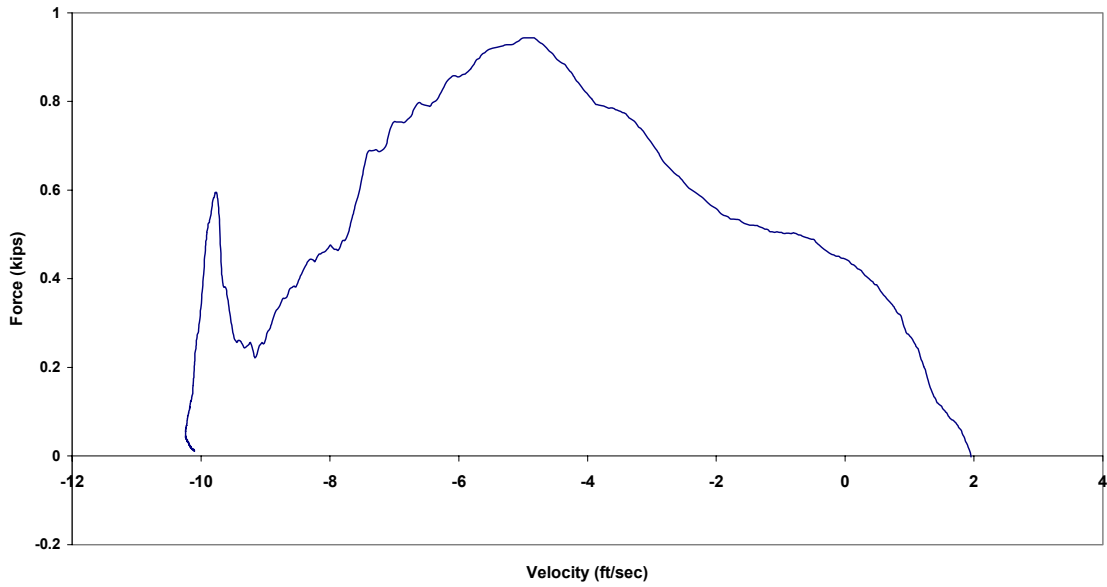


Figure B.97.3 Case 1I: Force vs. Velocity

Case 1I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

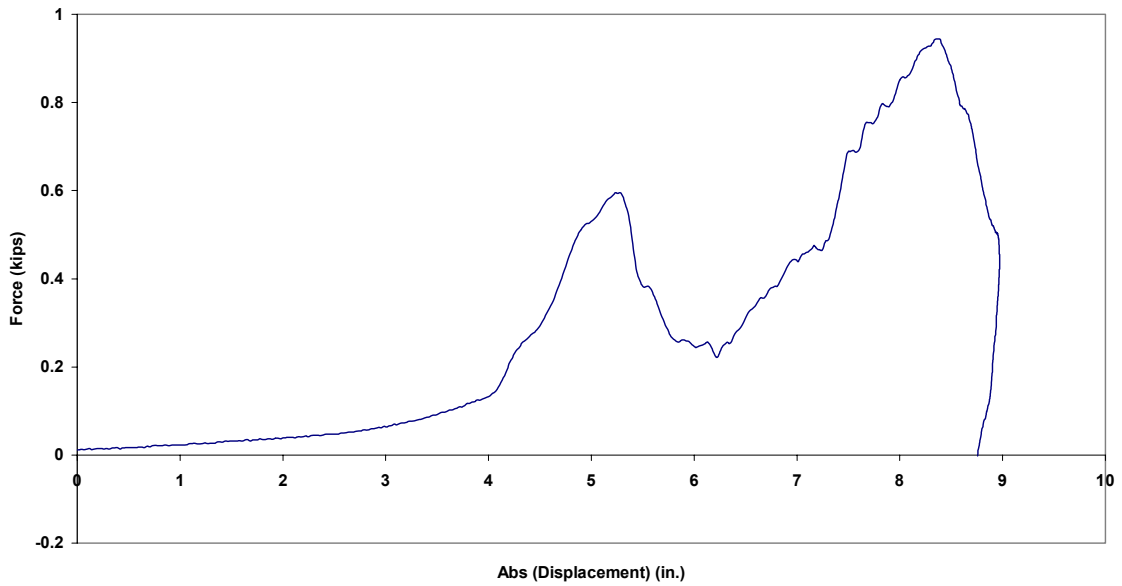


Figure B.97.4 Case 1I: Force vs. Absolute Displacement

Case 2I: New 3/4 in. RP Ultra Blue (65 lbs. from 53 in.)

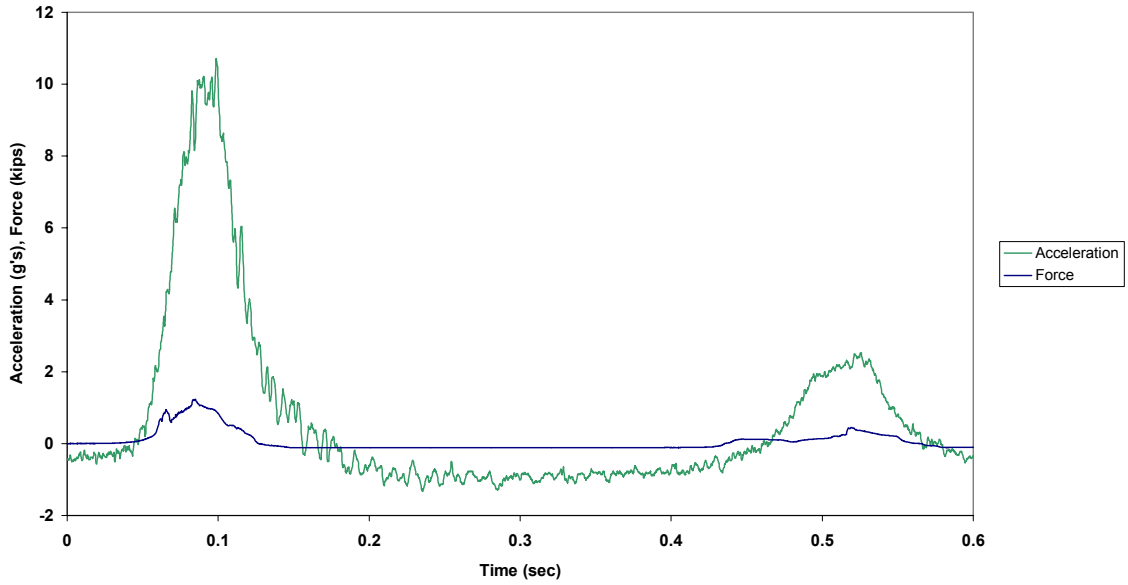


Figure B.98.1 Case 2I: Force and Acceleration vs. Time

Case 2I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

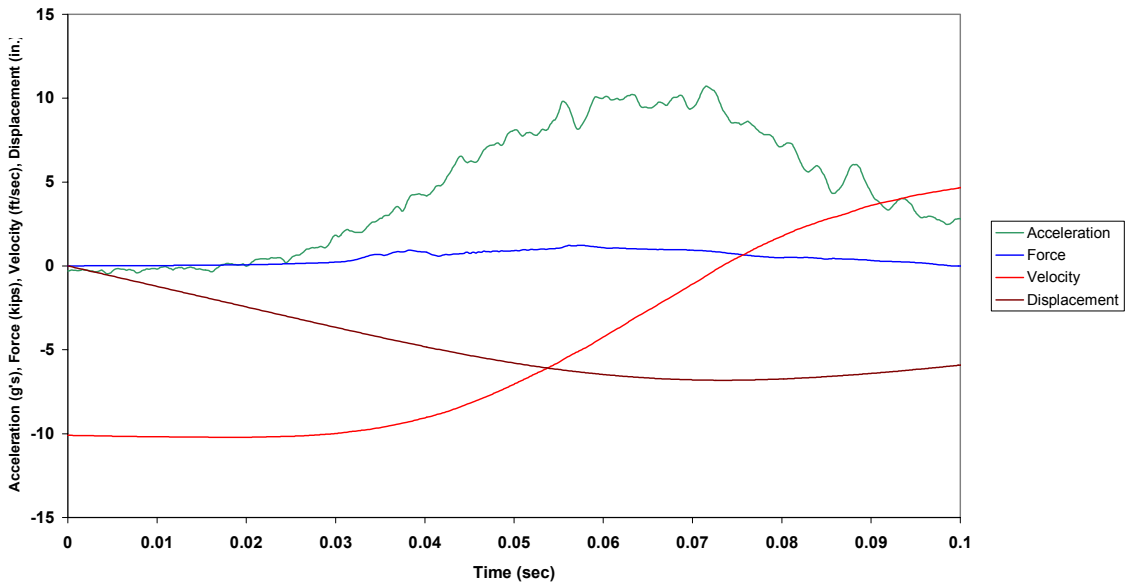


Figure B.98.2 Case 2I: Combined Plot

Case 2I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

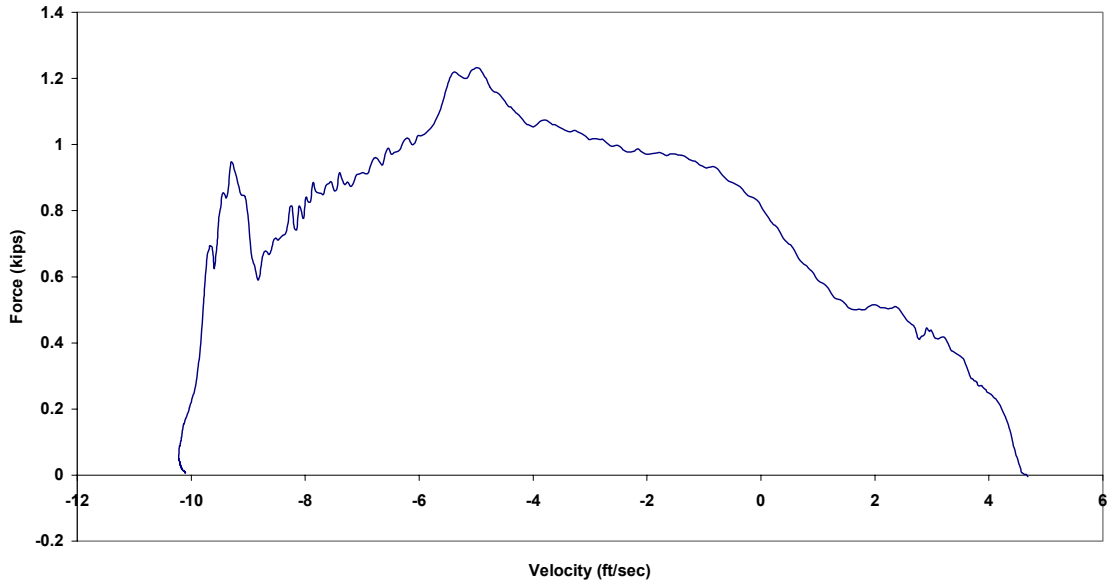


Figure B.98.3 Case 2I: Force vs. Velocity

Case 2I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

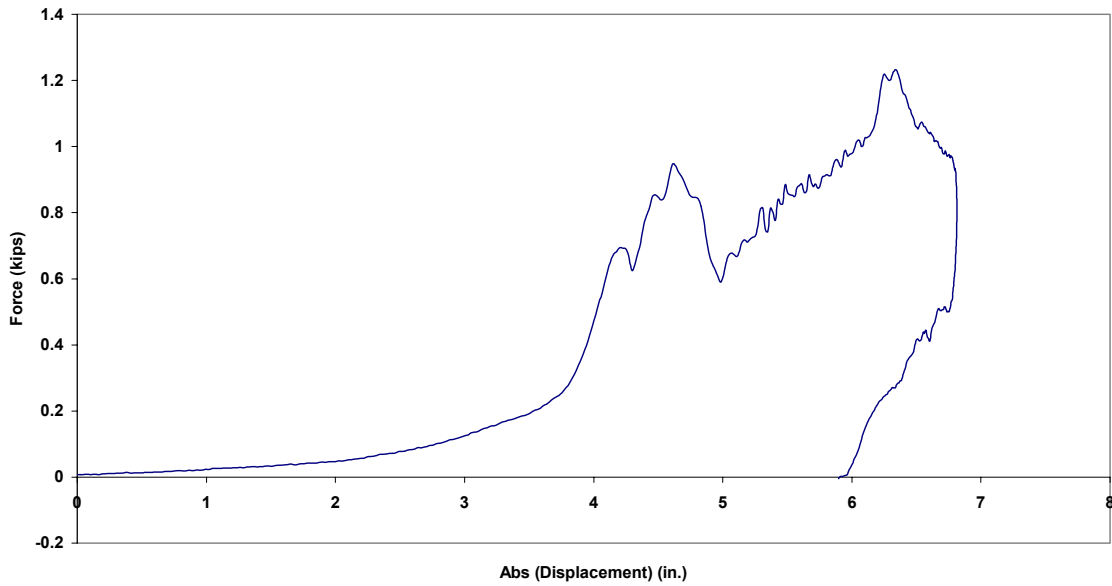


Figure B.98.4 Case 2I: Force vs. Absolute Displacement

Case 3I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

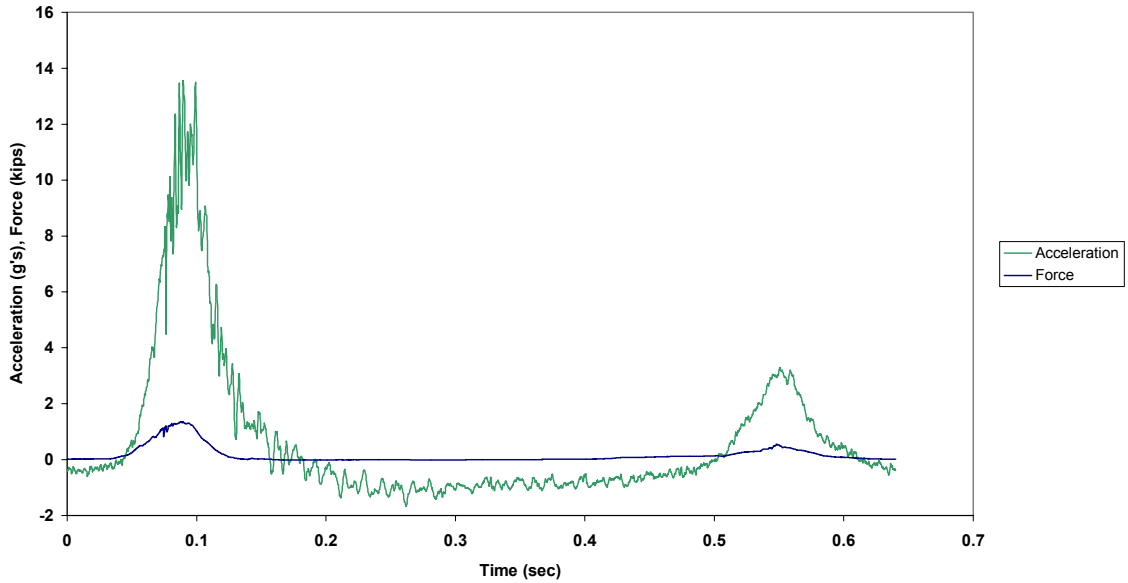


Figure B.99.1 Case 3I: Force and Acceleration vs. Time

Case 3I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

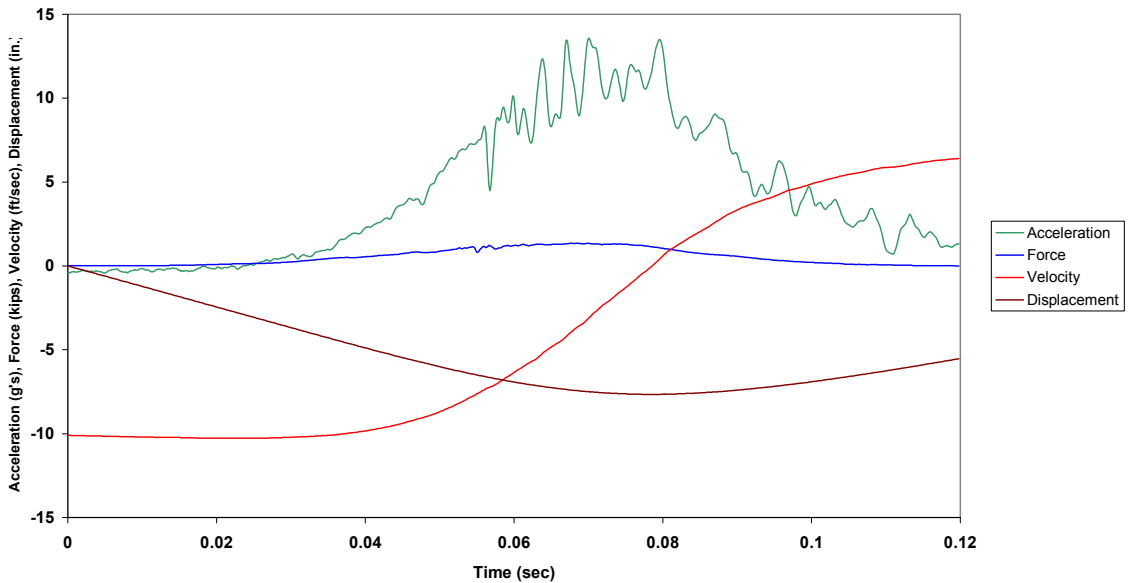


Figure B.99.2 Case 3I: Combined Plot

Case 3I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

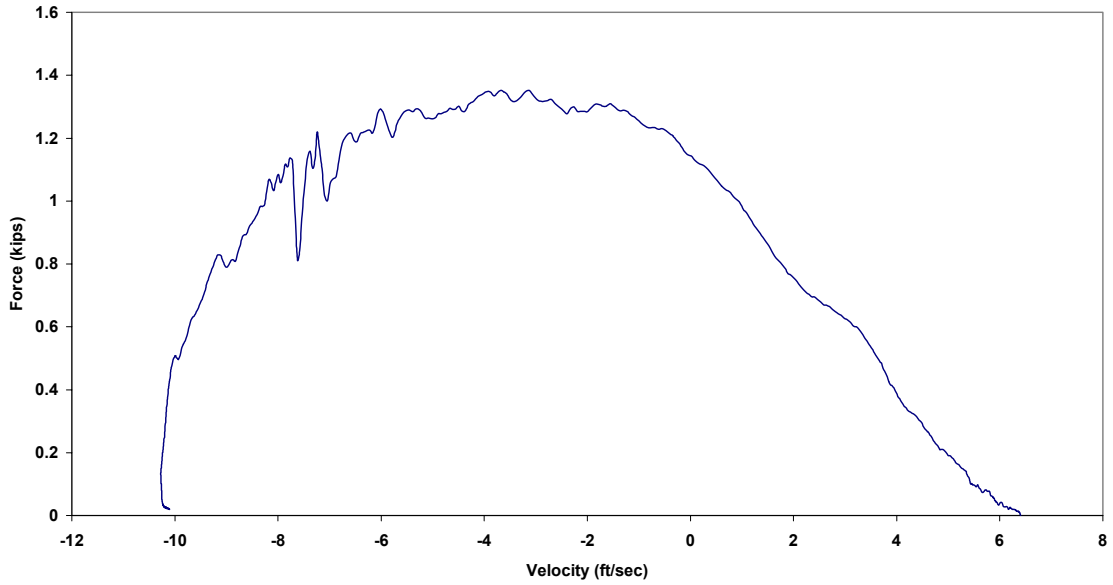


Figure B.99.3 Case 3I: Force vs. Velocity

Case 3I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

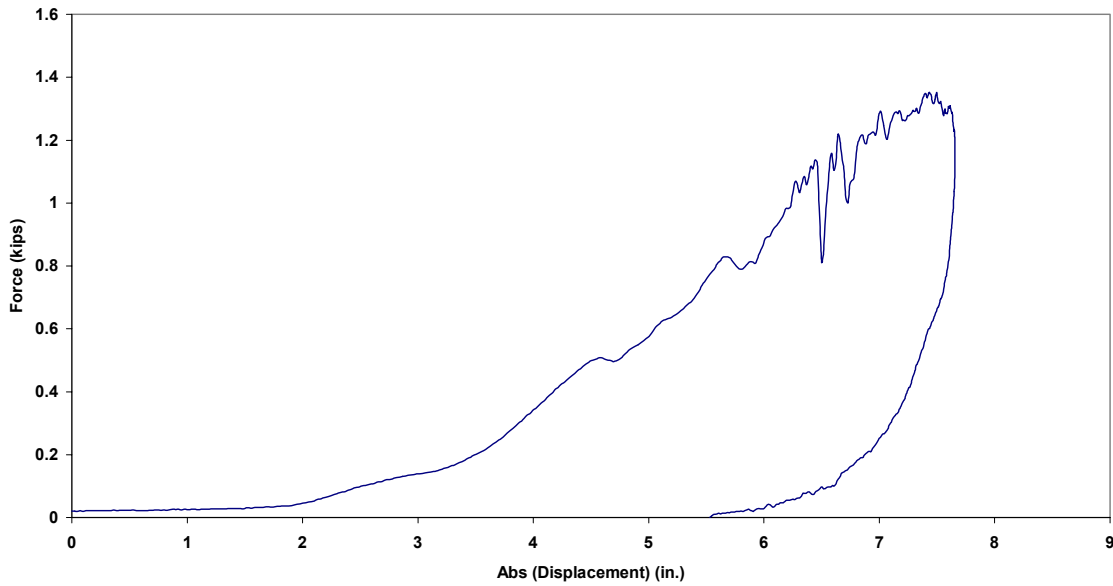


Figure B.99.4 Case 3I: Force vs. Absolute Displacement

Case 4I: New 3/4 in. RP Ultra Blue (65 lbs. from 53 in.)

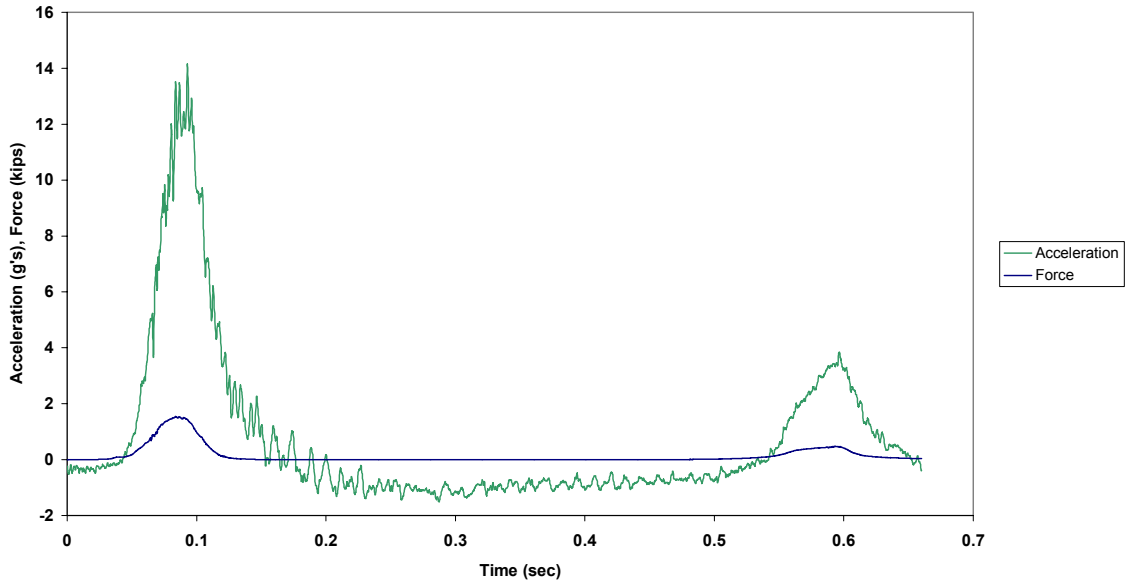


Figure B.100.1 Case 4I: Force and Acceleration vs. Time

Case 4I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

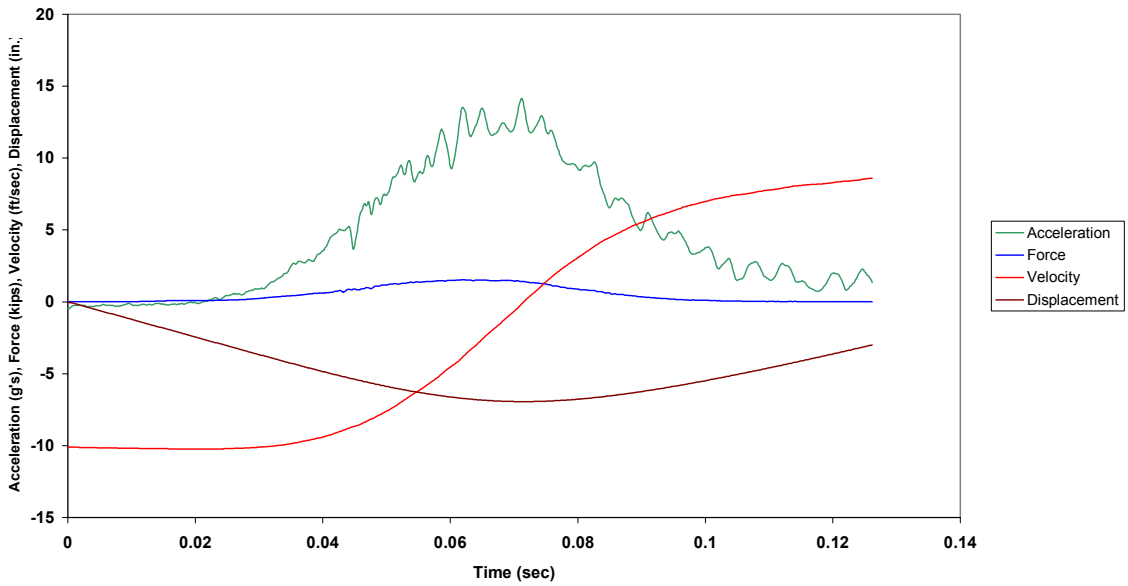


Figure B.100.2 Case 4I: Combined Plot

Case 4I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

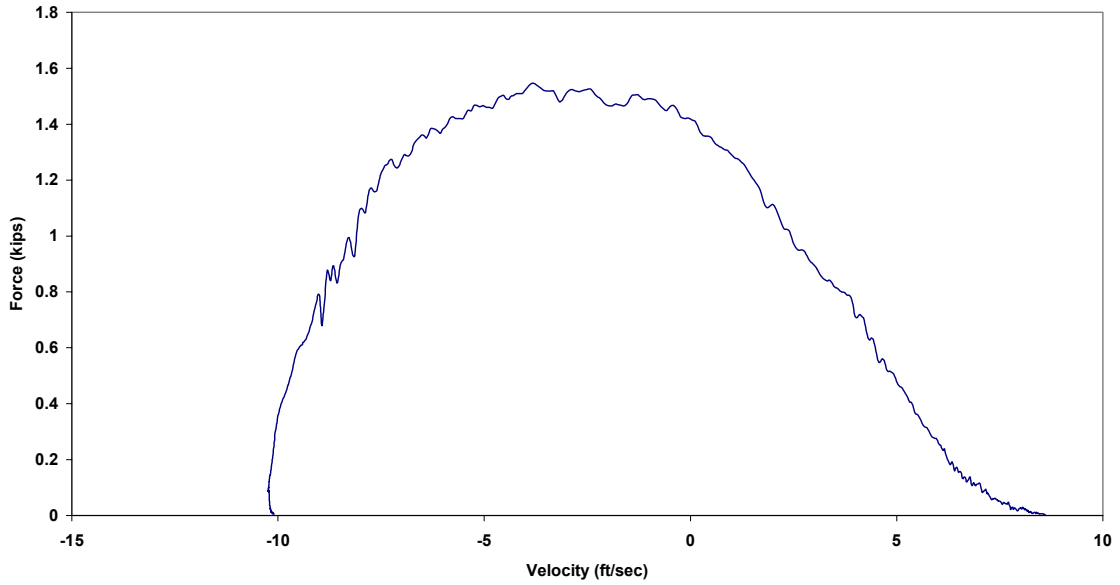


Figure B.100.3 Case 4I: Force vs. Velocity

Case 4I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

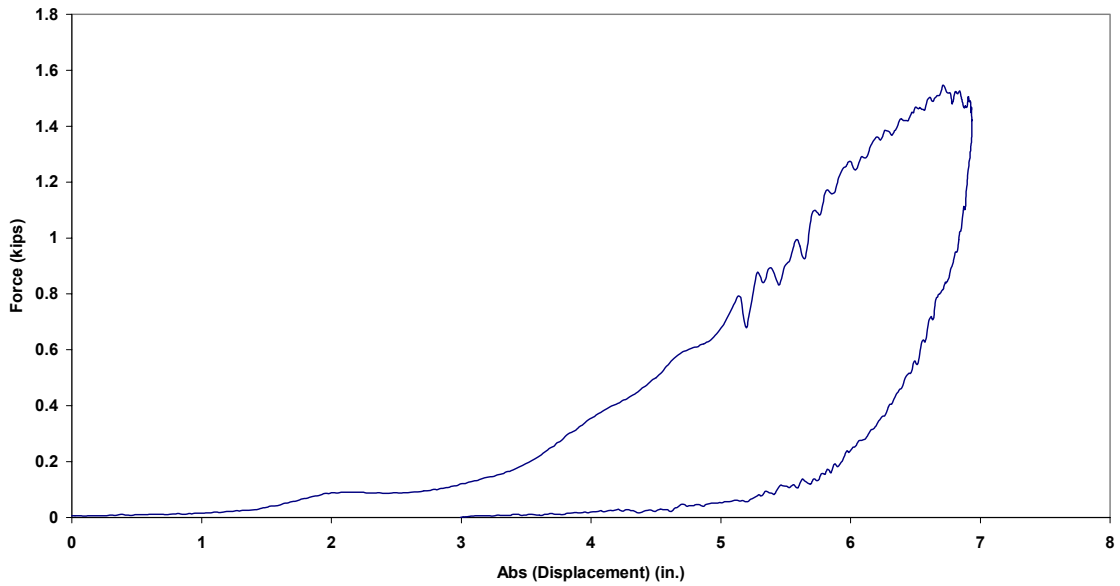


Figure B.100.4 Case 4I: Force vs. Absolute Displacement

Case 5I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

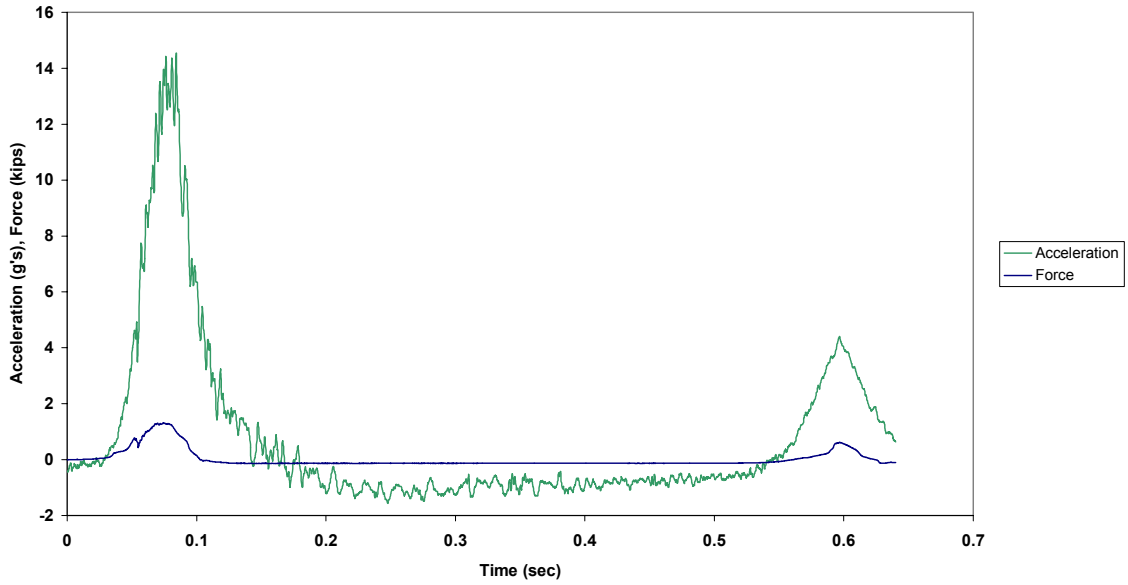


Figure B.101.1 Case 5I: Force and Acceleration vs. Time

Case 5I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

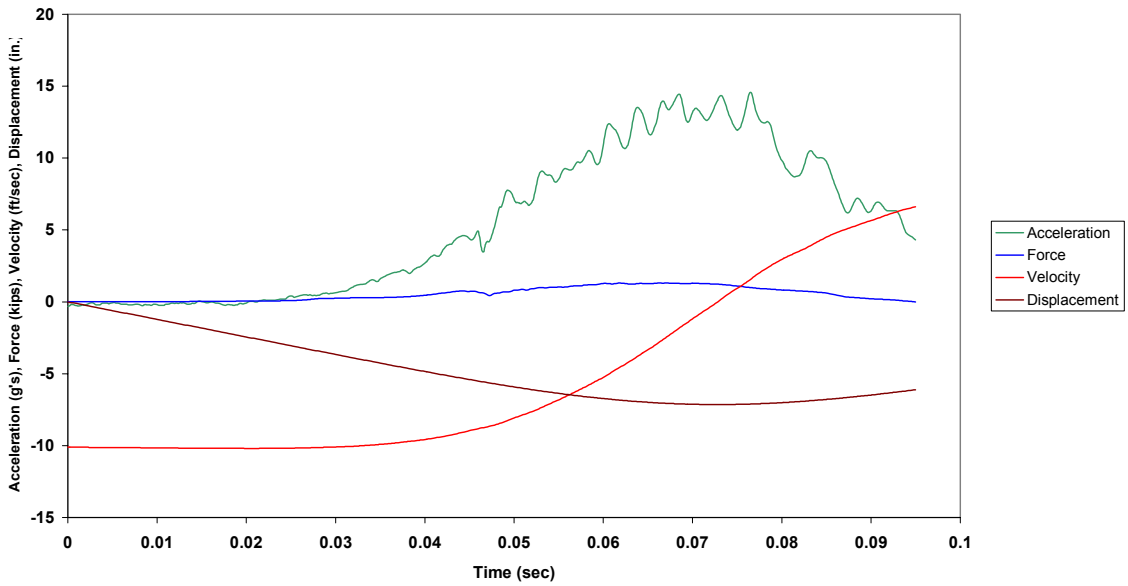


Figure B.101.2 Case 5I: Combined Plot



Case 5I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

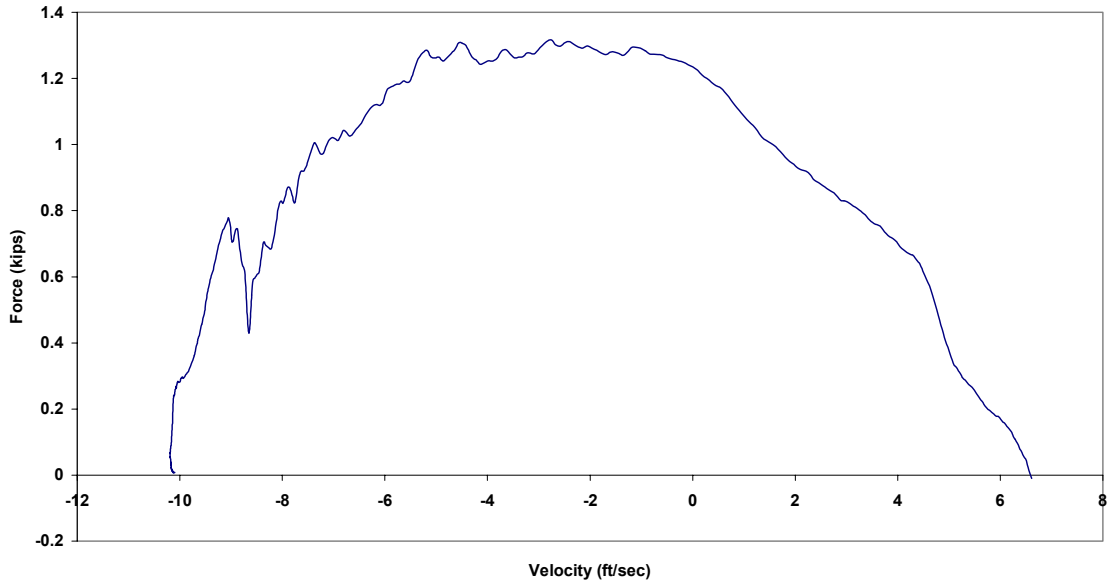


Figure B.101.3 Case 5I: Force vs. Velocity

Case 5I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

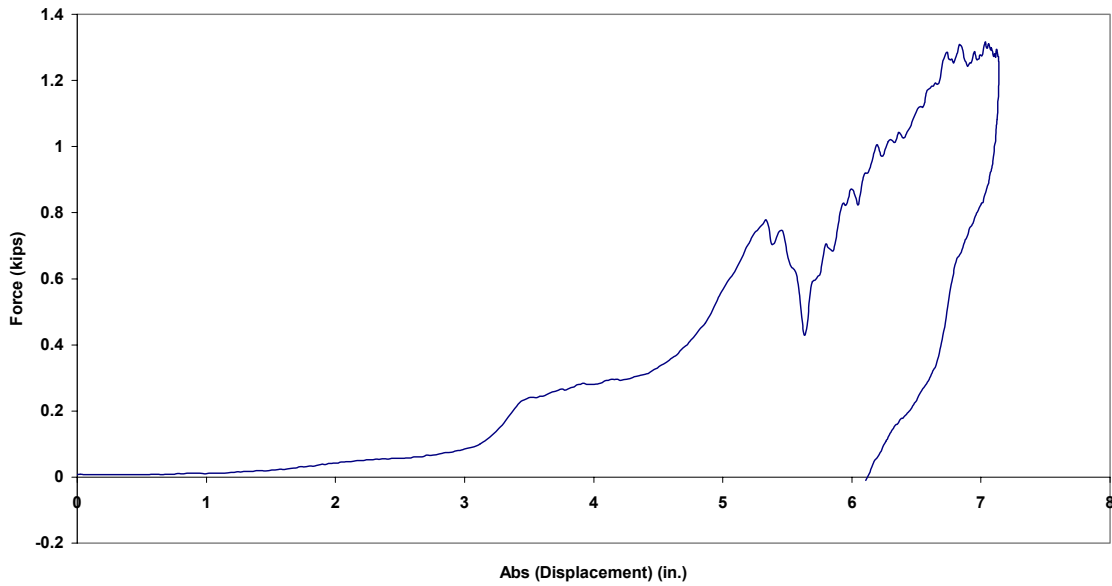


Figure B.101.4 Case 5I: Force vs. Absolute Displacement

Case 6I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

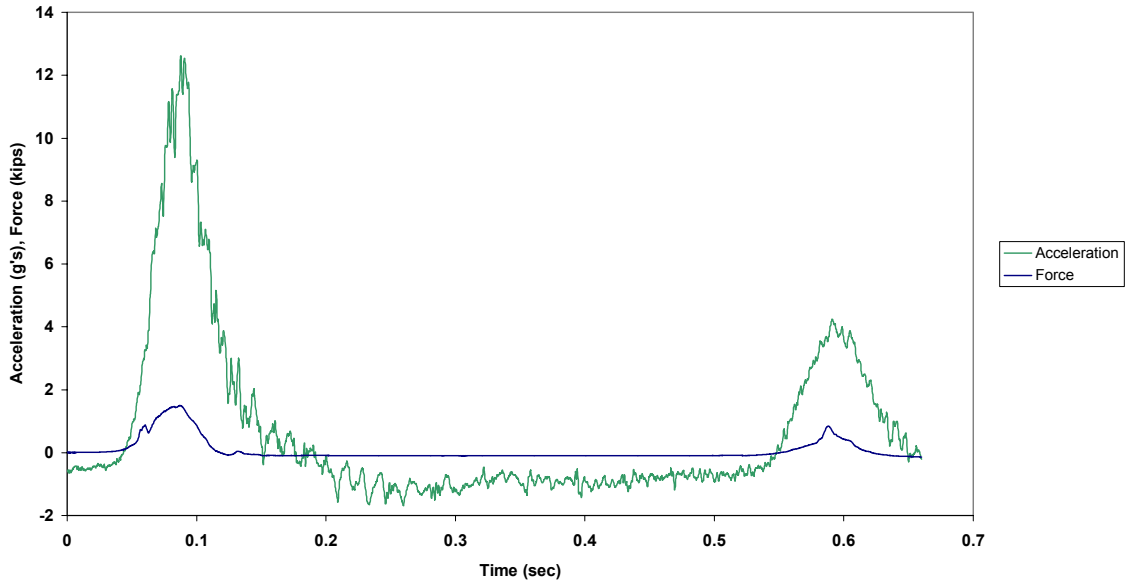


Figure B.102.1 Case 6I: Force and Acceleration vs. Time

Case 6I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

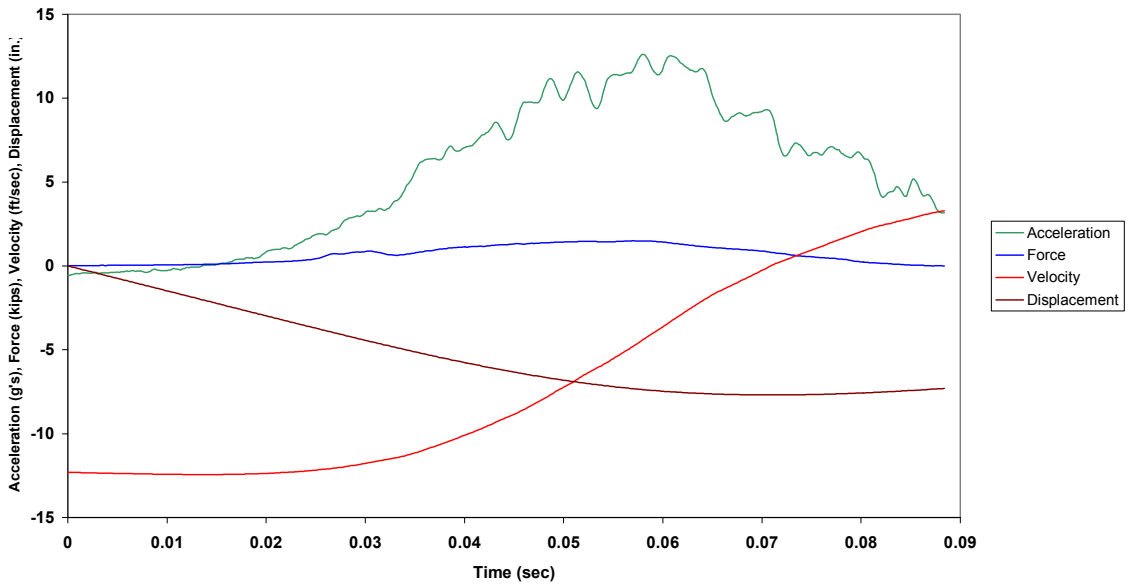


Figure B.102.2 Case 6I: Combined Plot

Case 6I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

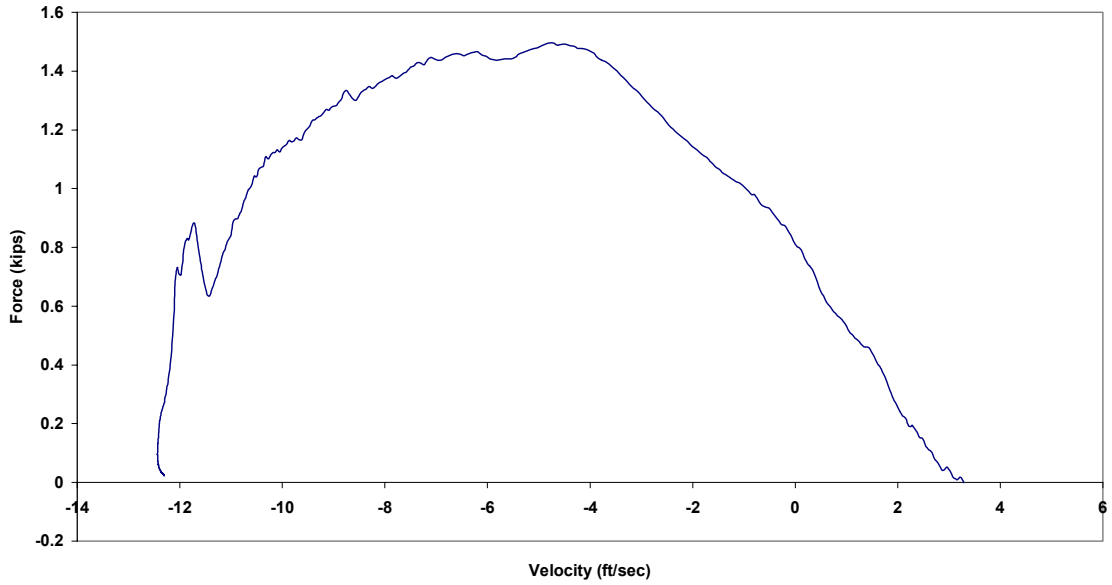


Figure B.102.3 Case 6I: Force vs. Velocity

Case 6I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

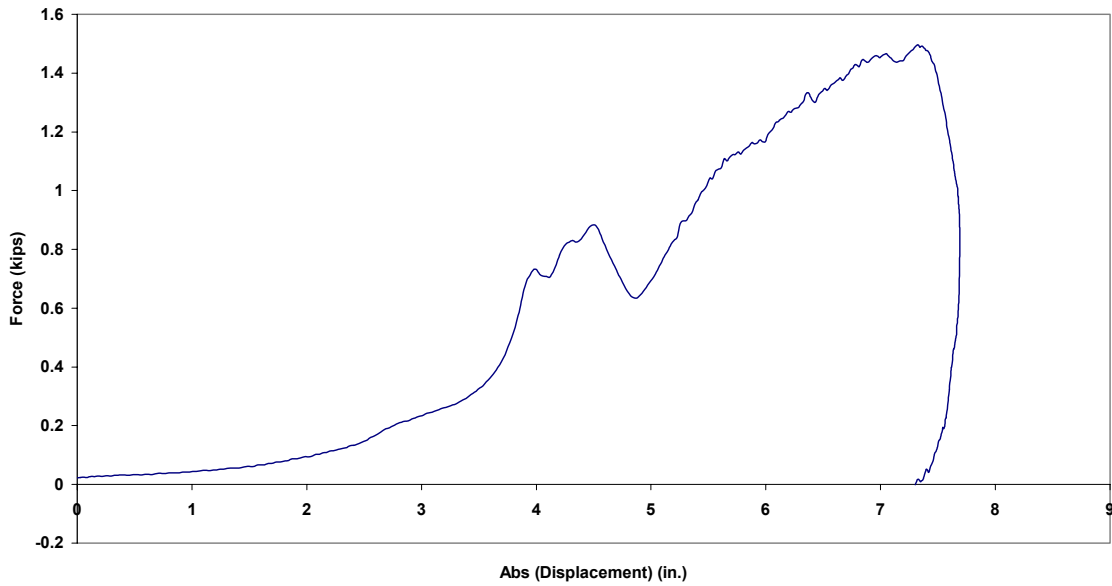


Figure B.102.4 Case 6I: Force vs. Absolute Displacement

Case 7I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

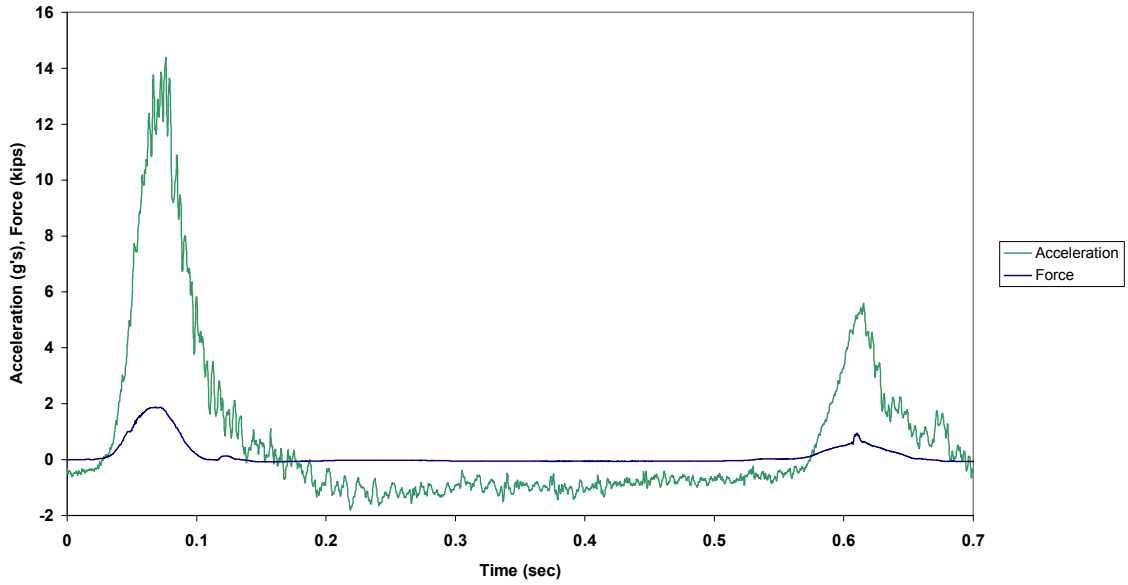


Figure B.103.1 Case 7I: Force and Acceleration vs. Time

Case 7I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

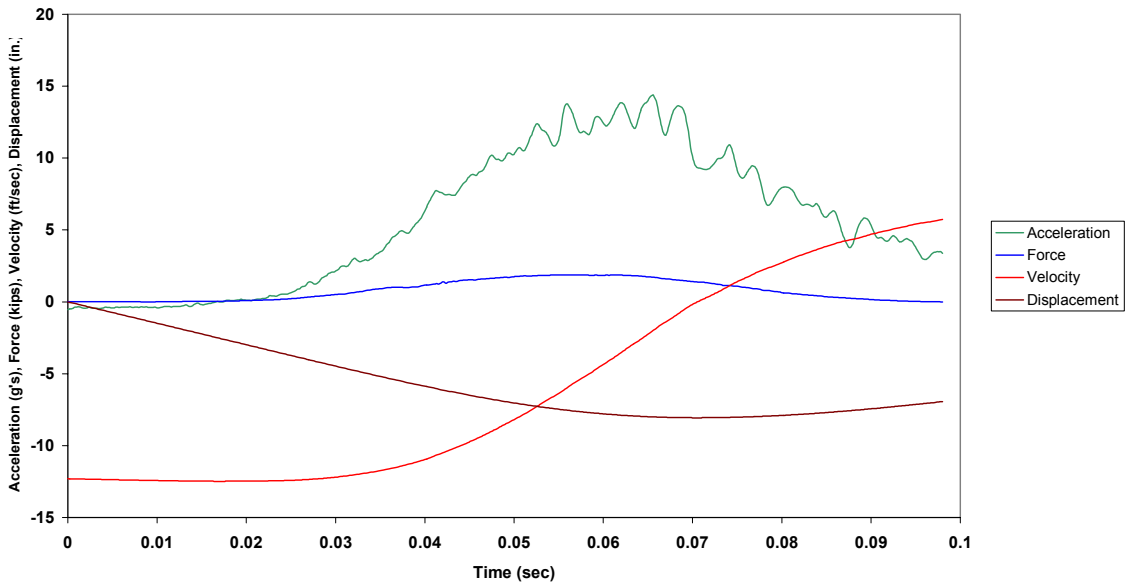


Figure B.103.2 Case 7I: Combined Plot

Case 7I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

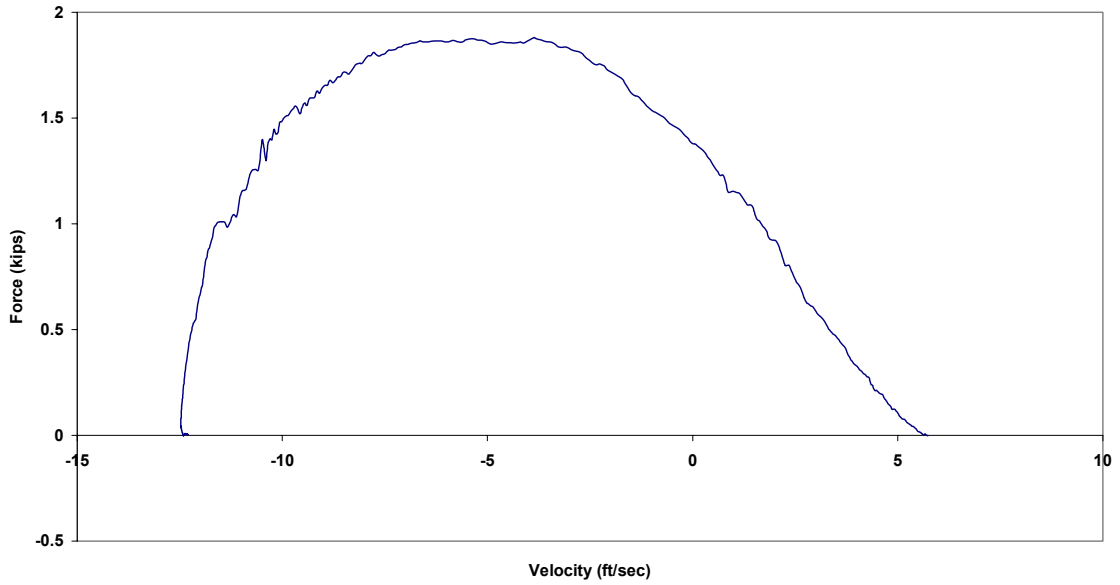


Figure B.103.3 Case 7I: Force vs. Velocity

Case 7I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

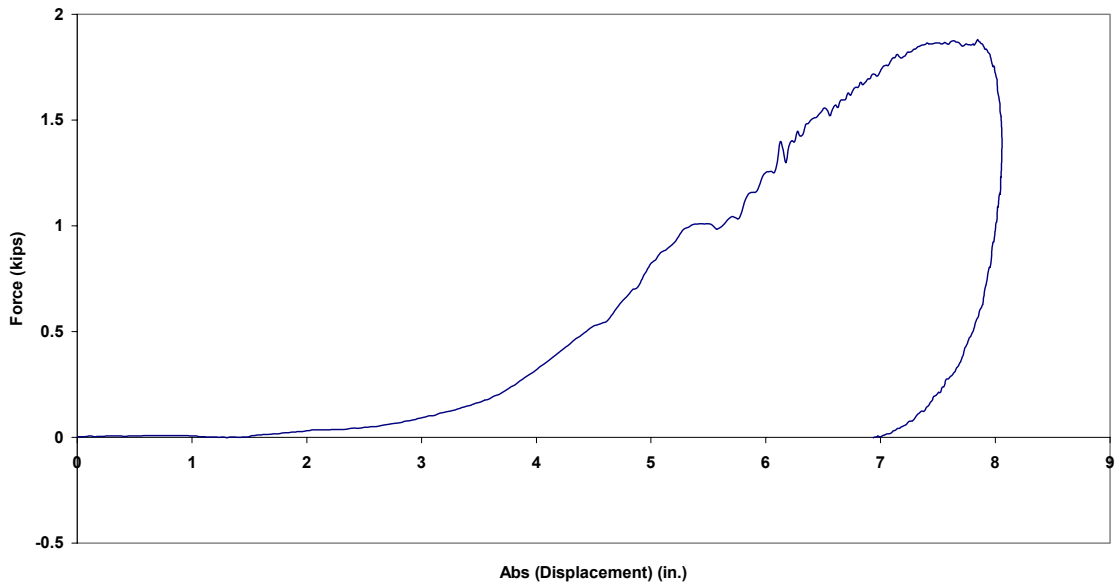


Figure B.103.4 Case 7I: Force vs. Absolute Displacement

Case 8I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

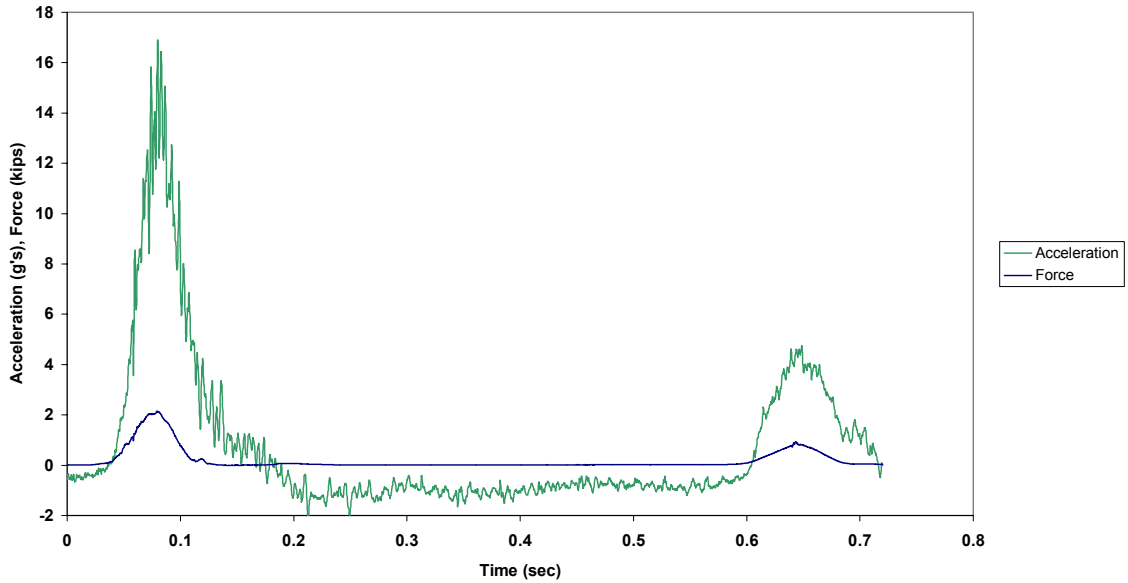


Figure B.104.1 Case 8I: Force and Acceleration vs. Time

Case 8I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

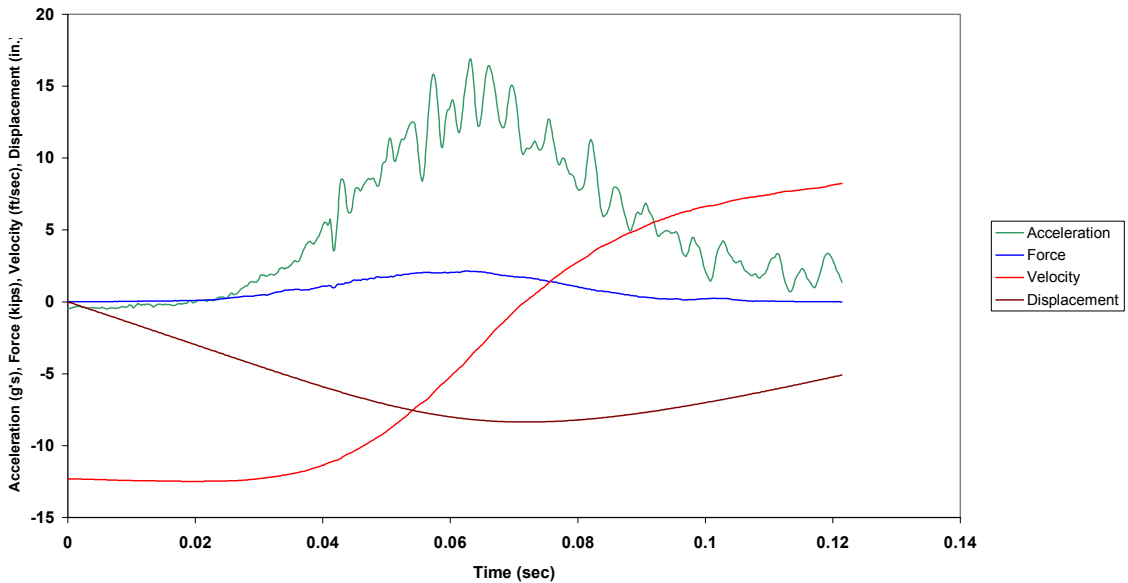


Figure B.104.2 Case 8I: Combined Plot

Case 8I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

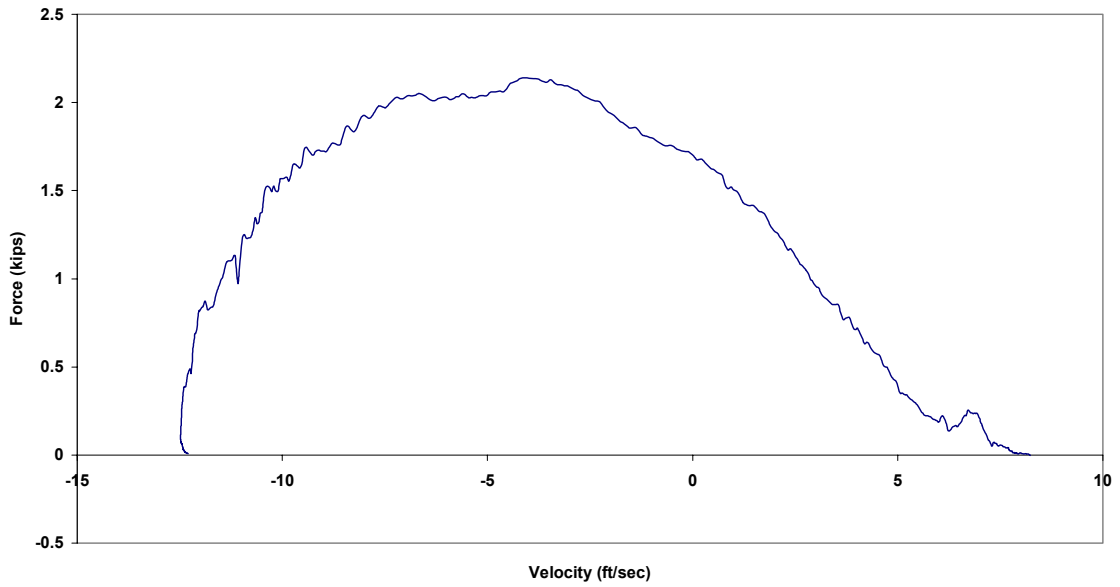


Figure B.104.3 Case 8I: Force vs. Velocity

Case 8I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

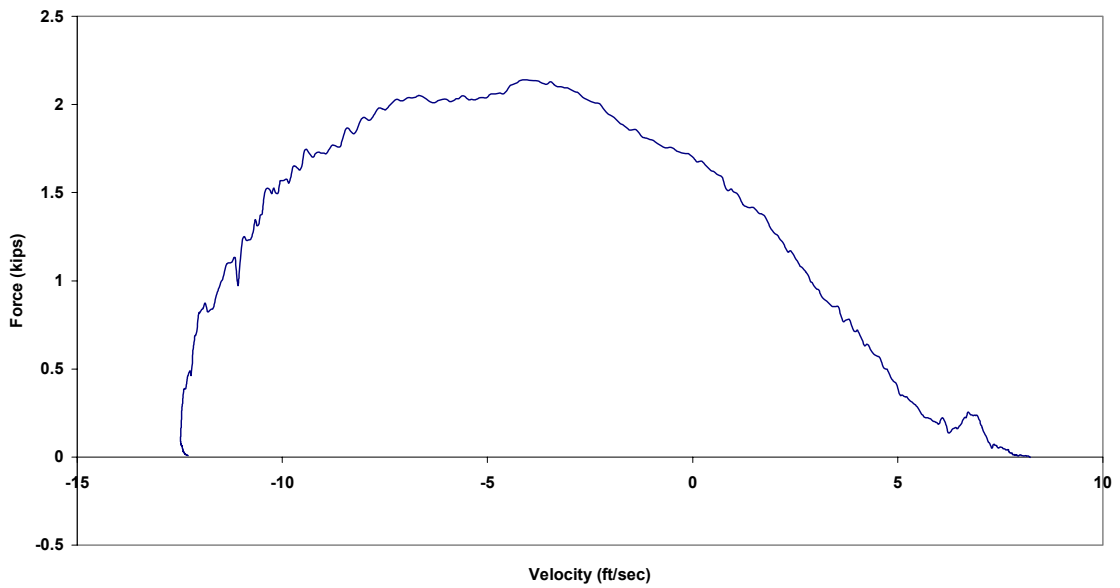


Figure B.104.4 Case 8I: Force vs. Absolute Displacement

Case 9I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

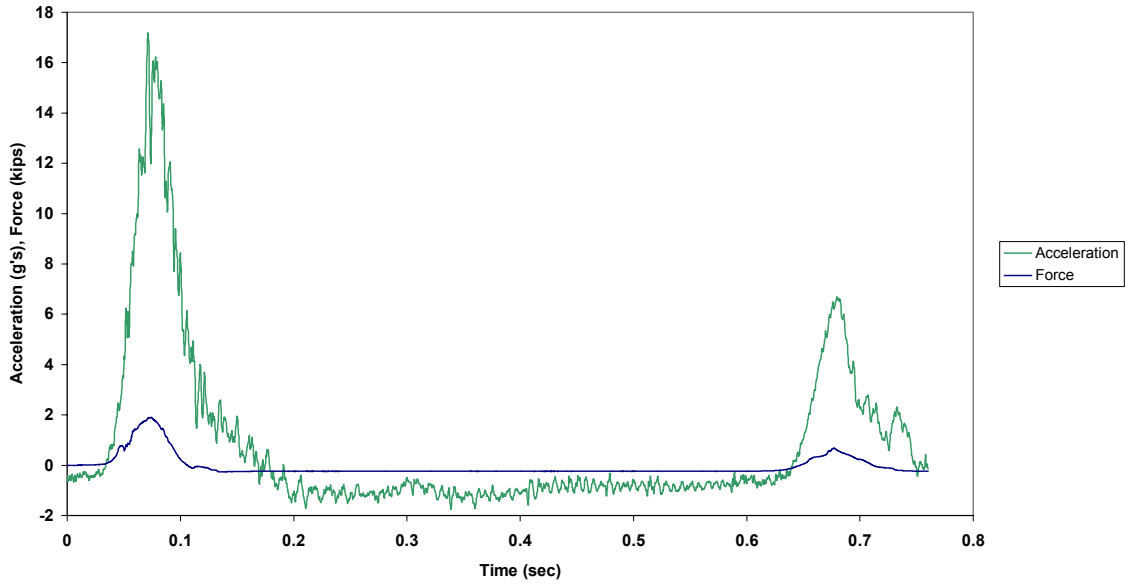


Figure B.105.1 Case 9I: Force and Acceleration vs. Time

Case 9I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

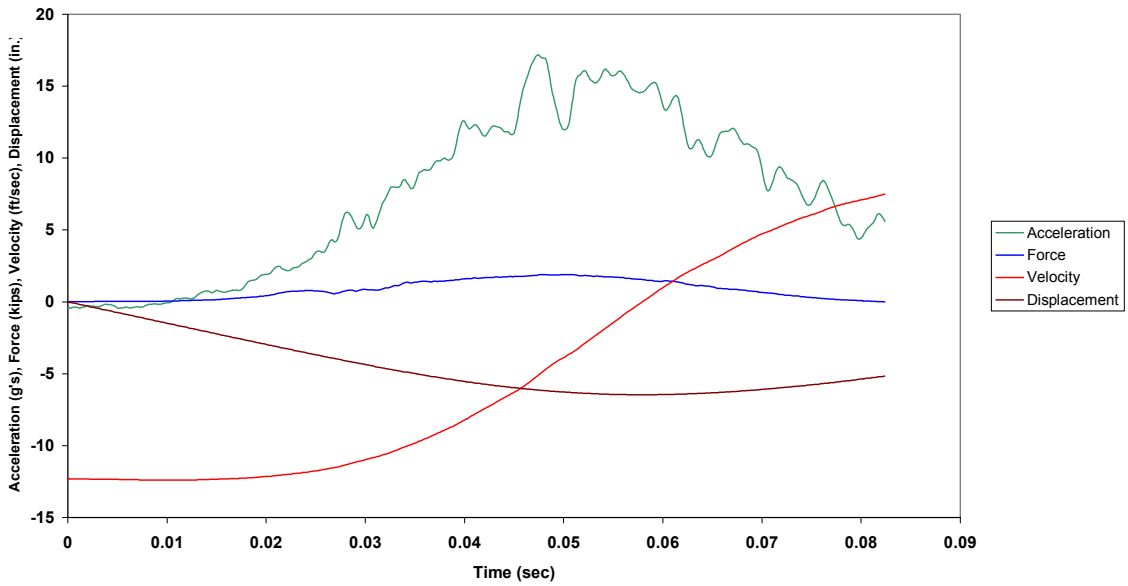


Figure B.105.2 Case 9I: Combined Plot



Case 9I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

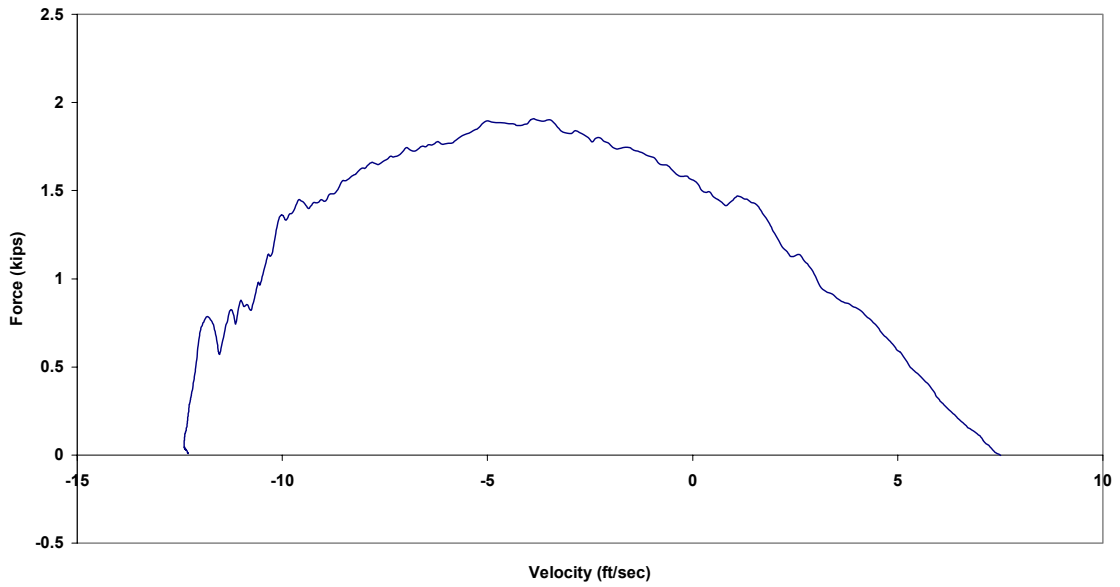


Figure B.105.3 Case 9I: Force vs. Velocity

Case 9I: New 3/4 in. RP Ultra Blue (85 lb from 58 in.)

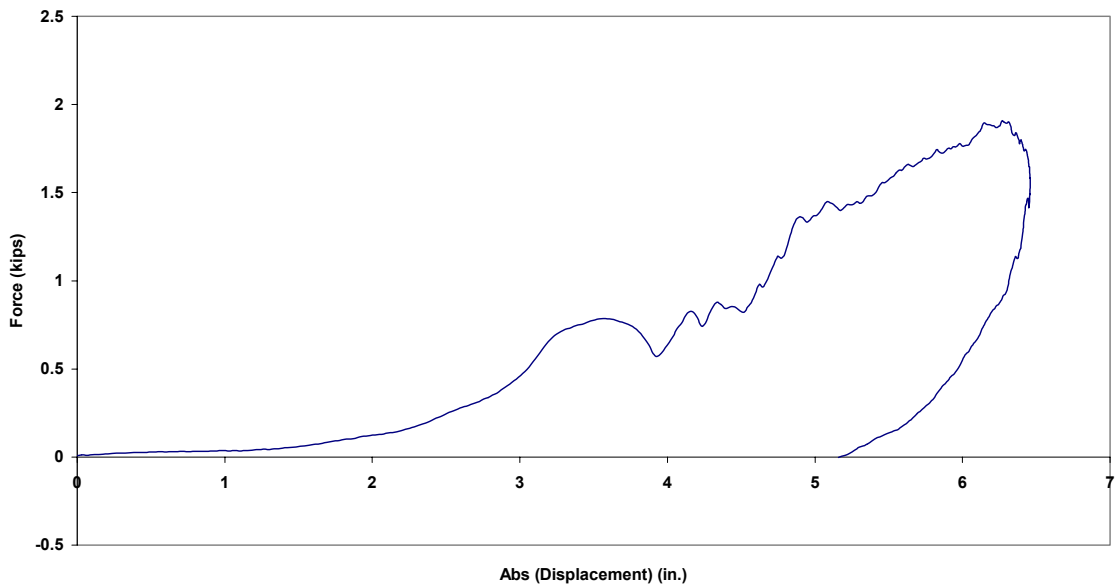


Figure B.105.4 Case 9I: Force vs. Absolute Displacement

Case 10I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

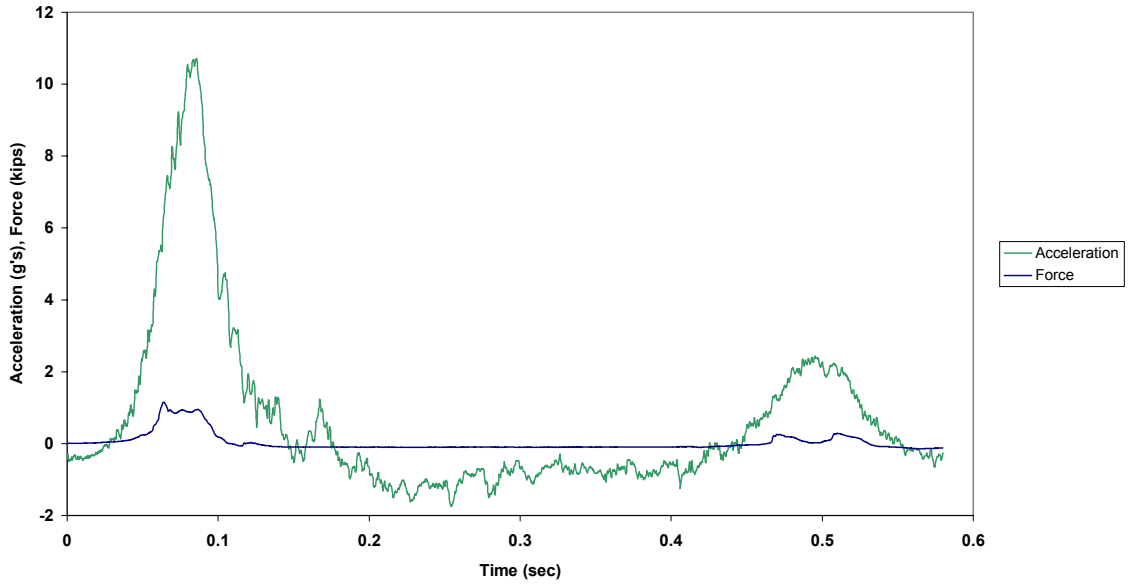


Figure B.106.1 Case 10I: Force and Acceleration vs. Time

Case 10I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

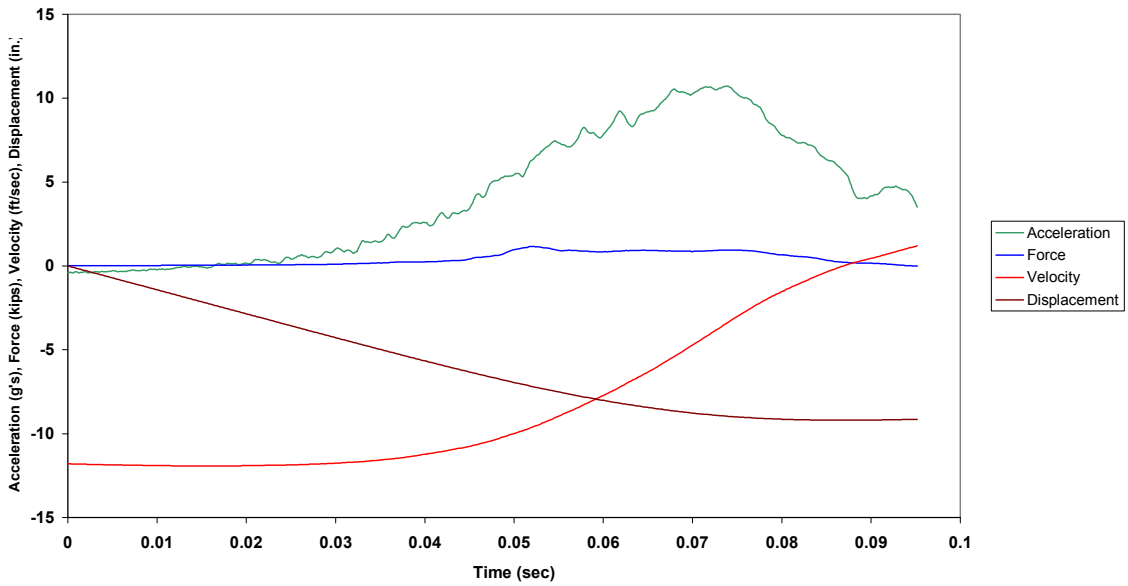


Figure B.106.2 Case 10I: Combined Plot

Case 10I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

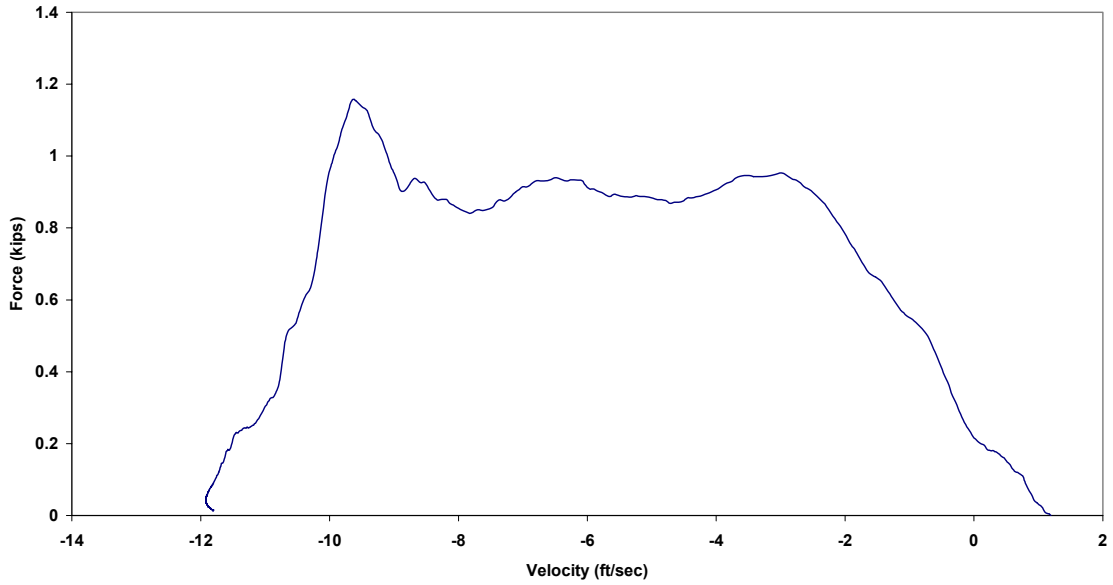


Figure B.106.3 Case 10I: Force vs. Velocity

Case 10I: New 3/4 in. RP Ultra Blue (65 lb from 53 in.)

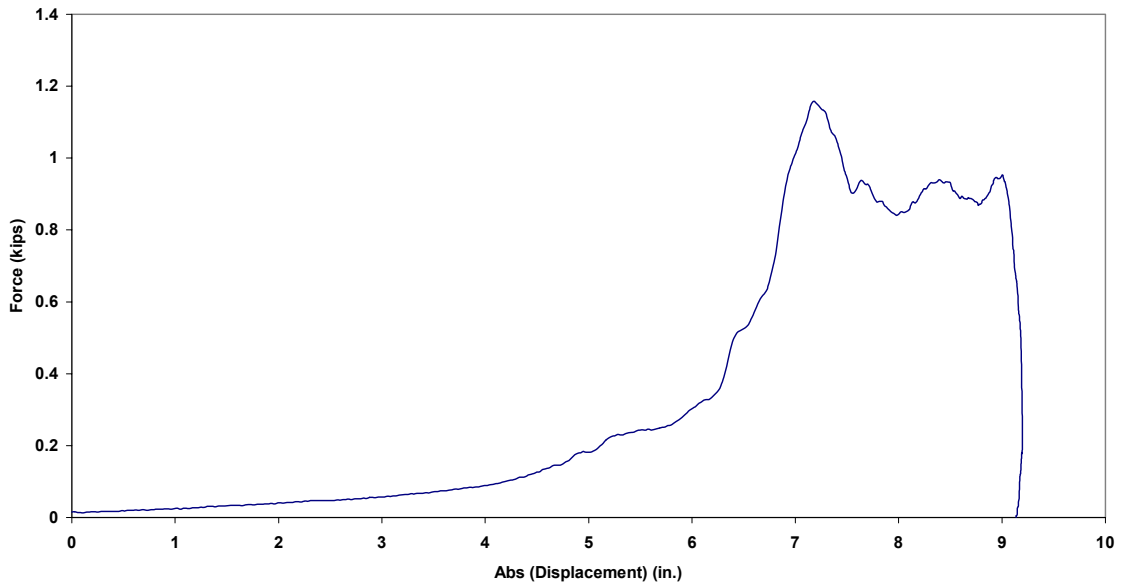


Figure B.106.4 Case 10I: Force vs. Absolute Displacement

Case 11I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

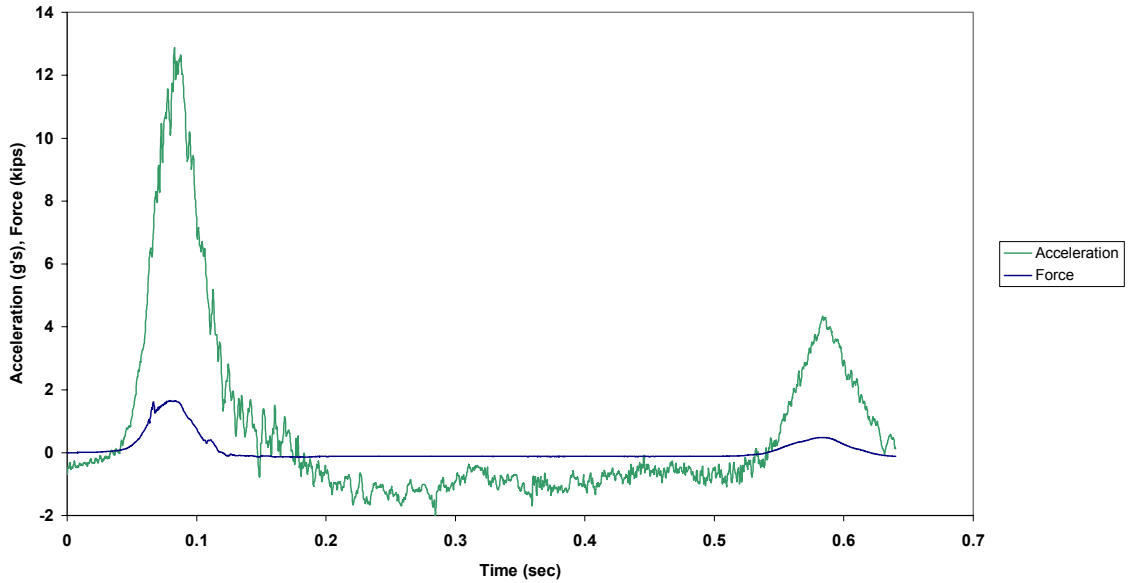


Figure B.107.1 Case 11I: Force and Acceleration vs. Time

Case 11I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

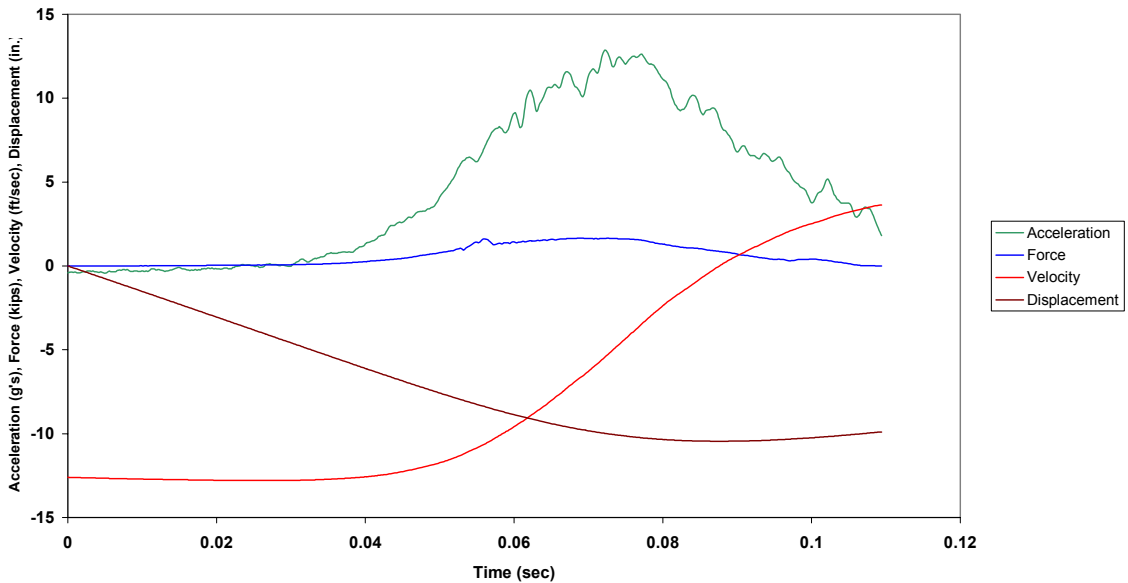


Figure B.107.2 Case 11I: Combined Plot

Case 11I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

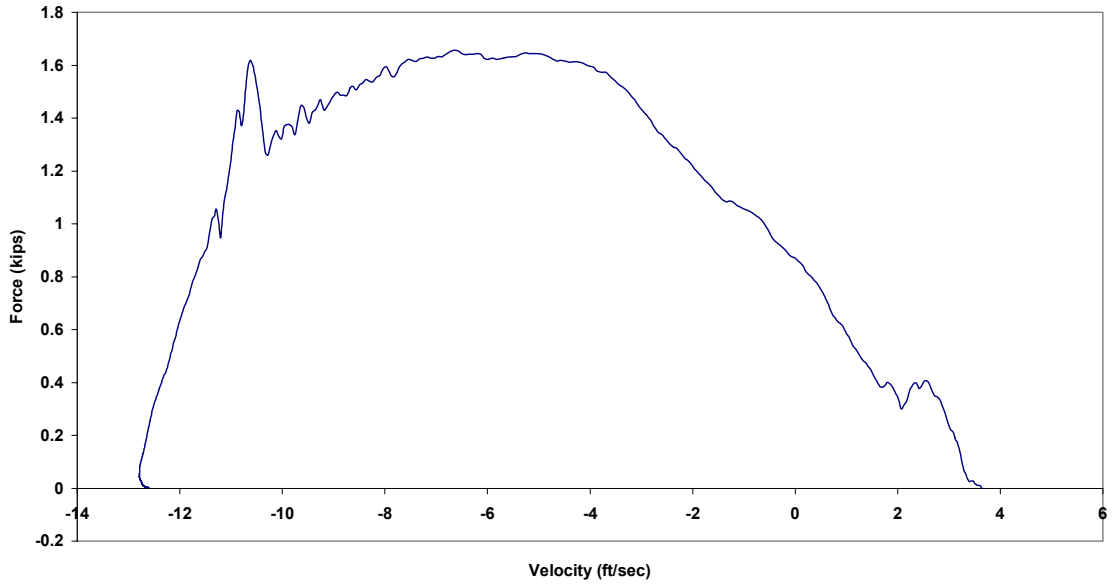


Figure B.107.3 Case 11I: Force vs. Velocity

Case 11I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

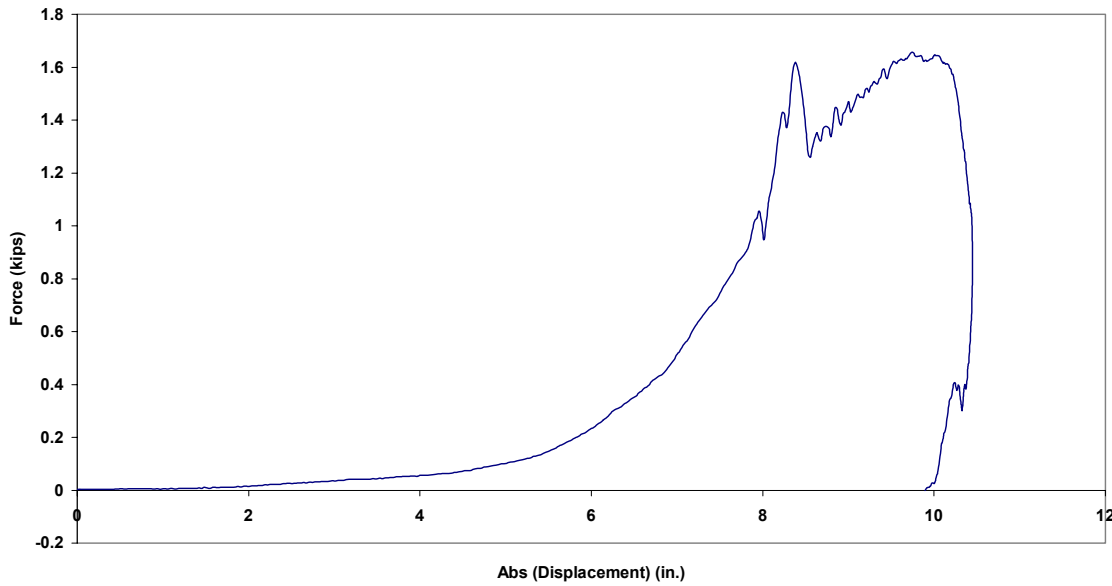


Figure B.107.4 Case 11I: Force vs. Absolute Displacement

Case 12I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

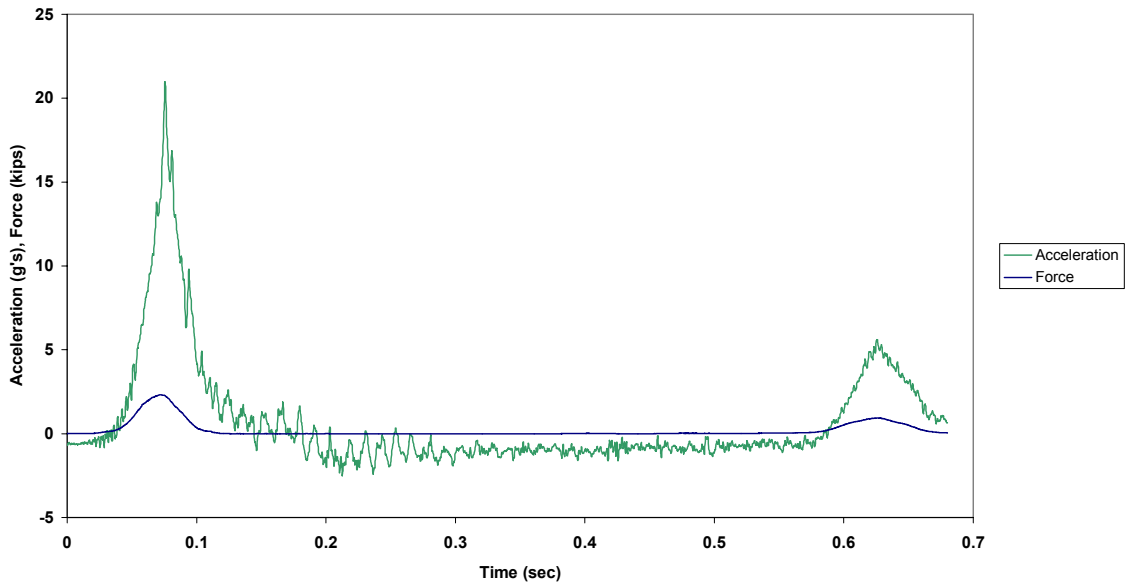


Figure B.108.1 Case 12I: Force and Acceleration vs. Time

Case 12I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

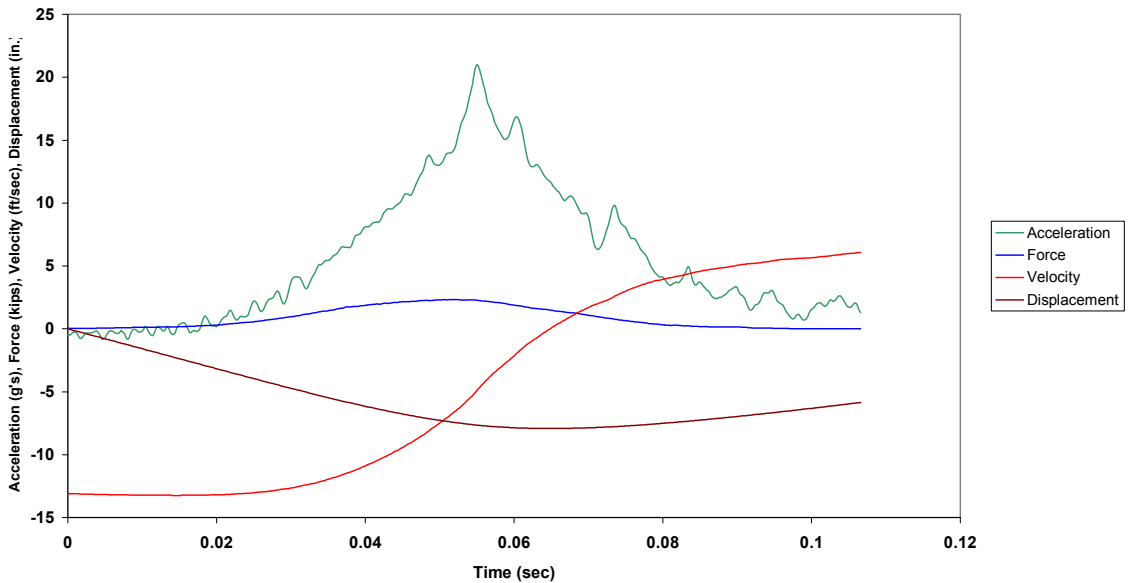


Figure B.108.2 Case 12I: Combined Plot

Case 12I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

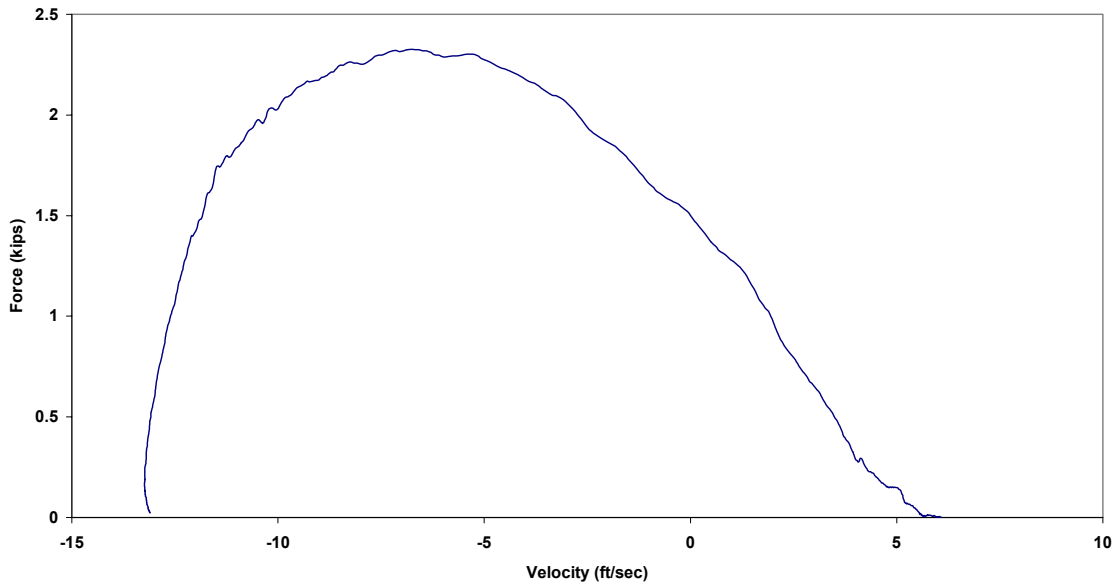


Figure B.108.3 Case 12I: Force vs. Velocity

Case 12I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

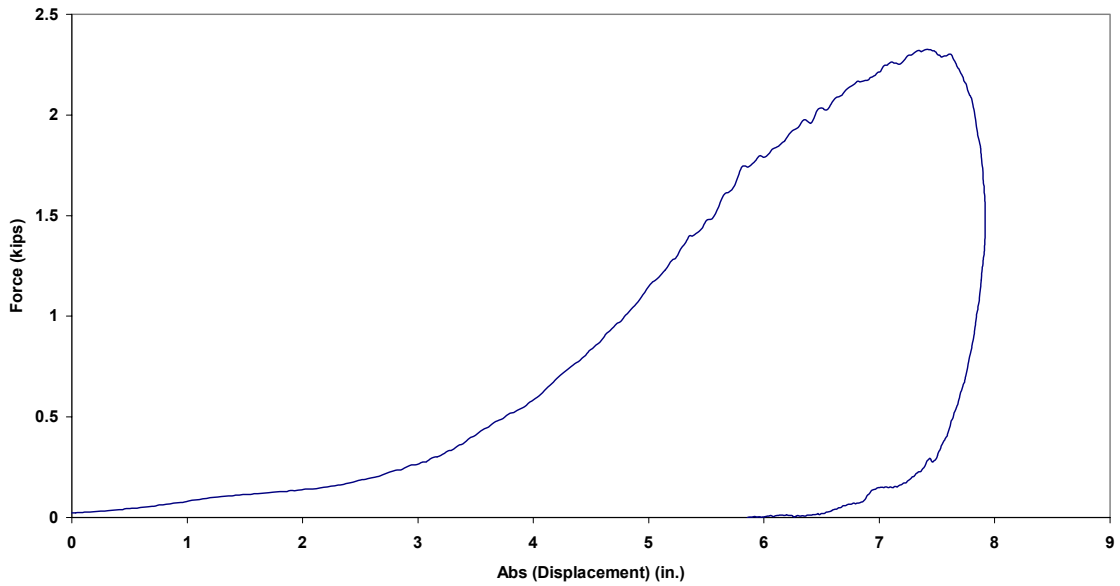


Figure B.108.4 Case 12I: Force vs. Absolute Displacement

Case 13I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

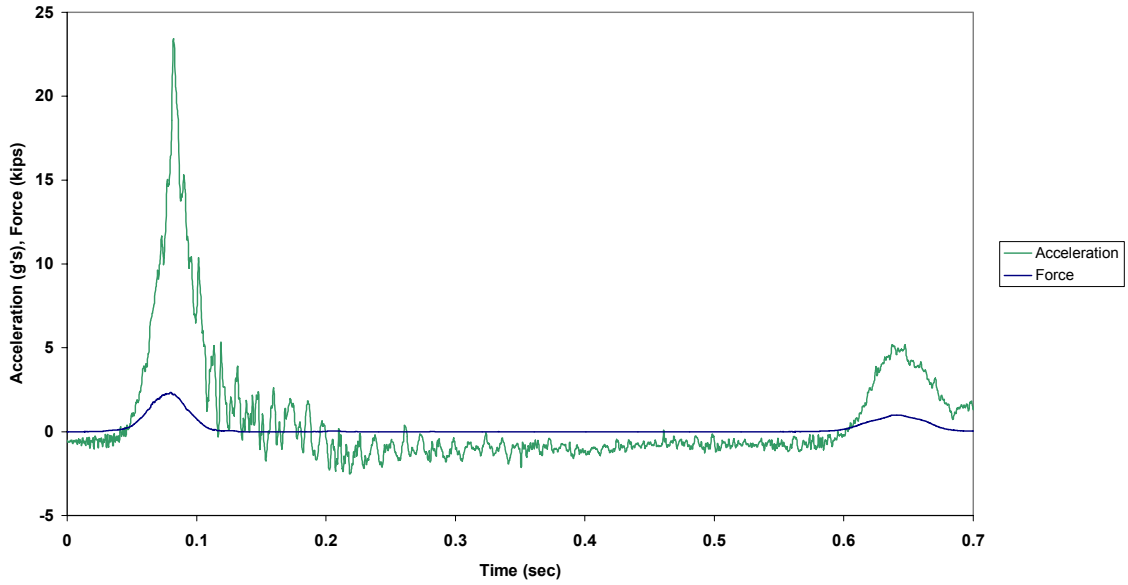


Figure B.109.1 Case 13I: Force and Acceleration vs. Time

Case 13I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

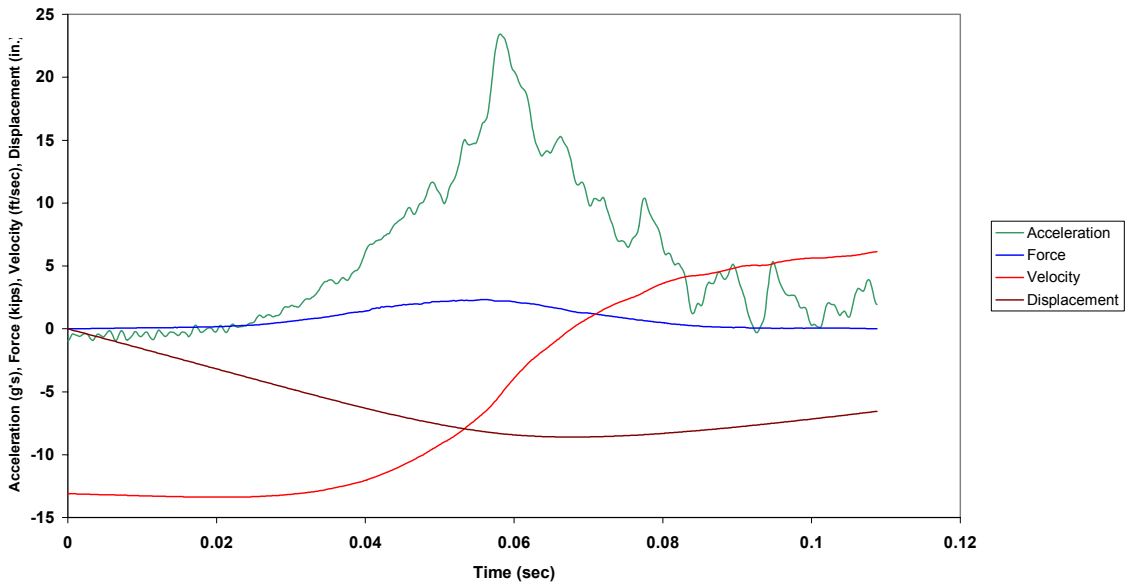


Figure B.109.2 Case 13I: Combined Plot



Case 13I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

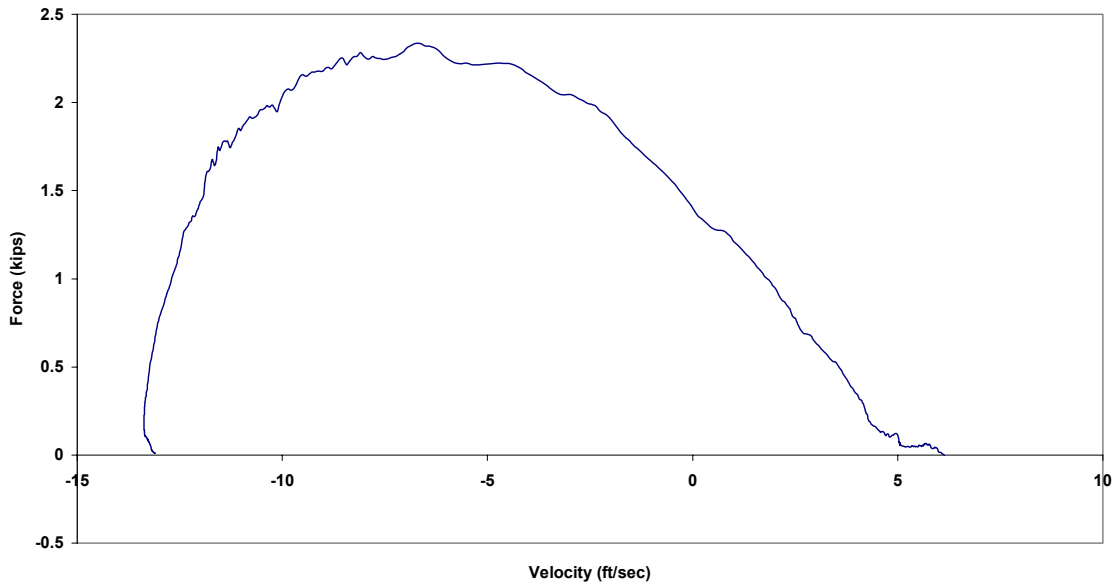


Figure B.109.3 Case 13I: Force vs. Velocity

Case 13I: New 3/4 in. RP Ultra Blue (105 lb from 53 in.)

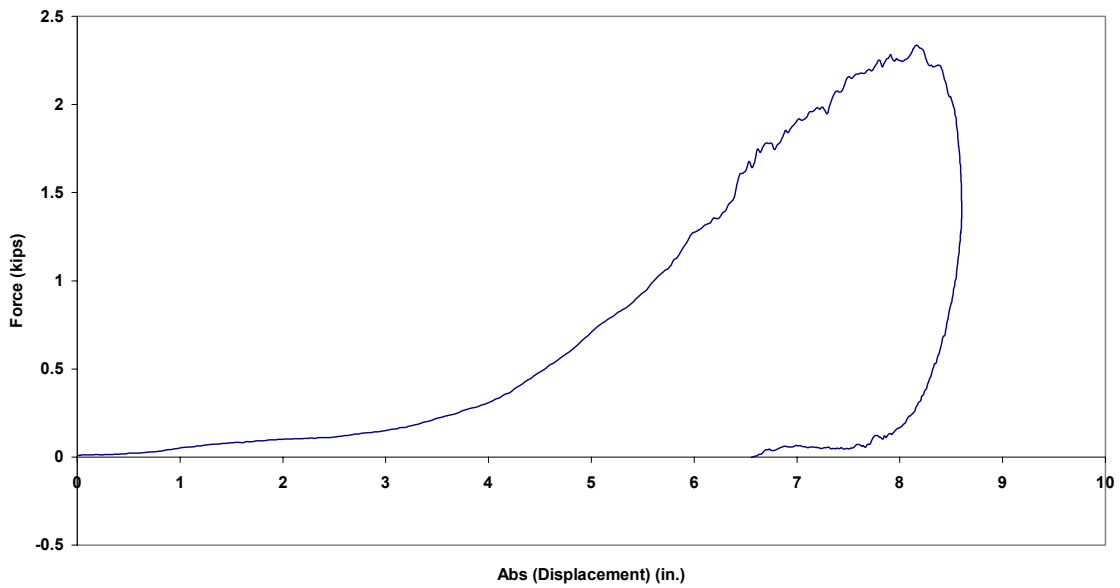


Figure B.109.4 Case 13I: Force vs. Absolute Displacement

Case 14I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

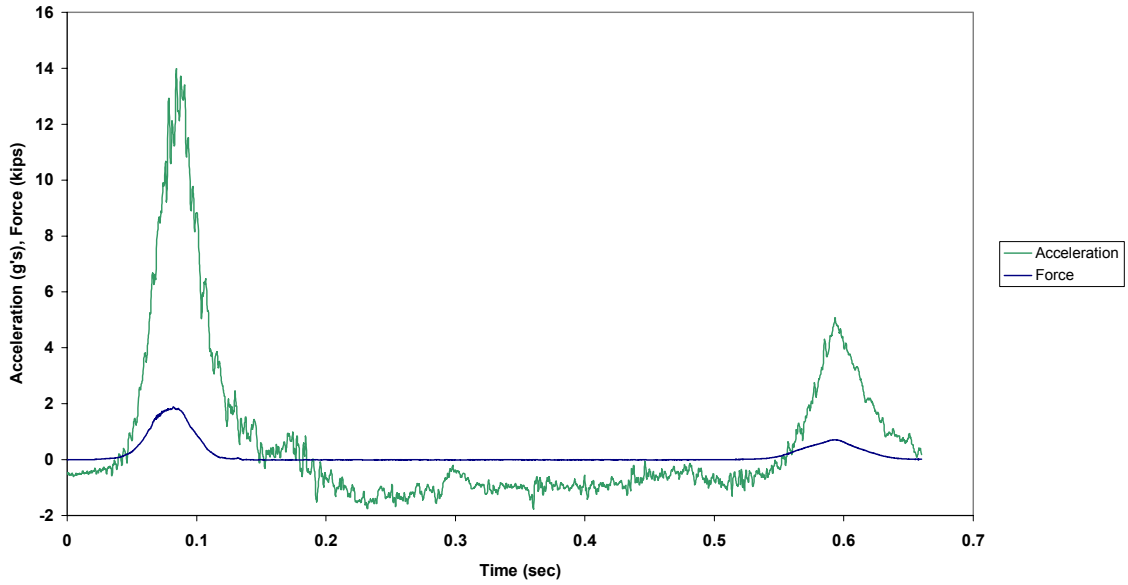


Figure B.110.1 Case 14I: Force and Acceleration vs. Time

Case 14I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

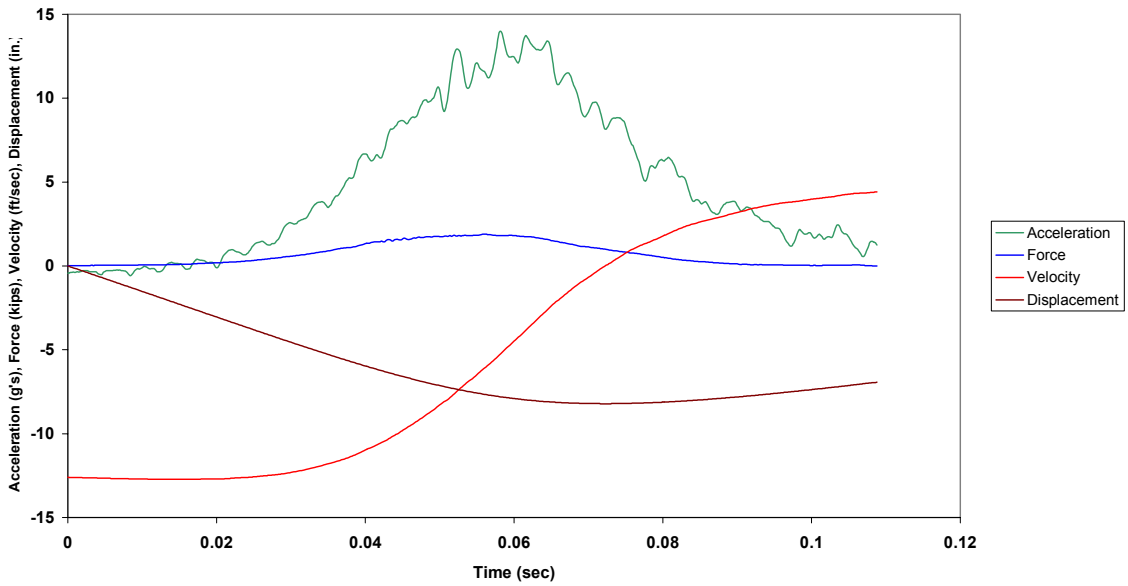


Figure B.110.2 Case 14I: Combined Plot

Case 14I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

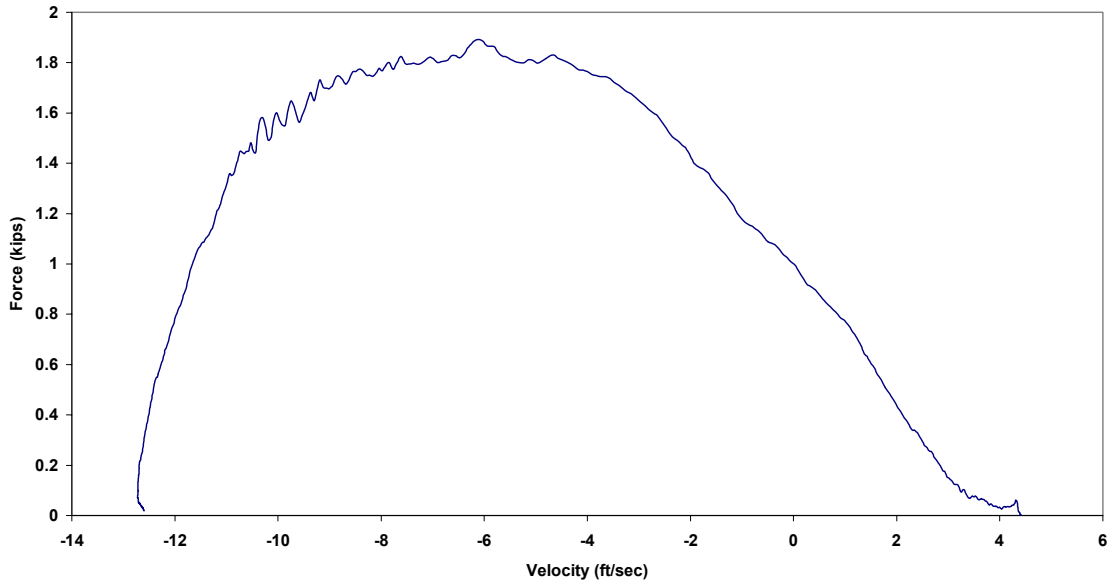


Figure B.110.3 Case 14I: Force vs. Velocity

Case 14I: New 3/4 in. RP Ultra Blue (85 lb from 53 in.)

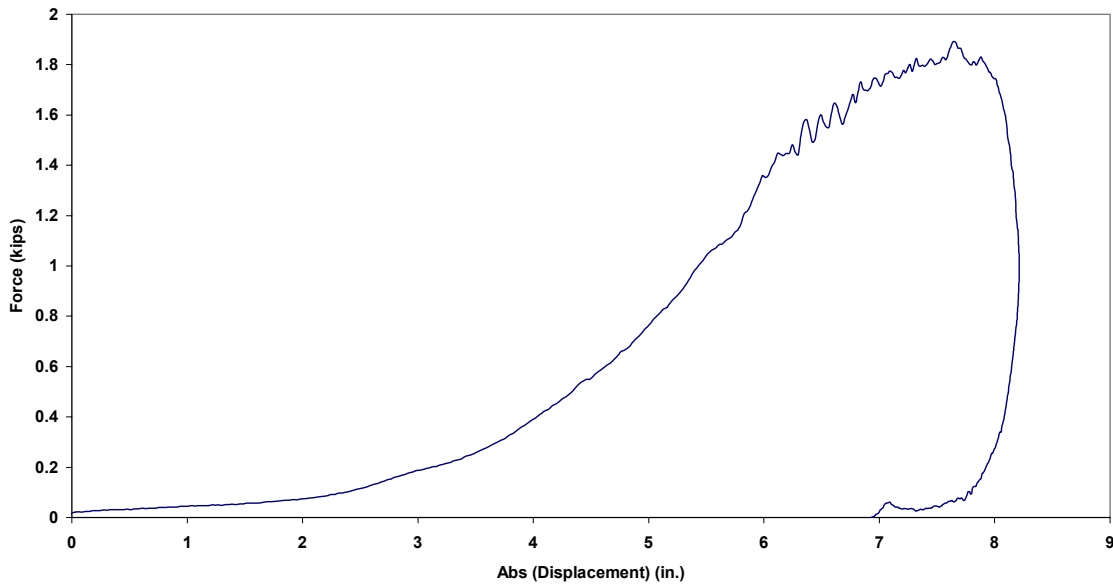


Figure B.110.4 Case 14I: Force vs. Absolute Displacement

Case 15I: New 3/4 in. RP Polyester (65 lb from 53 in.)

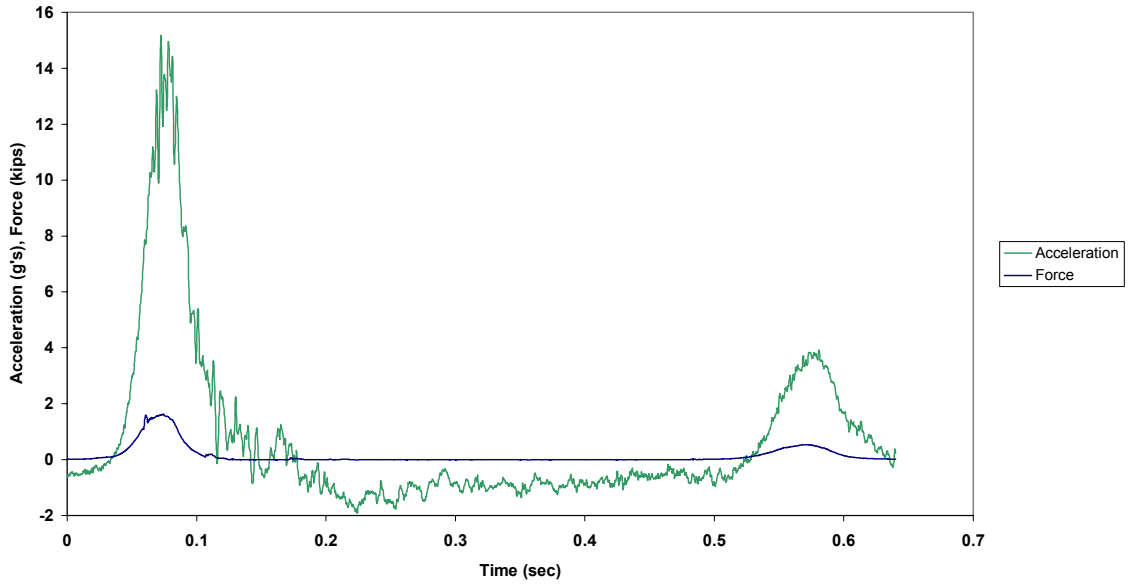


Figure B.111.1 Case 15I: Force and Acceleration vs. Time

Case 15I: New 3/4 in. RP Polyester (65 lb from 53 in.)

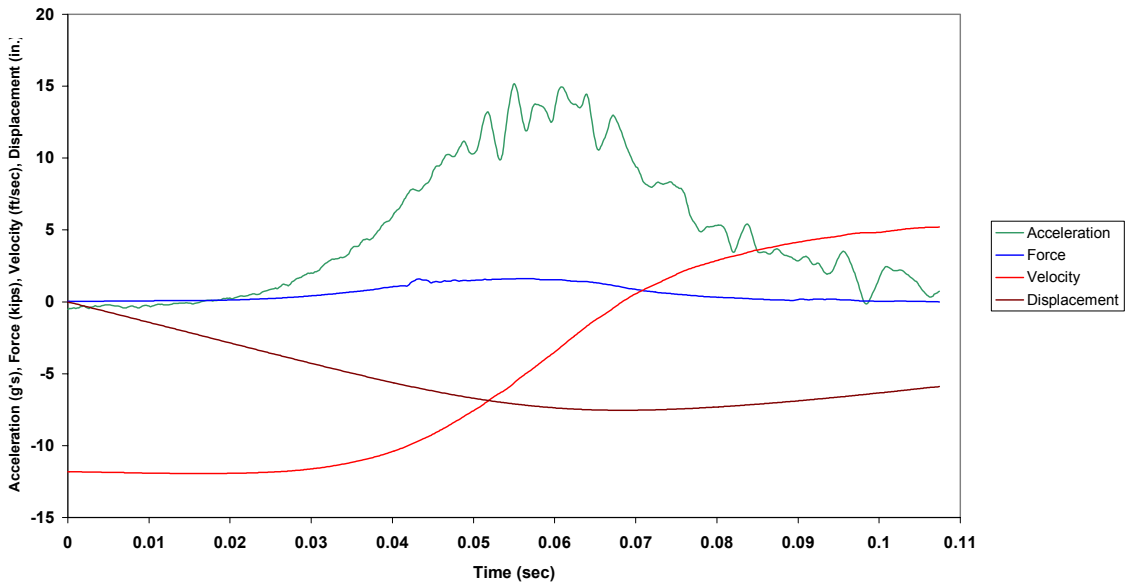


Figure B.111.2 Case 15I: Combined Plot

Case 15I: New 3/4 in. RP Polyester (65 lb from 53 in.)

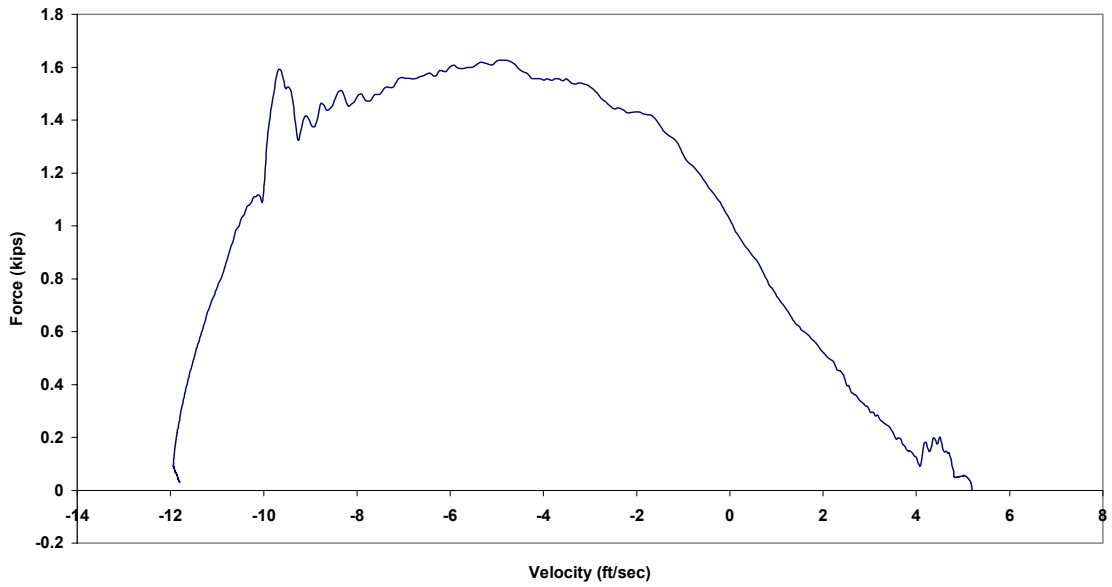


Figure B.111.3 Case 15I: Force vs. Velocity

Case 15I: New 3/4 in. RP Polyester (65 lb from 53 in.)

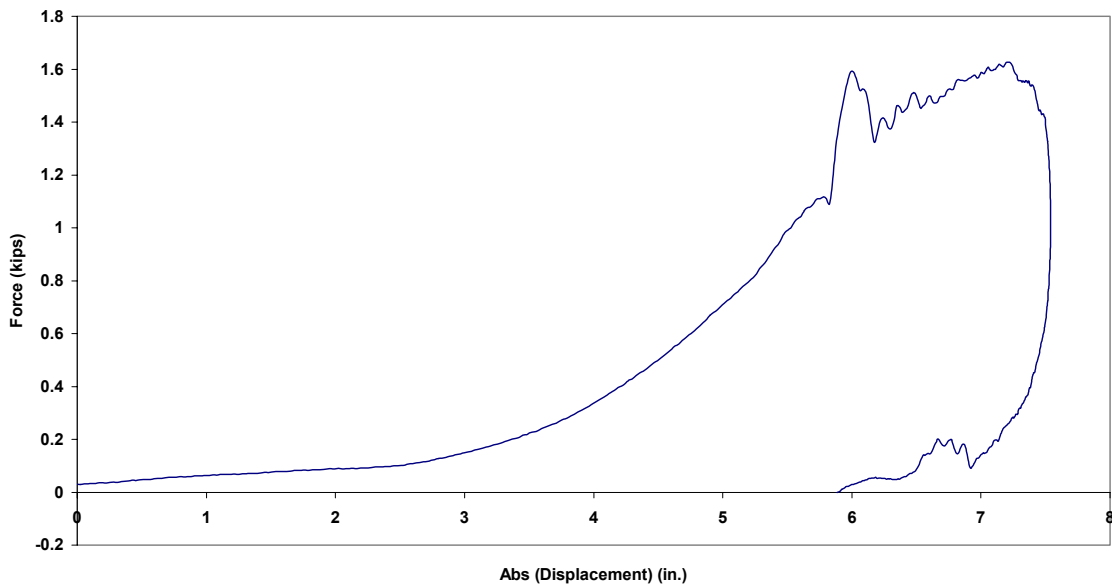


Figure B.111.4 Case 15I: Force vs. Absolute Displacement

Case 16I: New 3/4 in. RP Ultra Blue (45 lb from 53 in.)

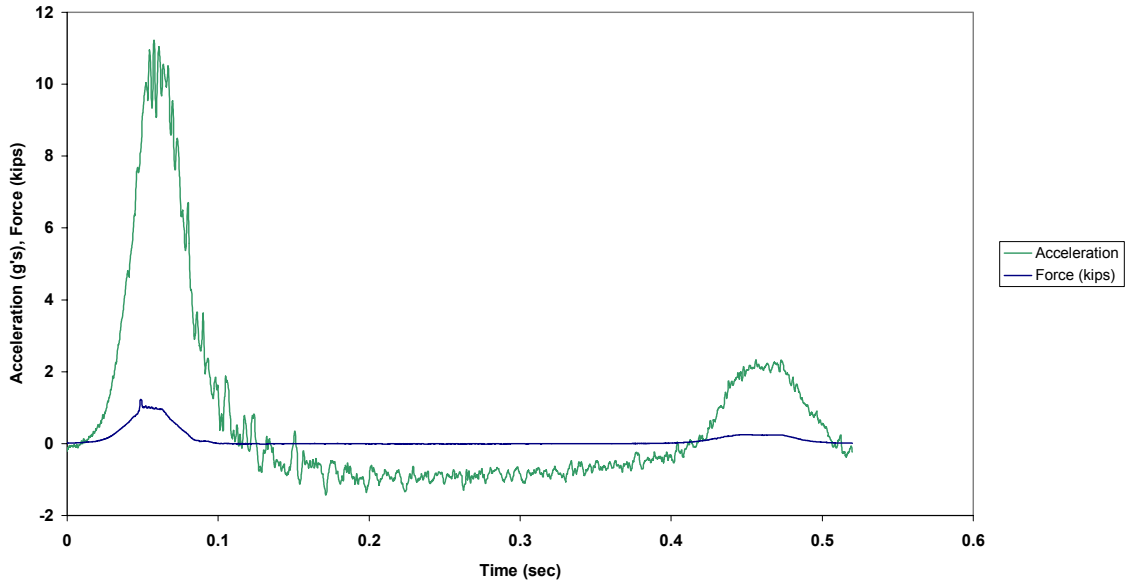


Figure B.112.1 Case 16I: Force and Acceleration vs. Time

Case 16I: New 3/4 in. RP Ultra Blue (45 lb from 53 in.)

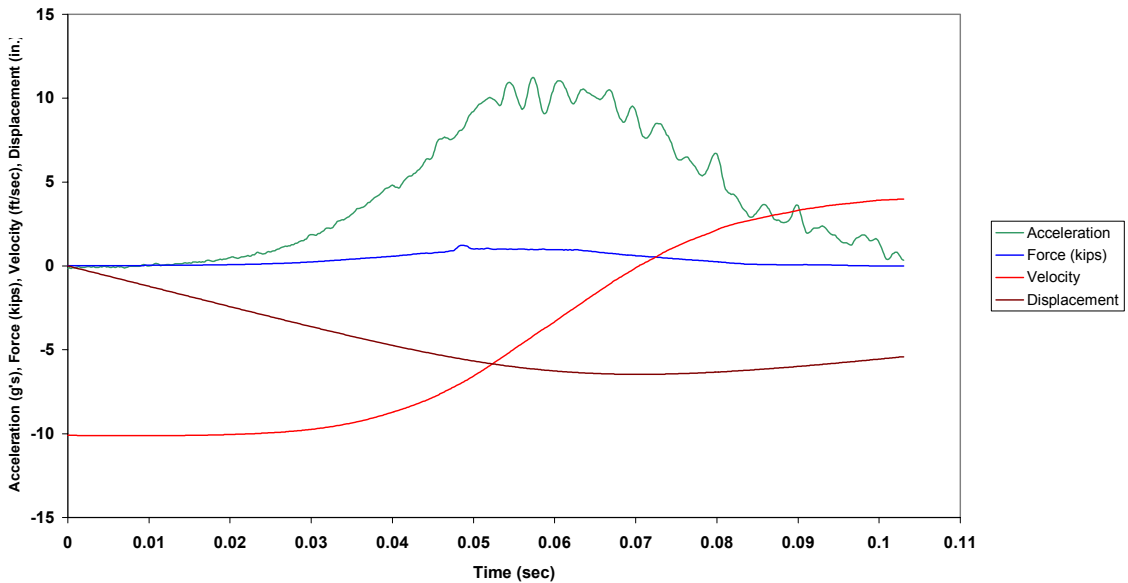


Figure B.112.2 Case 16I: Combined Plot

Case 16I: New 3/4 in. RP Ultra Blue (45 lb from 53 in.)

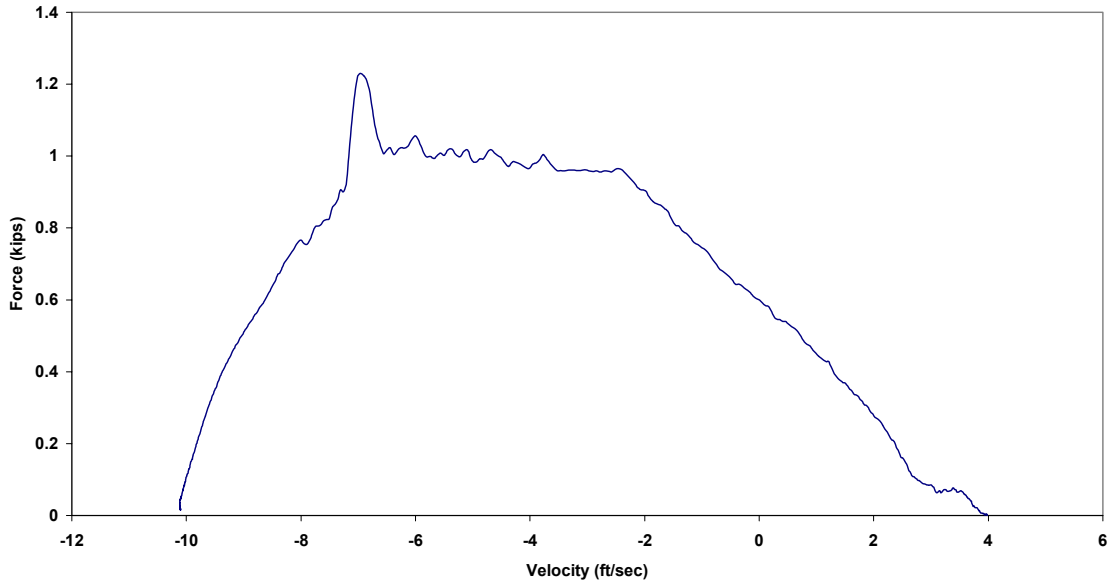


Figure B.112.3 Case 16I: Force vs. Velocity

Case 16I: New 3/4 in. RP Ultra Blue (45 lb from 53 in.)

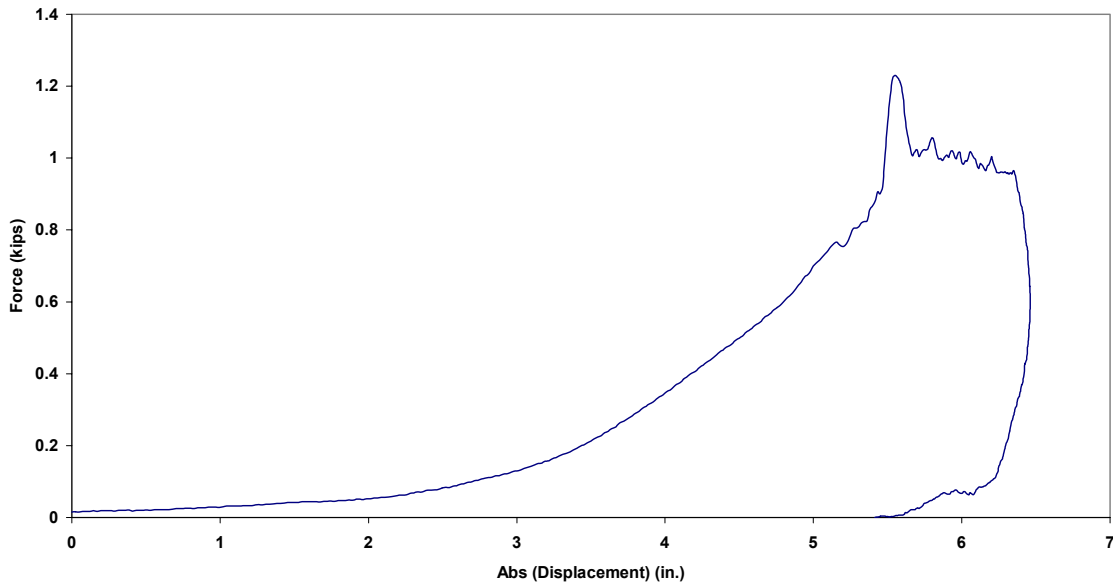


Figure B.112.4 Case 16I: Force vs. Absolute Displacement

Case 1J: Precycled 3/4 in. RP Ultra Blue (65 lb from 54 in.)

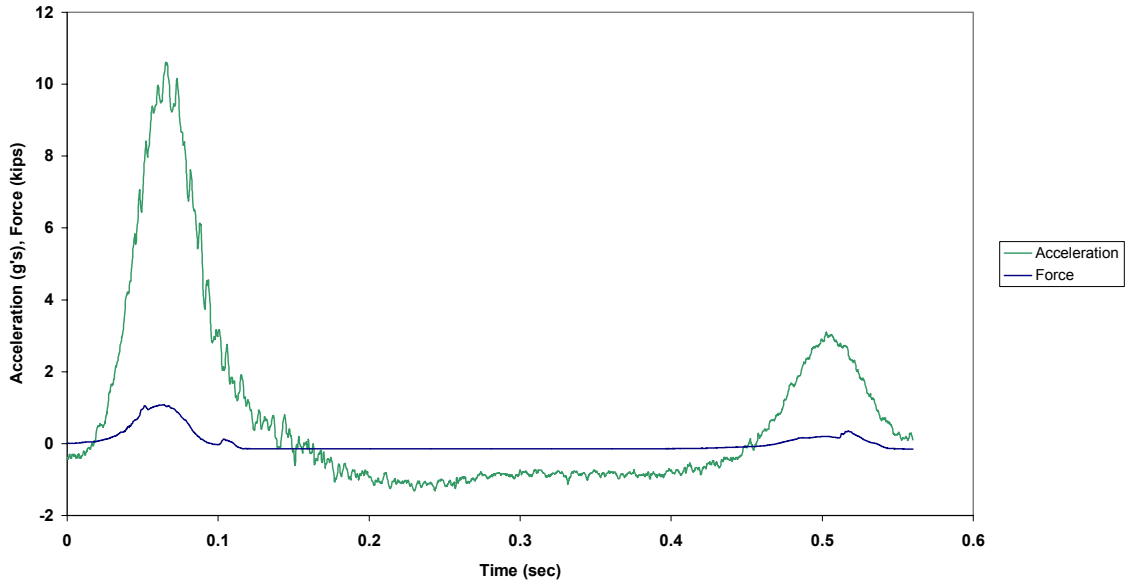


Figure B.113.1 Case 1J: Force and Acceleration vs. Time

Case 1J: Precycled 3/4 in. RP Ultra Blue (65 lb from 54 in.)

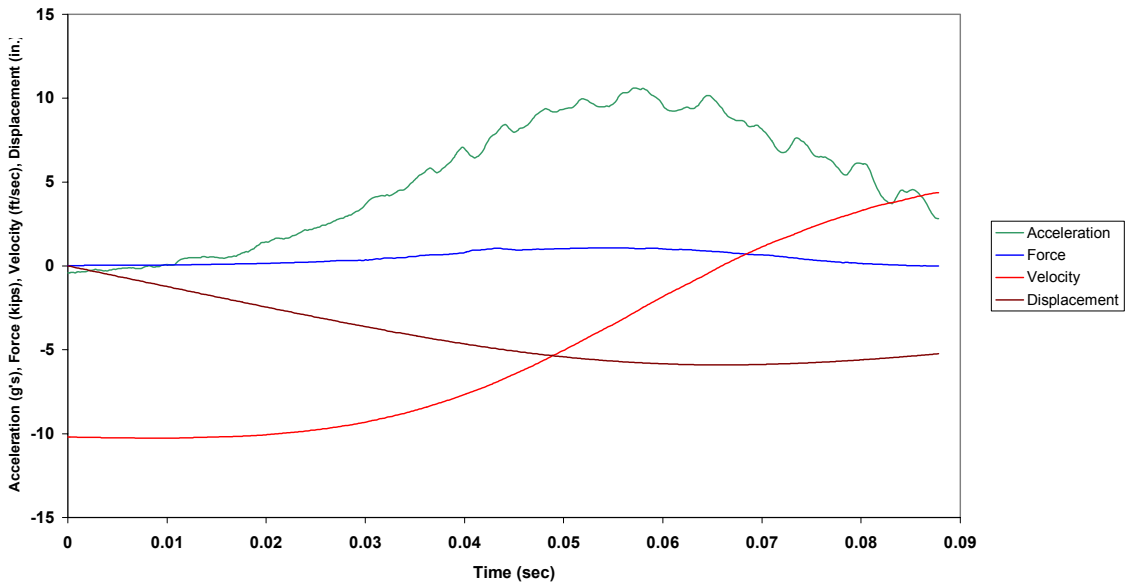


Figure B.113.2 Case 1J: Combined Plot



Case 1J: Precycled 3/4 in. RP Ultra Blue (65 lb from 54 in.)

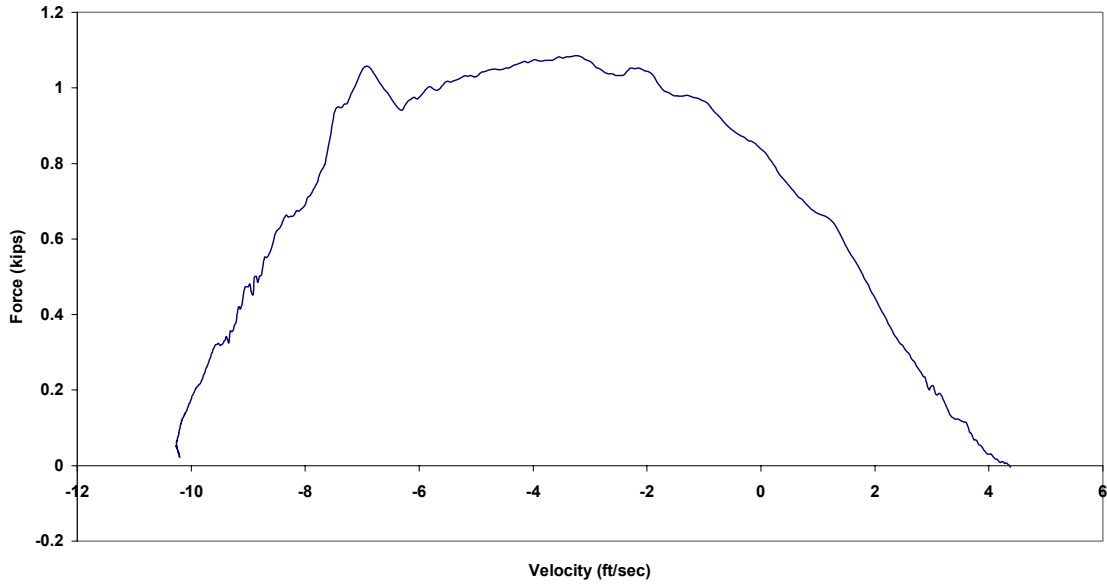


Figure B.113.3 Case 1J: Force vs. Velocity

Case 1J: Precycled 3/4 in. RP Ultra Blue (65 lb from 54 in.)

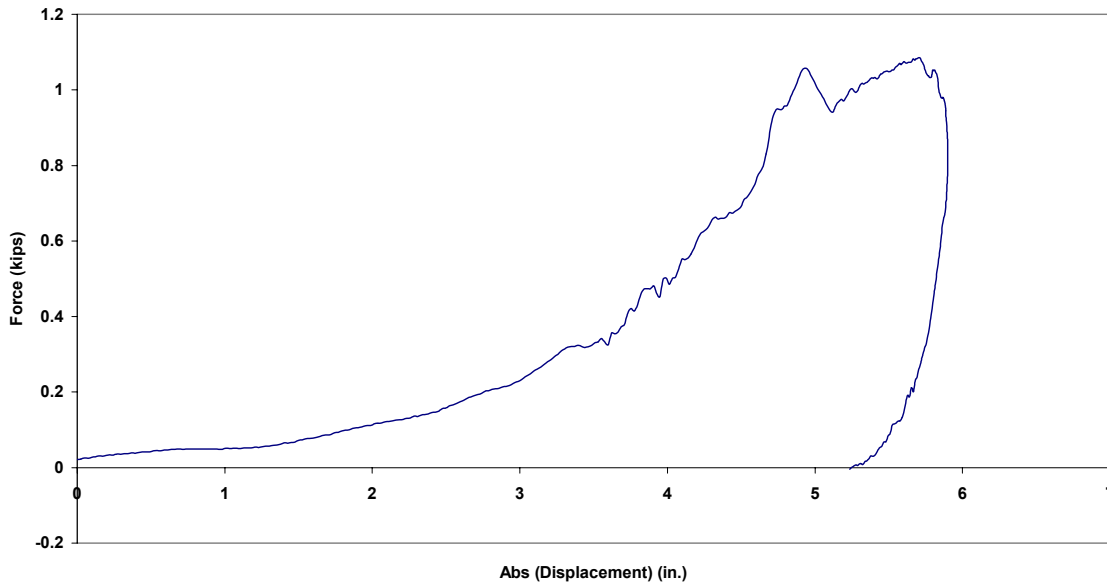


Figure B.113.4 Case 1J: Force vs. Absolute Displacement

Case 2J: Precycled 3/4 in. RP Ultra Blue (65 lb from 66 in.)

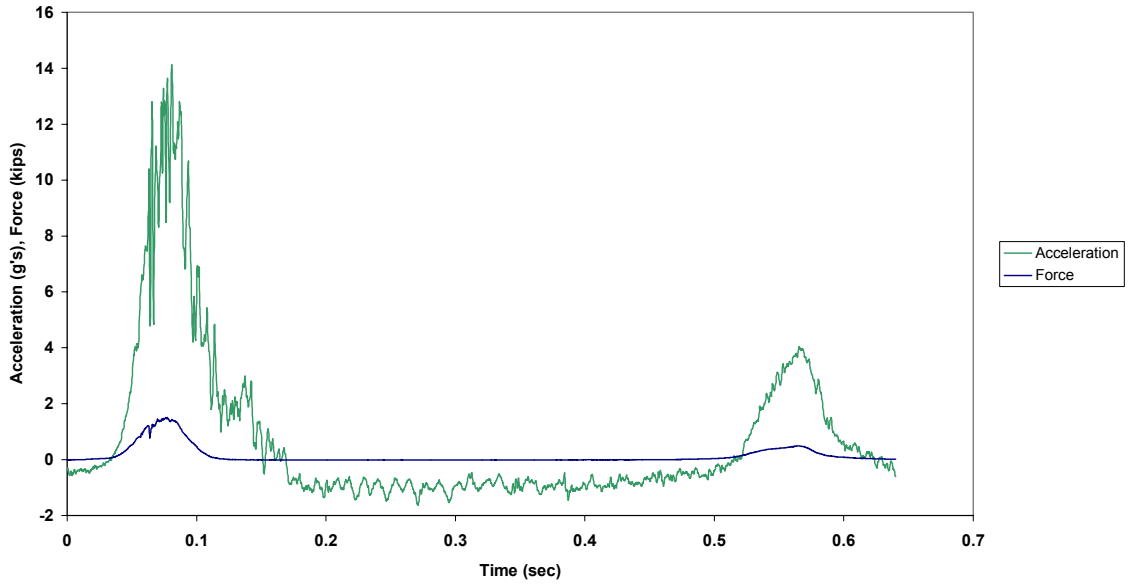


Figure B.114.1 Case 2J: Force and Acceleration vs. Time

Case 2J: Precycled 3/4 in. RP Ultra Blue (65 lb from 66 in.)

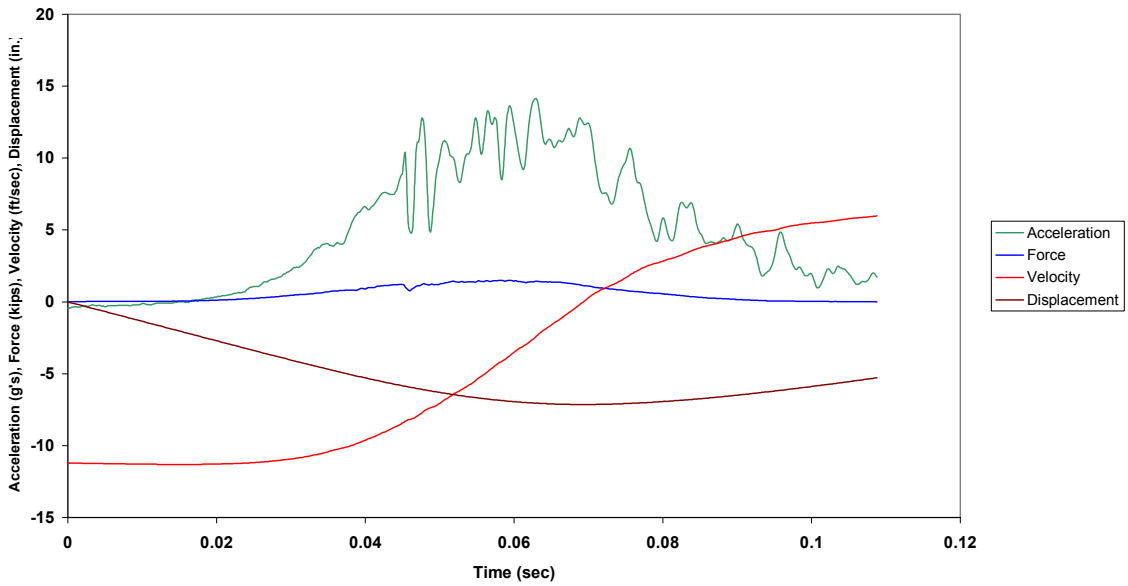


Figure B.114.2 Case 2J: Combined Plot

Case 2J: Precycled 3/4 in. RP Ultra Blue (65 lb from 66 in.)

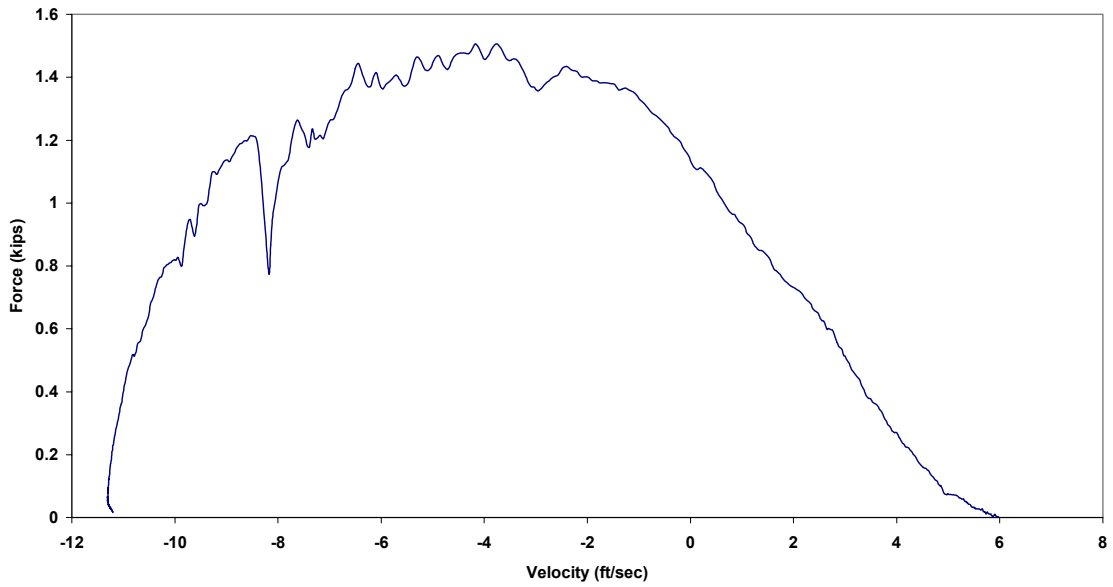


Figure B.114.3 Case 2J: Force vs. Velocity

Case 2J: Precycled 3/4 in. RP Ultra Blue (65 lb from 66 in.)

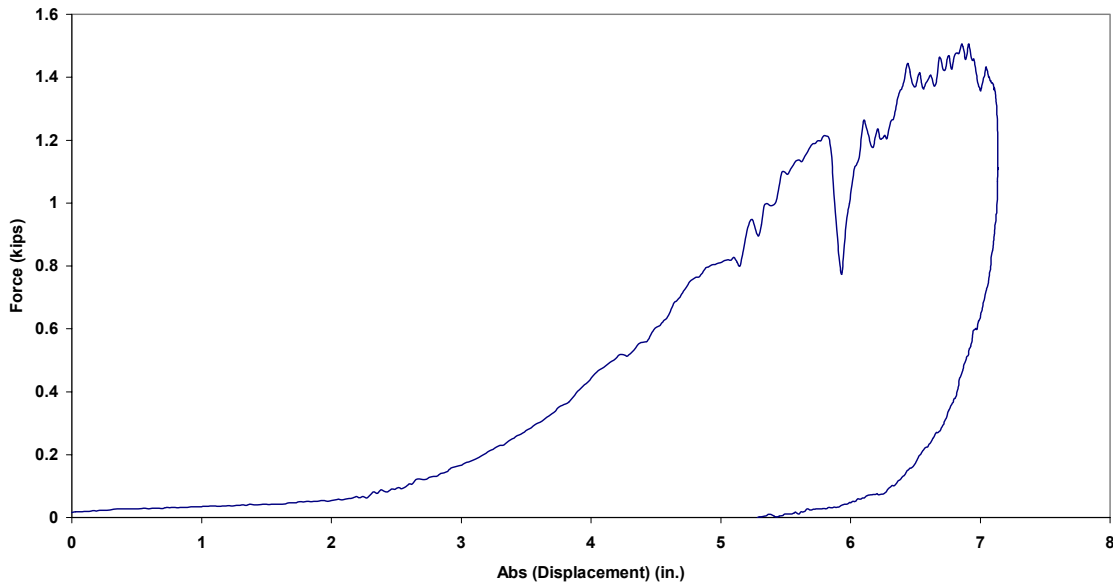


Figure B.114.4 Case 2J: Force vs. Absolute Displacement

Case 3J: Precycled 3/4 in. RP Ultra Blue (65 lb from 78 in.)

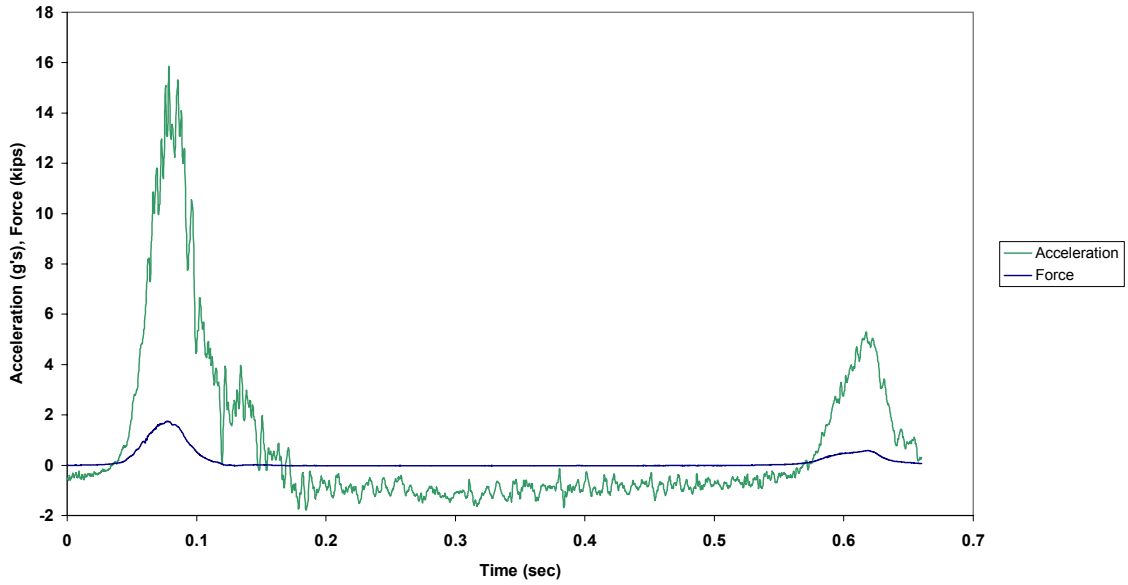


Figure B.115.1 Case 3J: Force and Acceleration vs. Time

Case 3J: Precycled 3/4 in. RP Ultra Blue (65 lb from 78 in.)

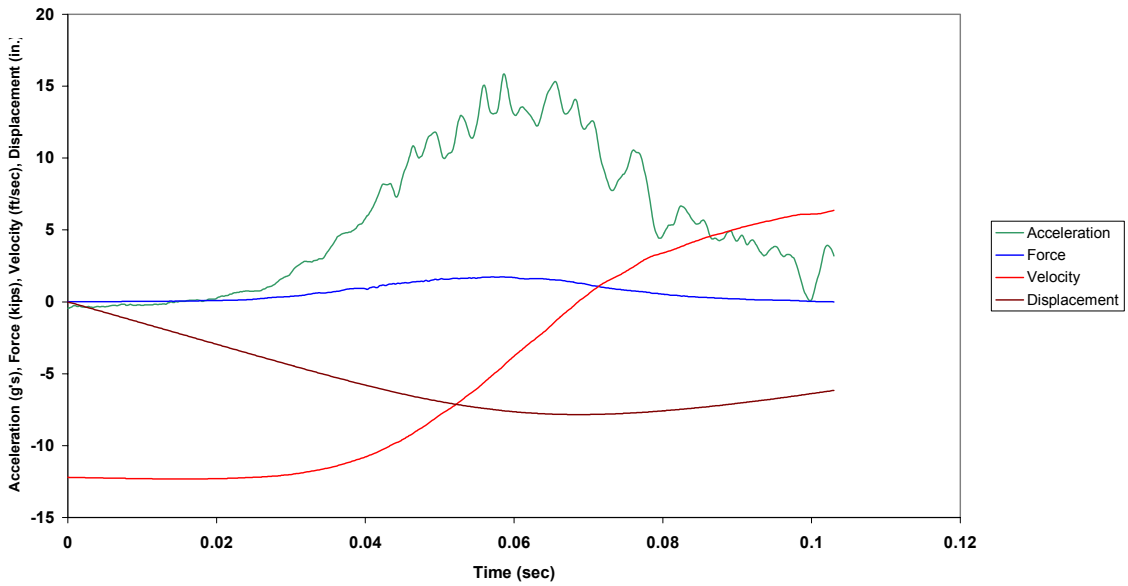


Figure B.115.2 Case 3J: Combined Plot

Case 3J: Precycled 3/4 in. RP Ultra Blue (65 lb from 78 in.)

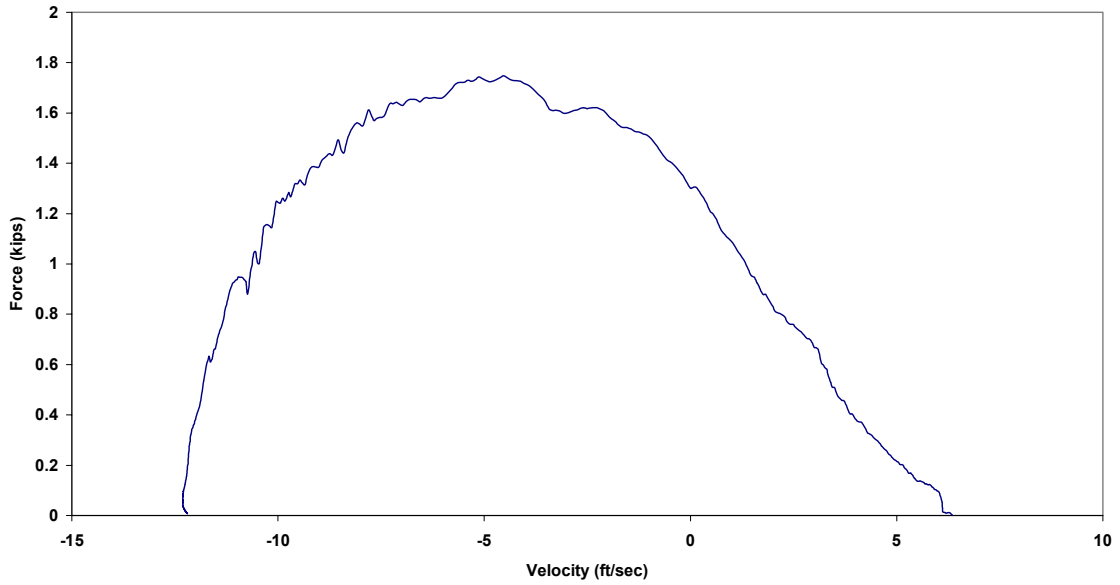


Figure B.115.3 Case 3J: Force vs. Velocity

Case 3J: Precycled 3/4 in. RP Ultra Blue (65 lb from 78 in.)

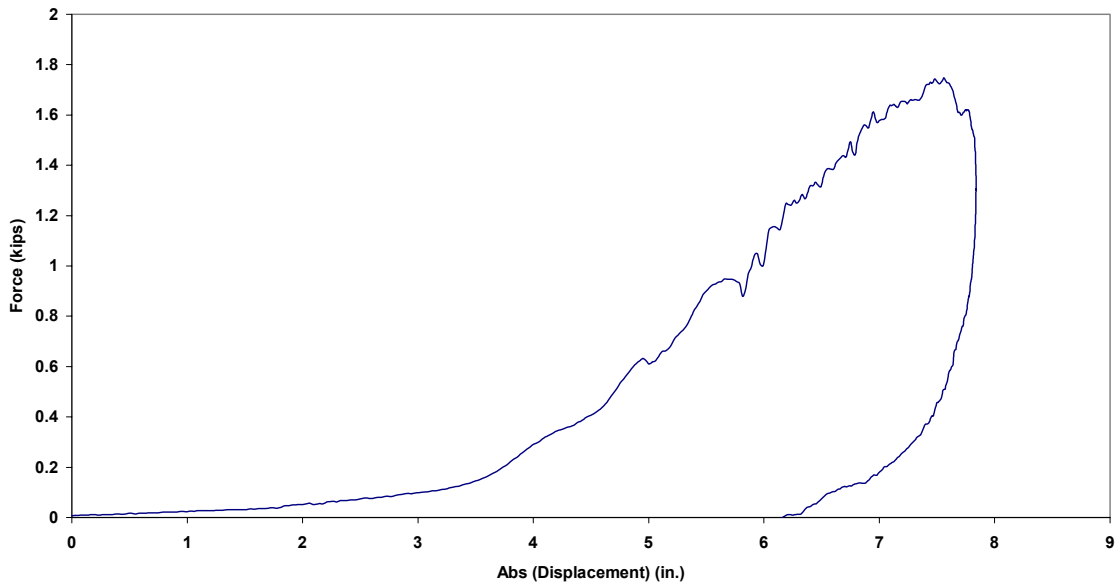


Figure B.115.4 Case 3J: Force vs. Absolute Displacement

Case 4J: Precycled 3/4 in. RP Ultra Blue (65 lb from 90 in.)

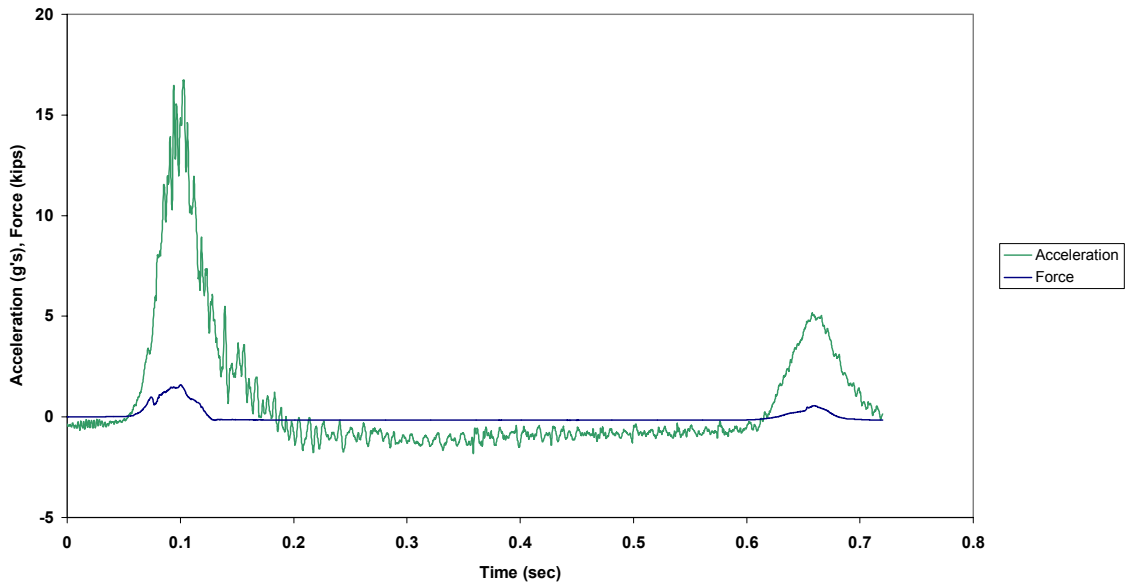


Figure B.116.1 Case 4J: Force and Acceleration vs. Time

Case 4J: Precycled 3/4 in. RP Ultra Blue (65 lb from 90 in.)

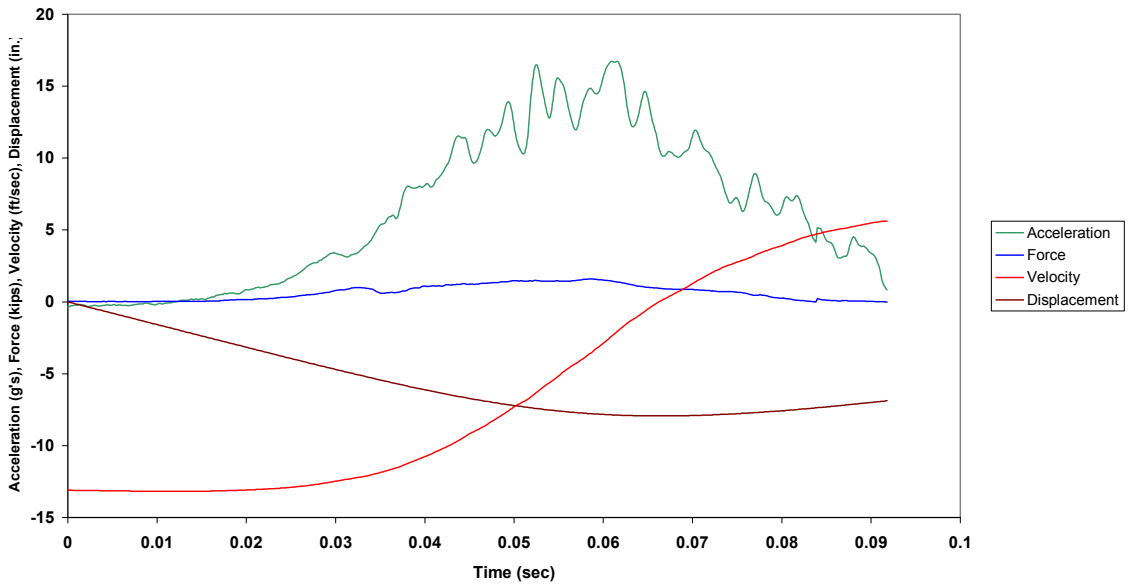


Figure B.116.2 Case 4J: Combined Plot

Case 4J: Precycled 3/4 in. RP Ultra Blue (65 lb from 90 in.)

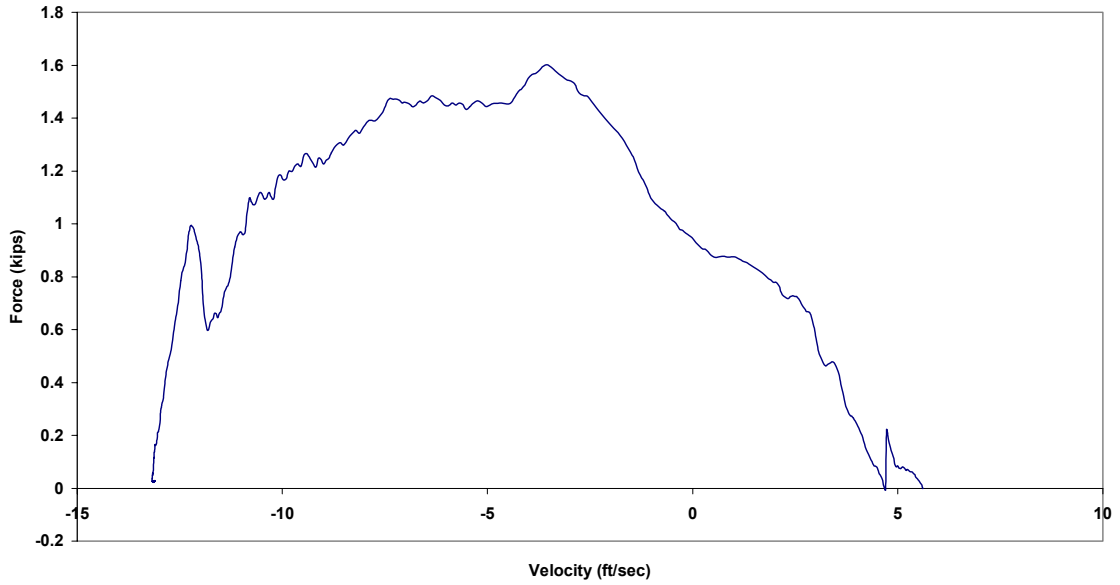


Figure B.116.3 Case 4J: Force vs. Velocity

Case 4J: Precycled 3/4 in. RP Ultra Blue (65 lb from 90 in.)

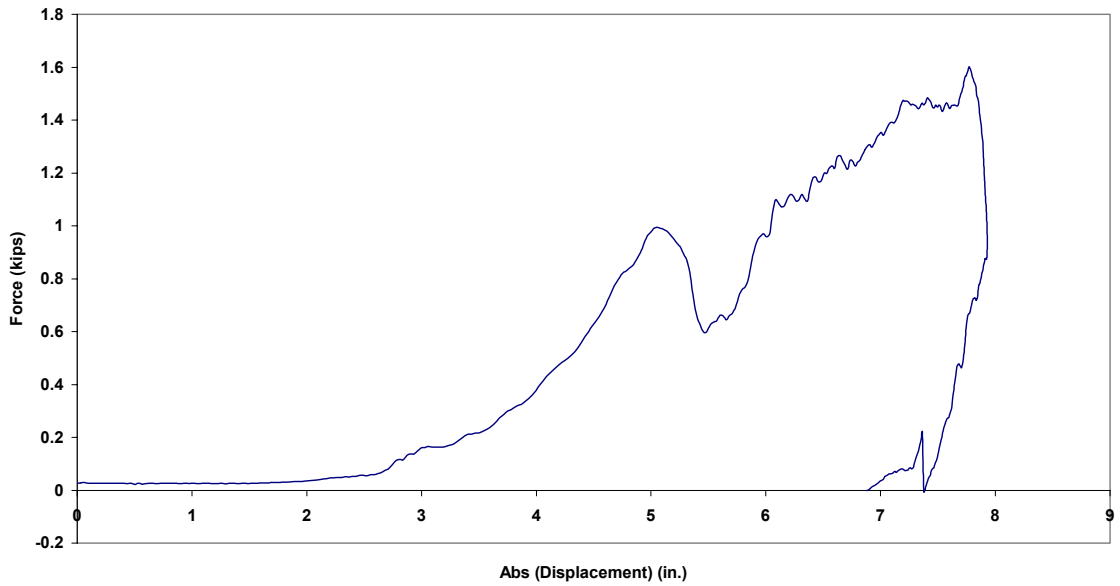


Figure B.116.4 Case 4J: Force vs. Absolute Displacement

Case 5J: Precycled 3/4 in. RP Ultra Blue (65 lb from 96 in.)

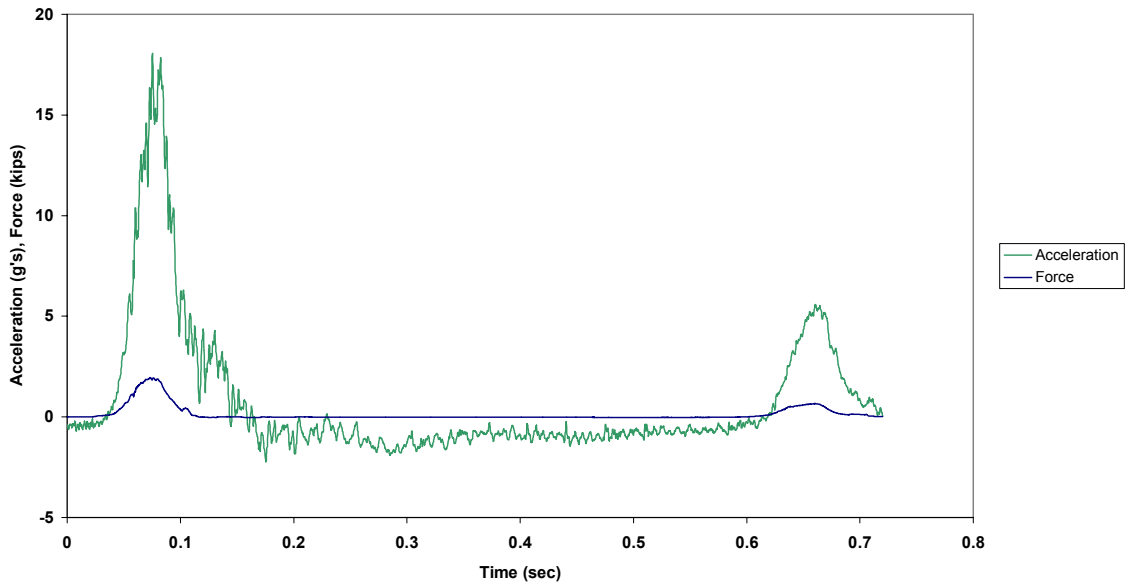


Figure B.117.1 Case 5J: Force and Acceleration vs. Time

Case 5J: Precycled 3/4 in. RP Ultra Blue (65 lb from 96 in.)

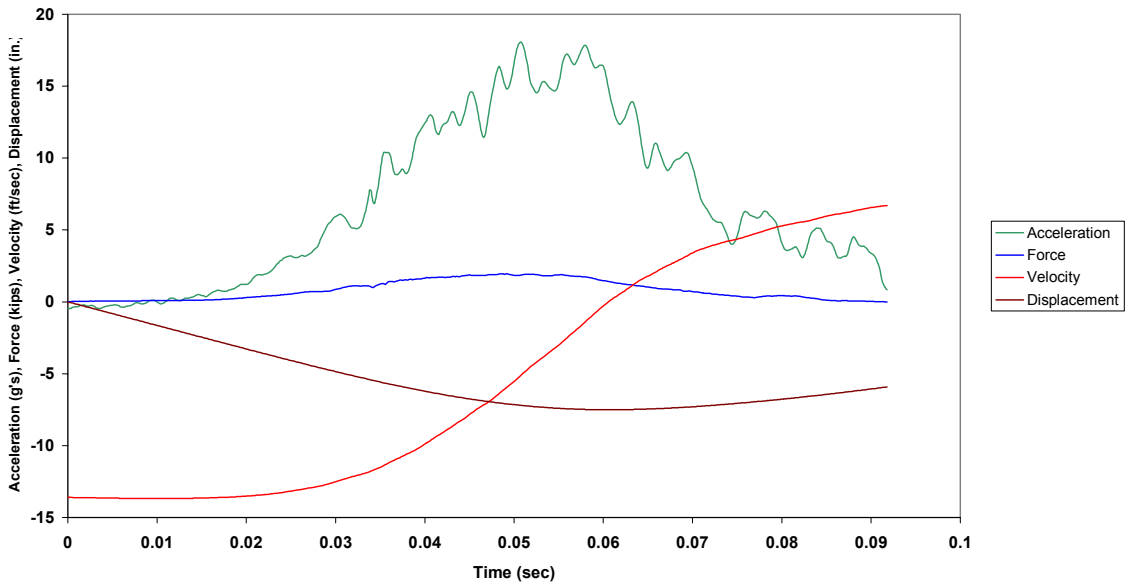


Figure B.117.2 Case 5J: Combined Plot



Case 5J: Precycled 3/4 in. RP Ultra Blue (65 lb from 96 in.)

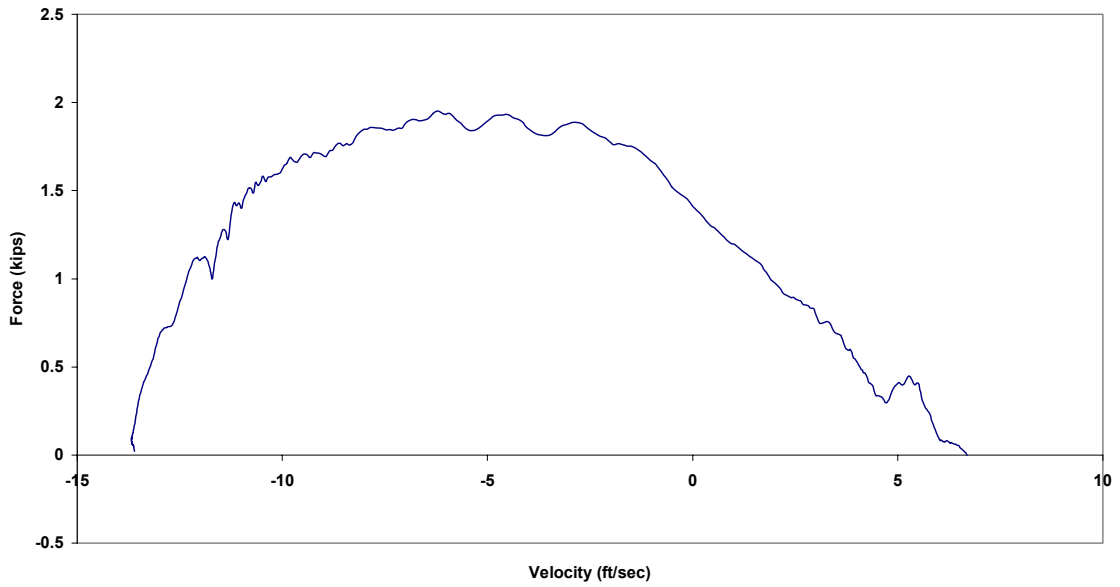


Figure B.117.3 Case 5J: Force vs. Velocity

Case 5J: Precycled 3/4 in. RP Ultra Blue (65 lb from 96 in.)

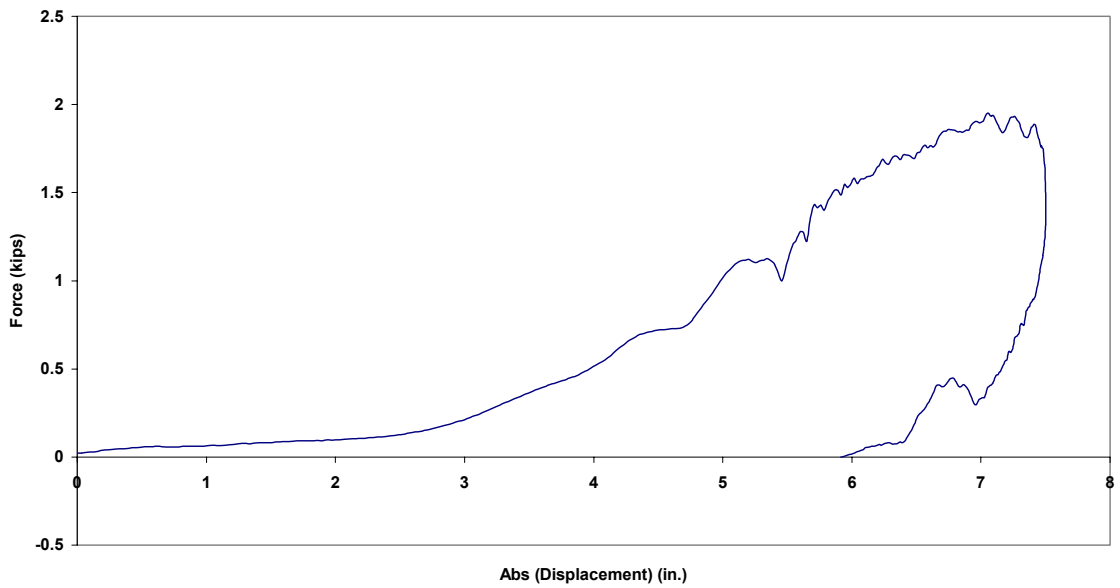


Figure B.117.4 Case 5J: Force vs. Absolute Displacement

Case 6J: Precycled 3/4 in. RP Ultra Blue (85 lb from 58 in.)

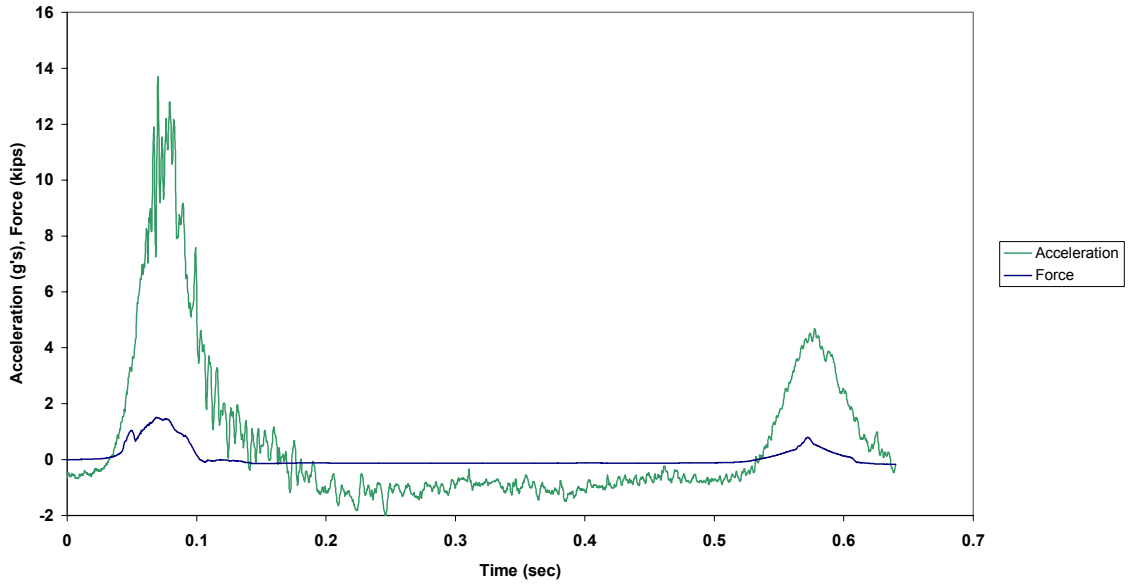


Figure B.118.1 Case 6J: Force and Acceleration vs. Time

Case 6J: Precycled 3/4 in. RP Ultra Blue (85 lb from 58 in.)

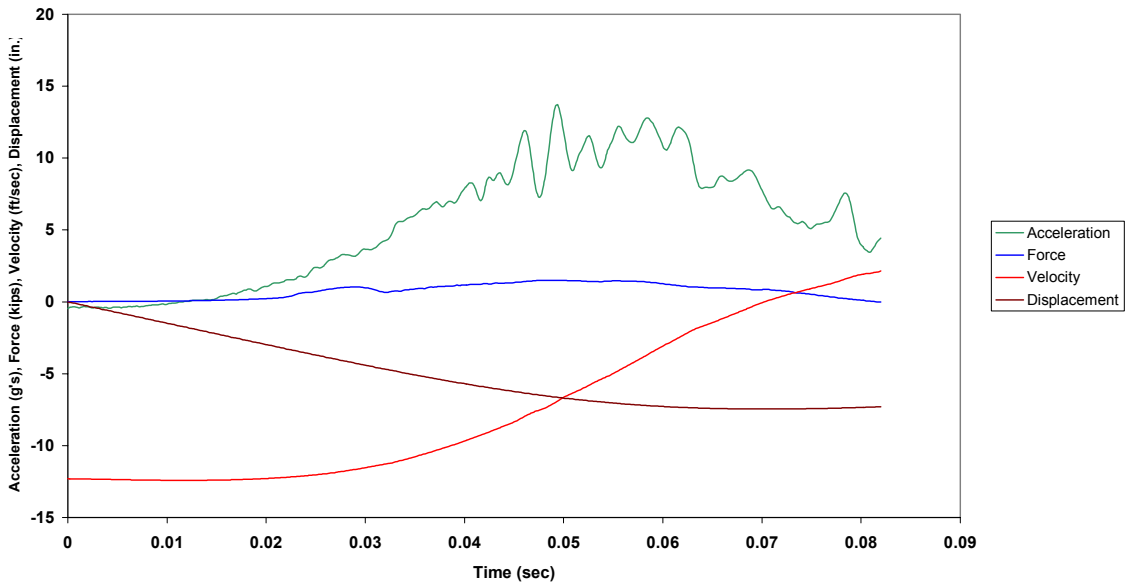


Figure B.118.2 Case 6J: Combined Plot

Case 6J: Precycled 3/4 in. RP Ultra Blue (85 lb from 58 in.)

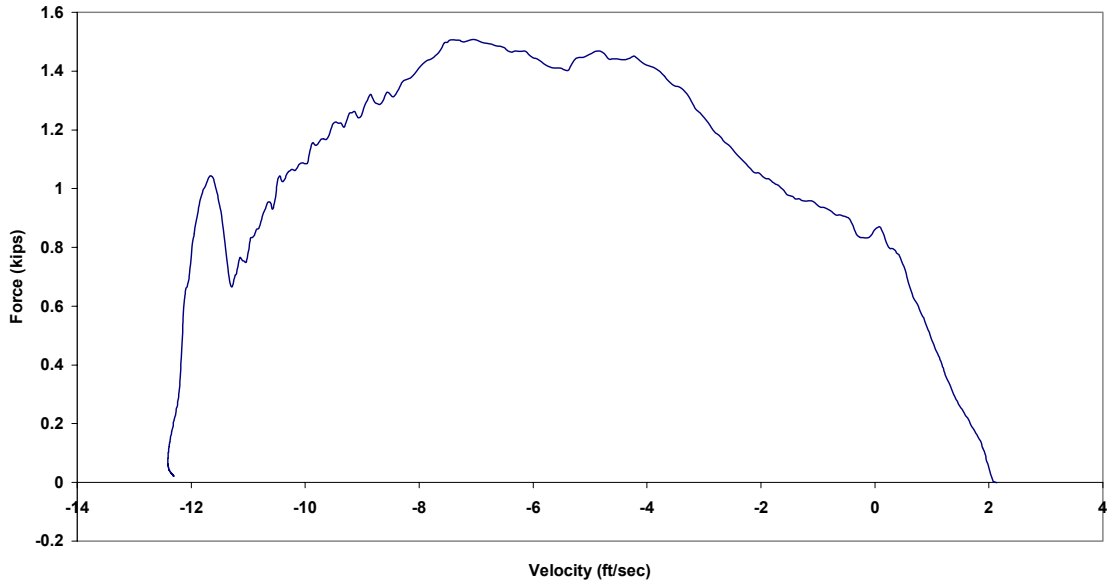


Figure B.118.3 Case 6J: Force vs. Velocity

Case 6J: Precycled 3/4 in. RP Ultra Blue (85 lb from 58 in.)

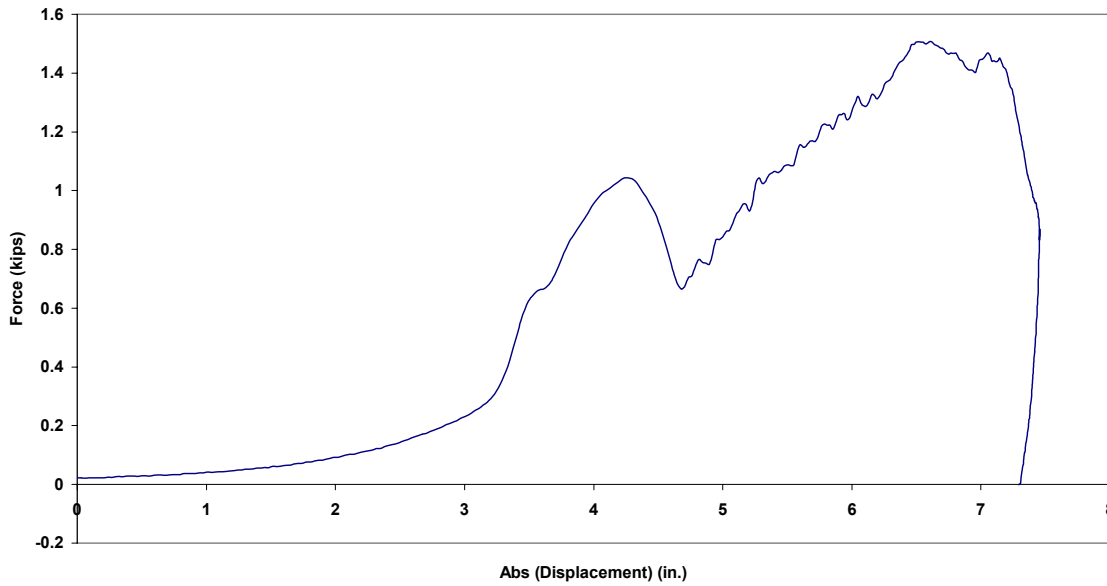


Figure B.118.4 Case 6J: Force vs. Absolute Displacement

Case 7J: Precycled 3/4 in. RP Ultra Blue (85 lb from 70 in.)

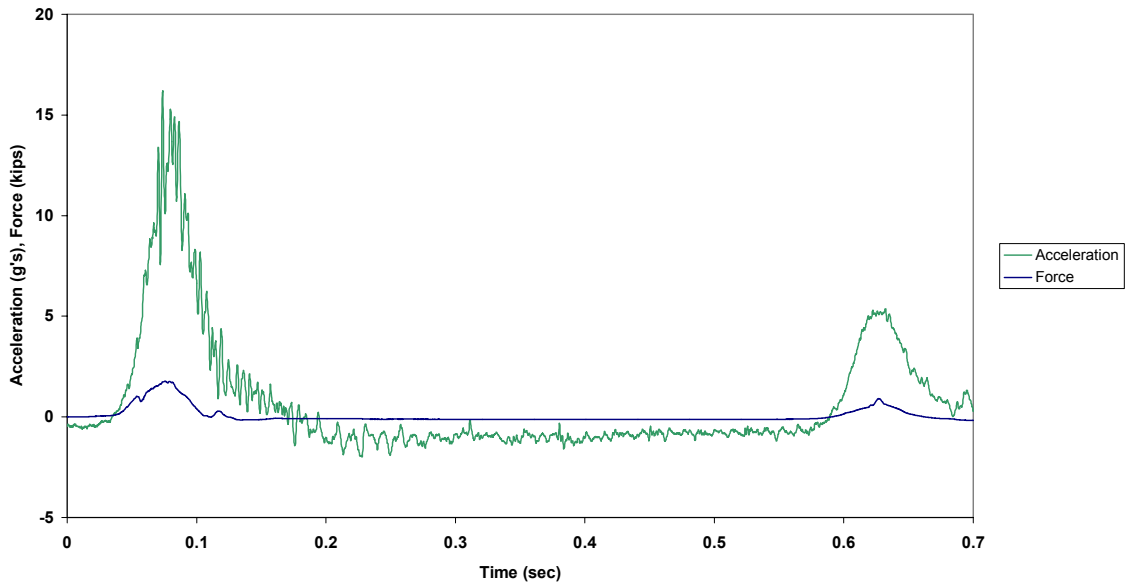


Figure B.119.1 Case 7J: Force and Acceleration vs. Time

Case 7J: Precycled 3/4 in. RP Ultra Blue (85 lb from 70 in.)

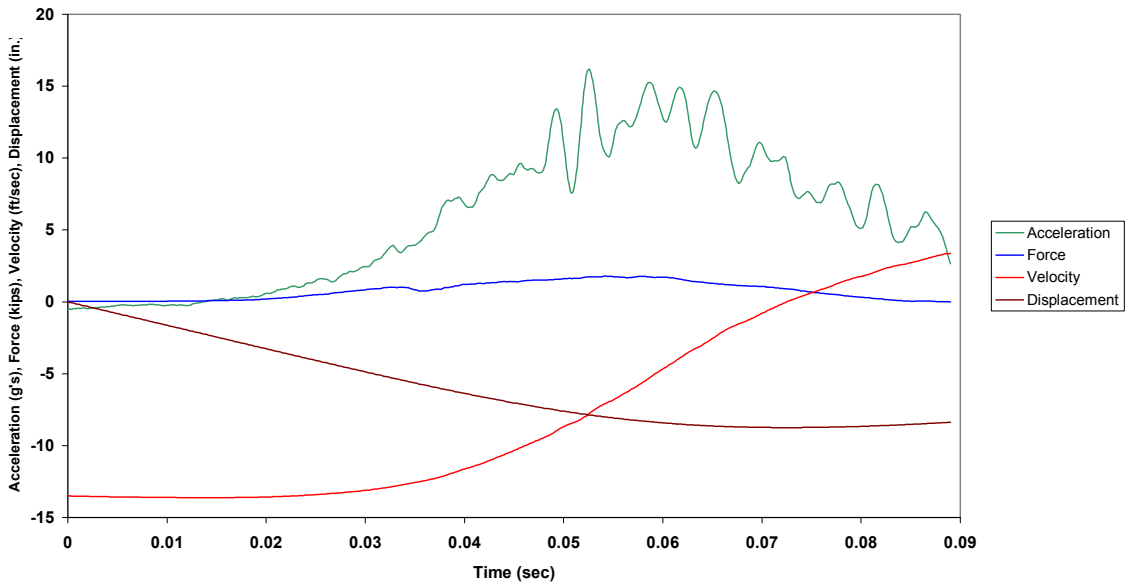


Figure B.119.2 Case 7J: Combined Plot

Case 7J: Precycled 3/4 in. RP Ultra Blue (85 lb from 70 in.)

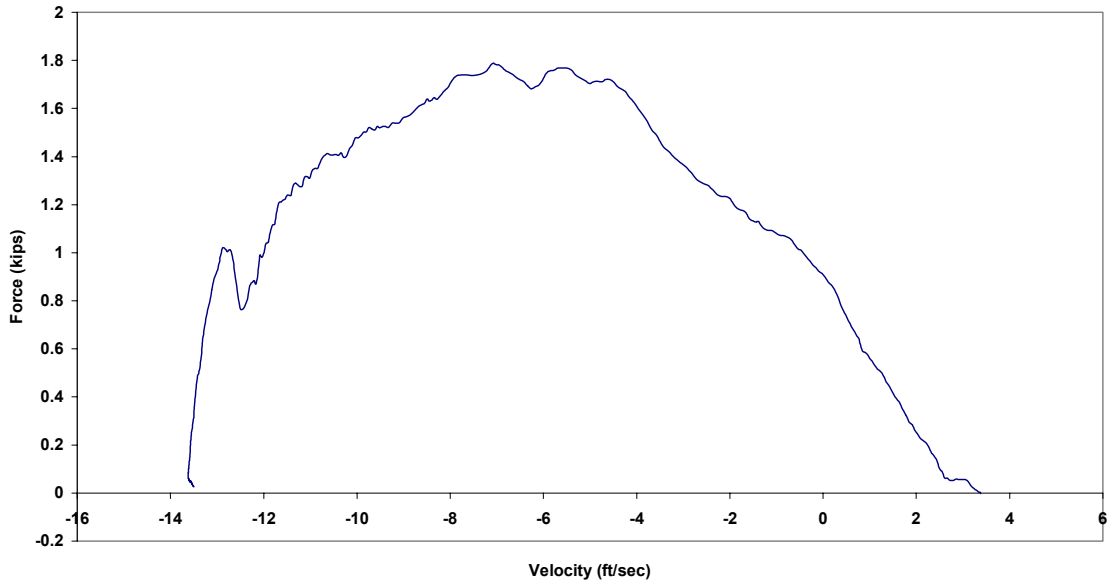


Figure B.119.3 Case 7J: Force vs. Velocity

Case 7J: Precycled 3/4 in. RP Ultra Blue (85 lb from 70 in.)

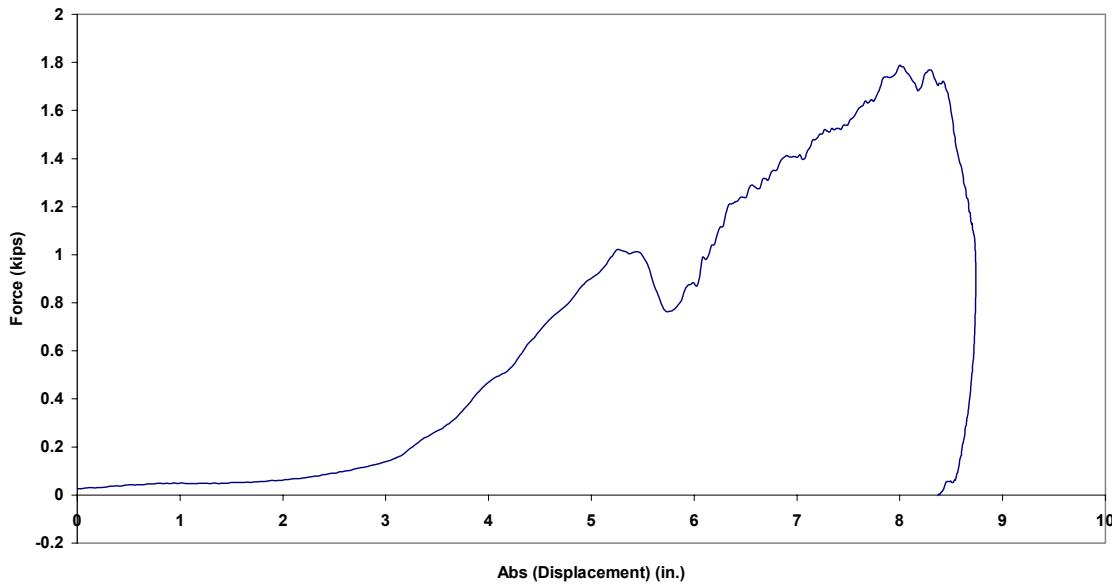


Figure B.119.4 Case 7J: Force vs. Absolute Displacement

Case 8J: Precycled 3/4 in. RP Ultra Blue (85 lb from 82 in.)

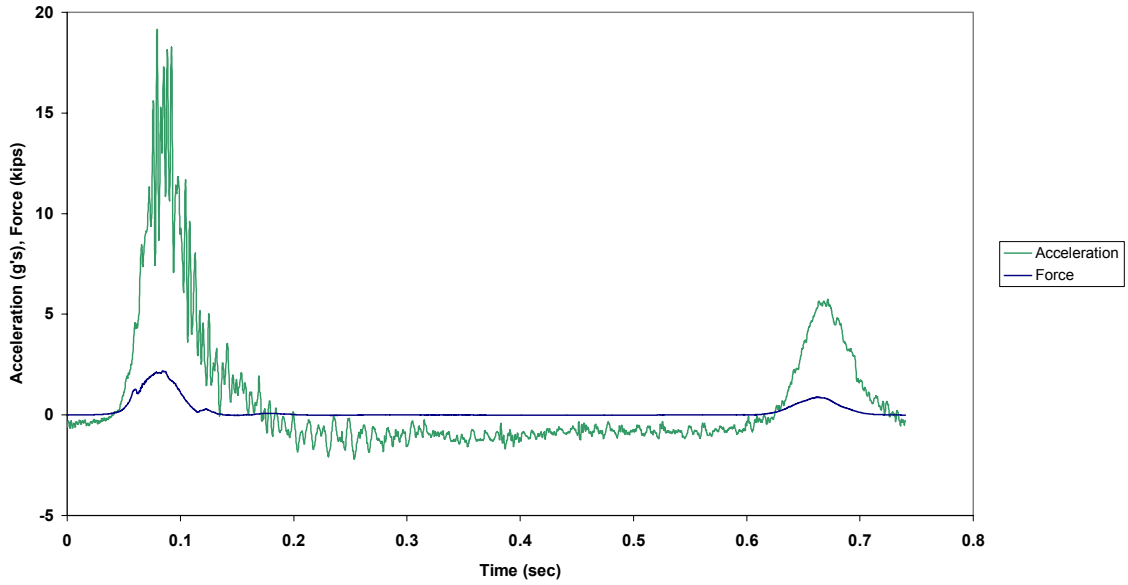


Figure B.120.1 Case 8J: Force and Acceleration vs. Time

Case 8J: Precycled 3/4 in. RP Ultra Blue (85 lb from 82 in.)

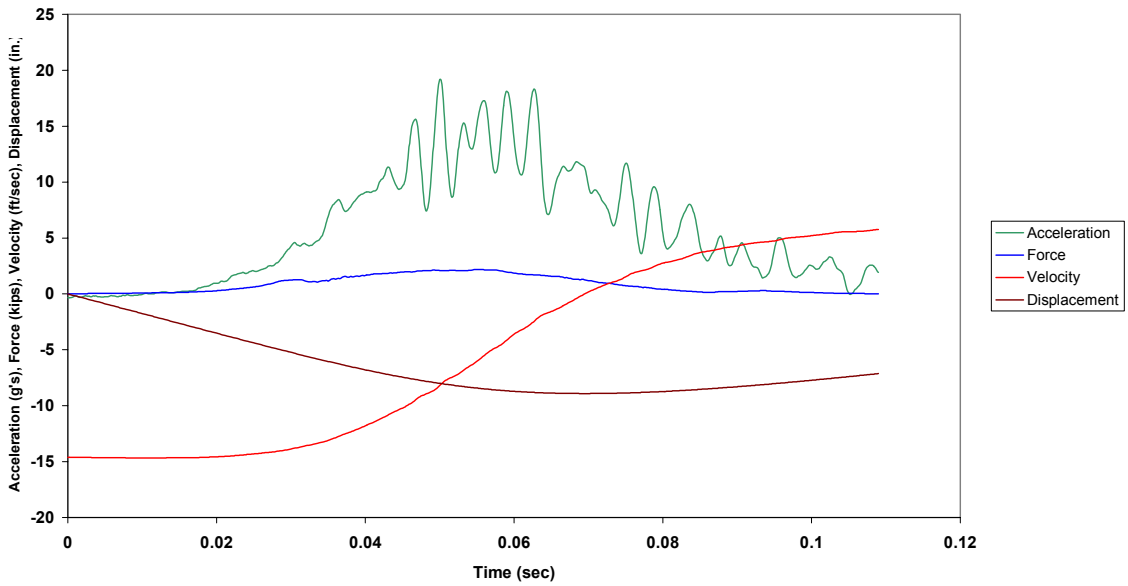


Figure B.120.2 Case 8J: Combined Plot

Case 8J: Precycled 3/4 in. RP Ultra Blue (85 lb from 82 in.)

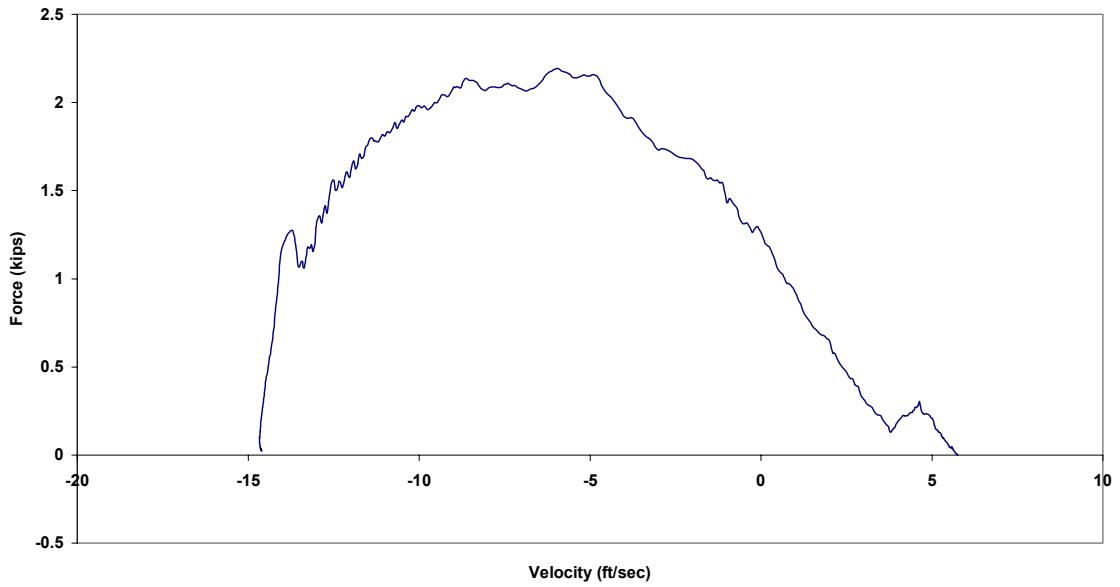


Figure B.120.3 Case 8J: Force vs. Velocity

Case 8J: Precycled 3/4 in. RP Ultra Blue (85 lb from 82 in.)

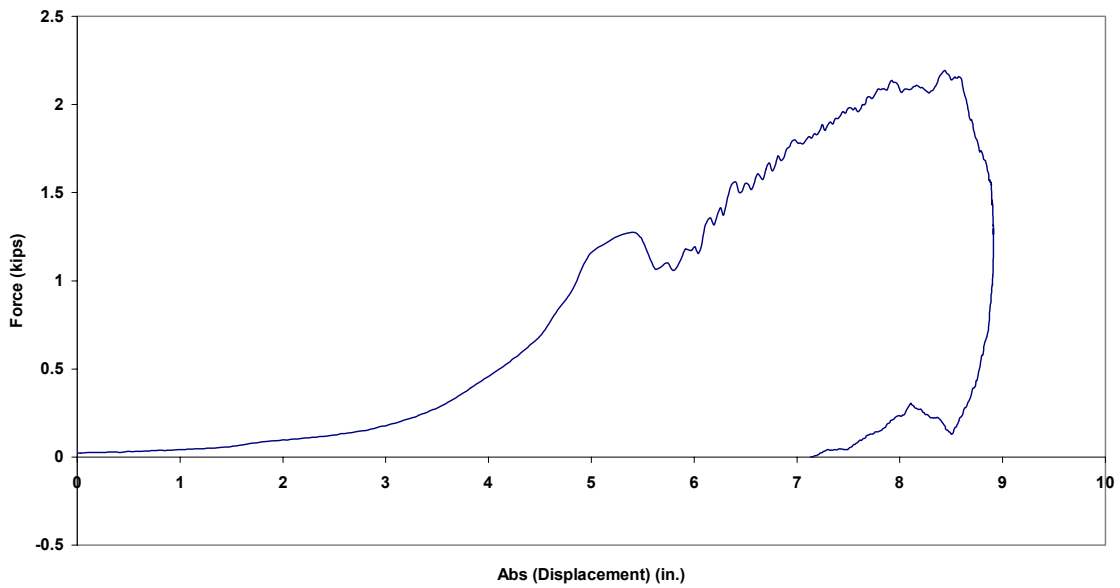


Figure B.120.4 Case 8J: Force vs. Absolute Displacement

Case 9J: Precycled 3/4 in. RP Ultra Blue (85 lb from 94 in.)

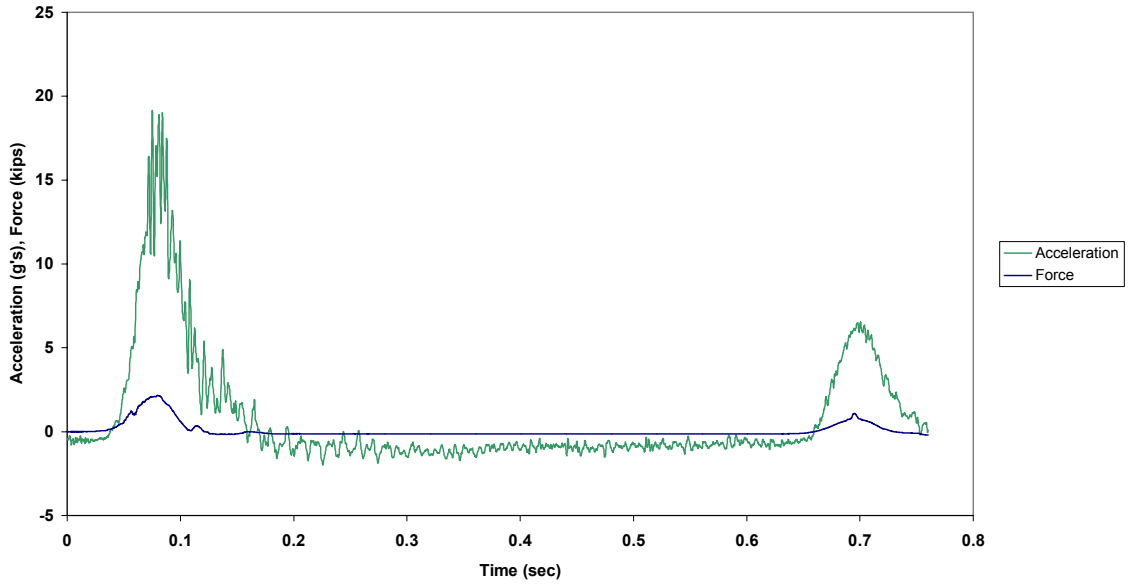


Figure B.121.1 Case 9J: Force and Acceleration vs. Time

Case 9J: Precycled 3/4 in. RP Ultra Blue (85 lb from 94 in.)

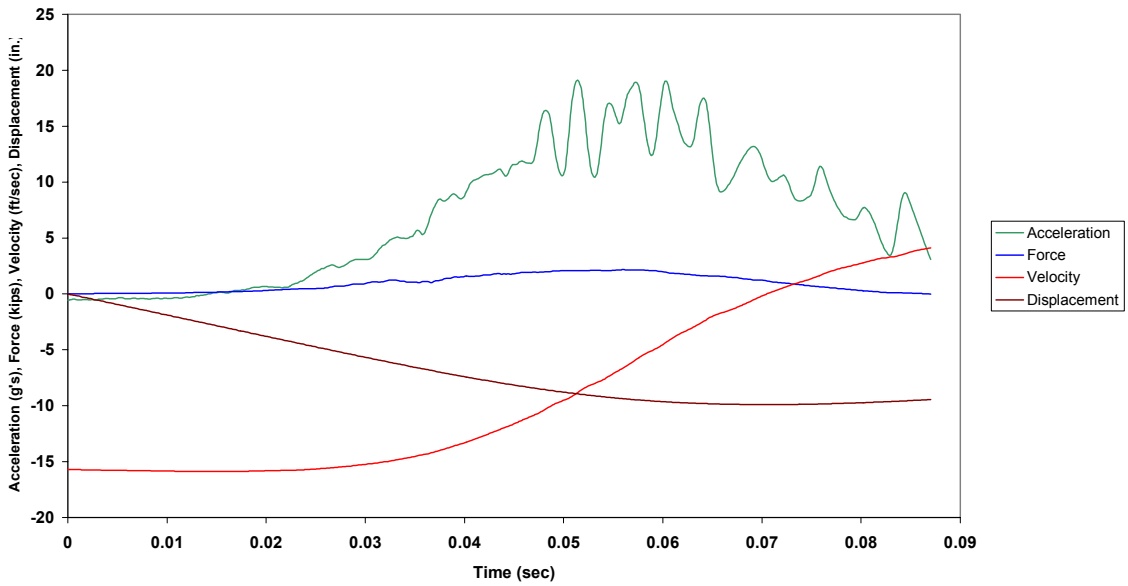


Figure B.121.2 Case 9J: Combined Plot



Case 9J: Precycled 3/4 in. RP Ultra Blue (85 lb from 94 in.)

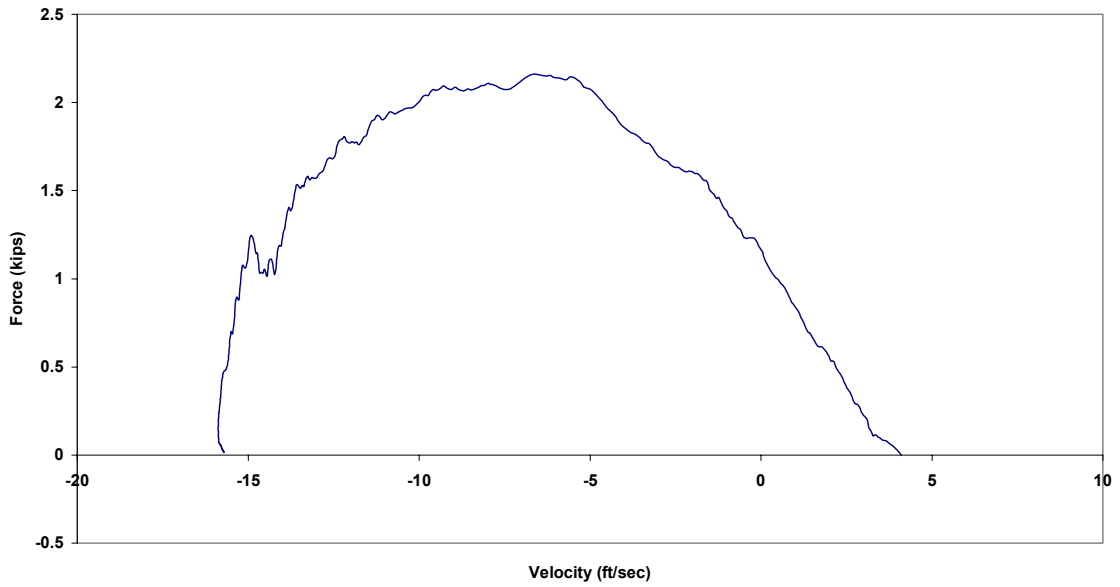


Figure B.121.3 Case 9J: Force vs. Velocity

Case 9J: Precycled 3/4 in. RP Ultra Blue (85 lb from 94 in.)

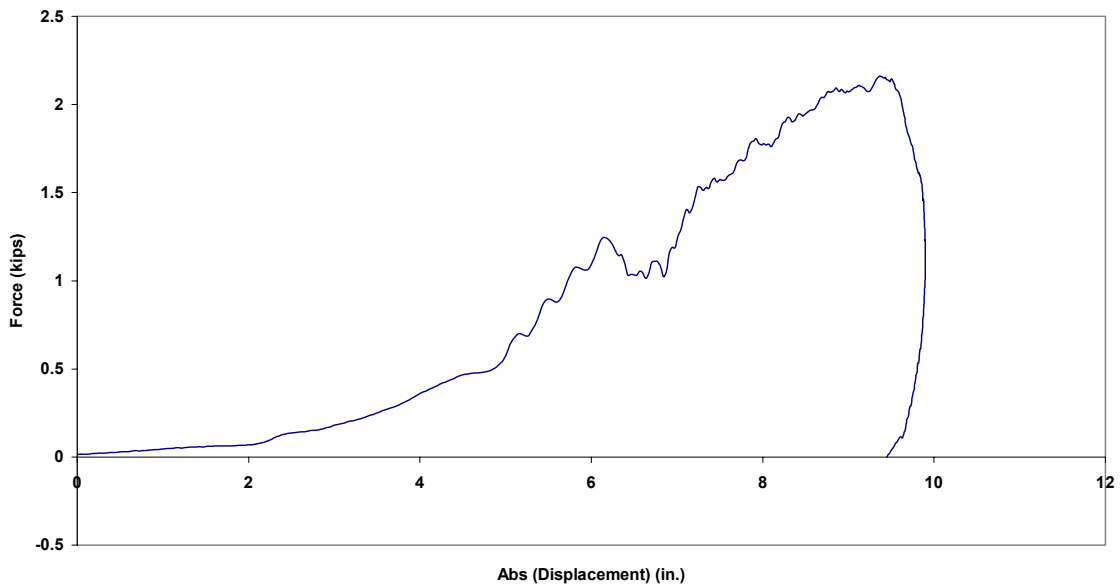


Figure B.121.4 Case 9J: Force vs. Absolute Displacement

Case 10J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

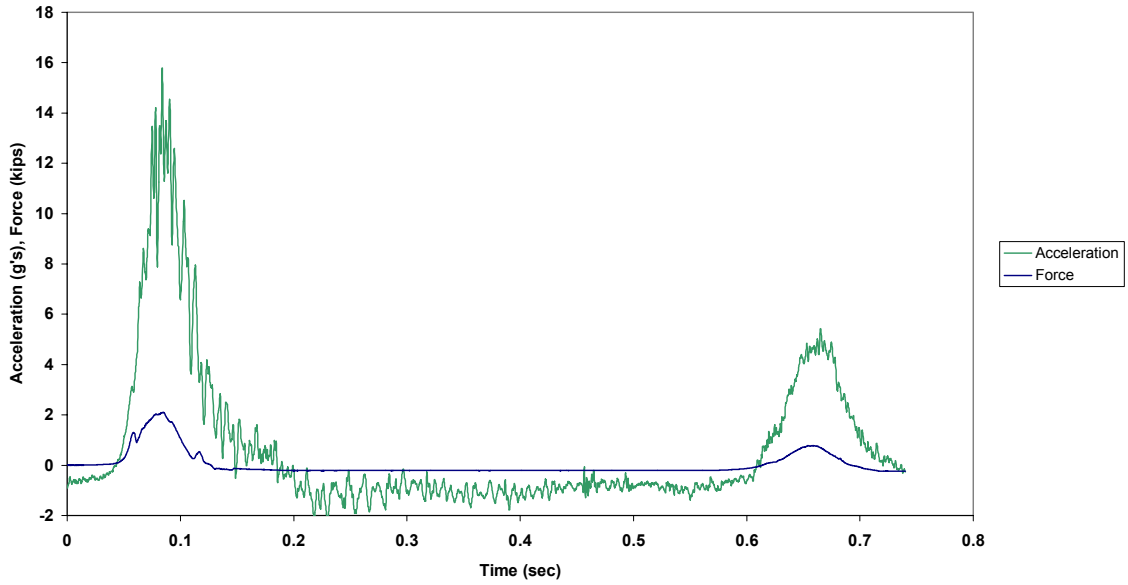


Figure B.122.1 Case 10J: Force and Acceleration vs. Time

Case 10J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

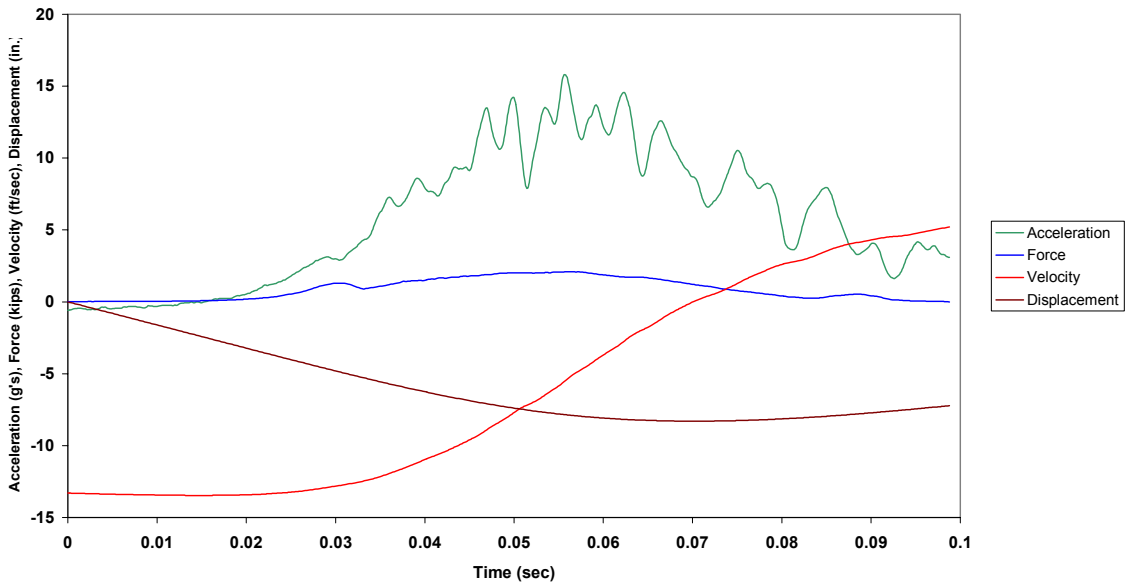


Figure B.122.2 Case 10J: Combined Plot

Case 10J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

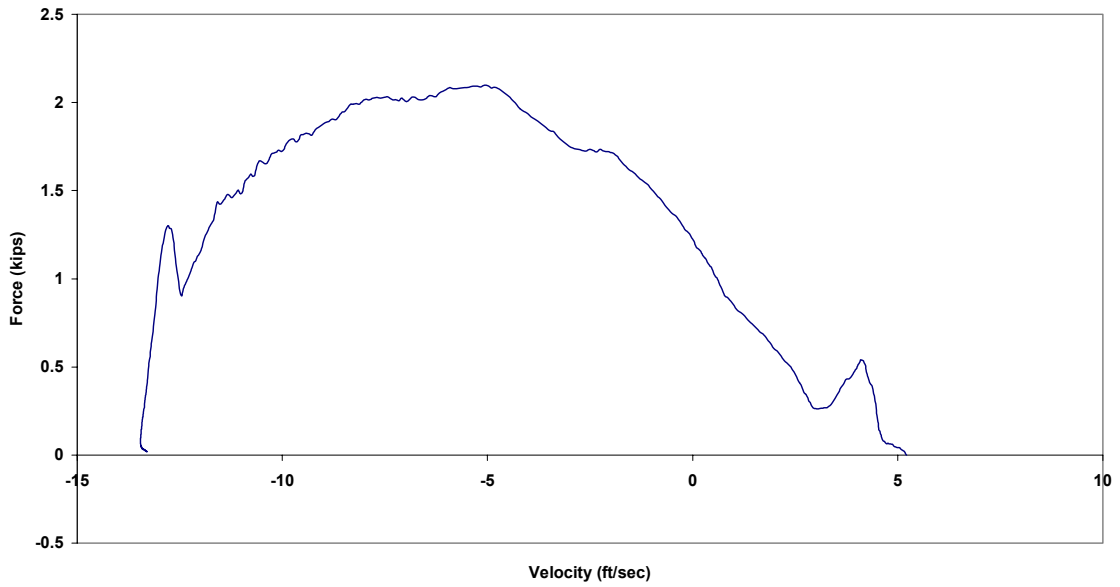


Figure B.122.3 Case 10J: Force vs. Velocity

Case 10J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

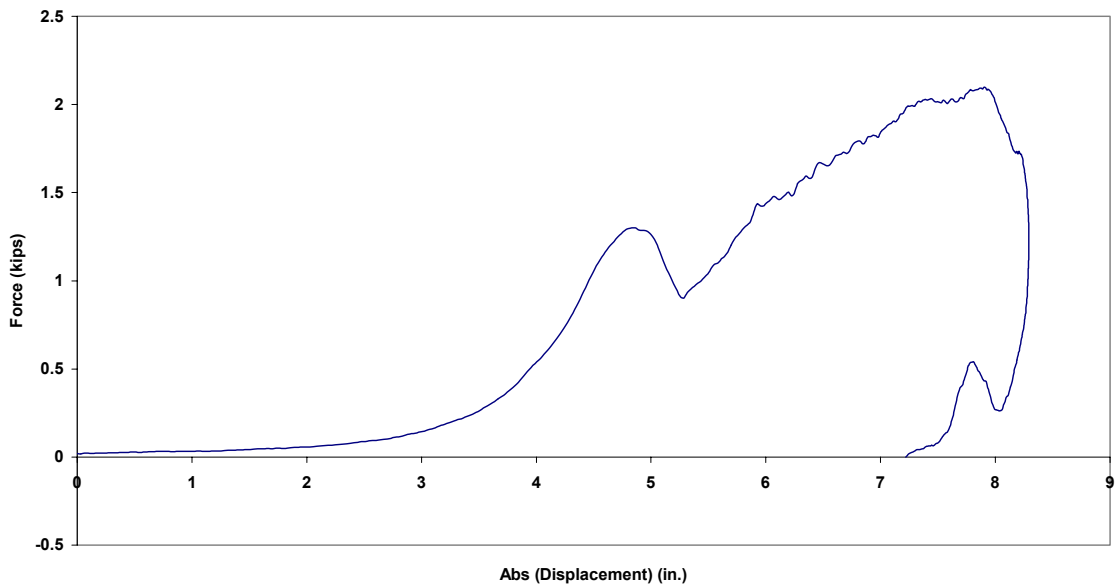


Figure B.122.4 Case 10J: Force vs. Absolute Displacement

Case 11J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

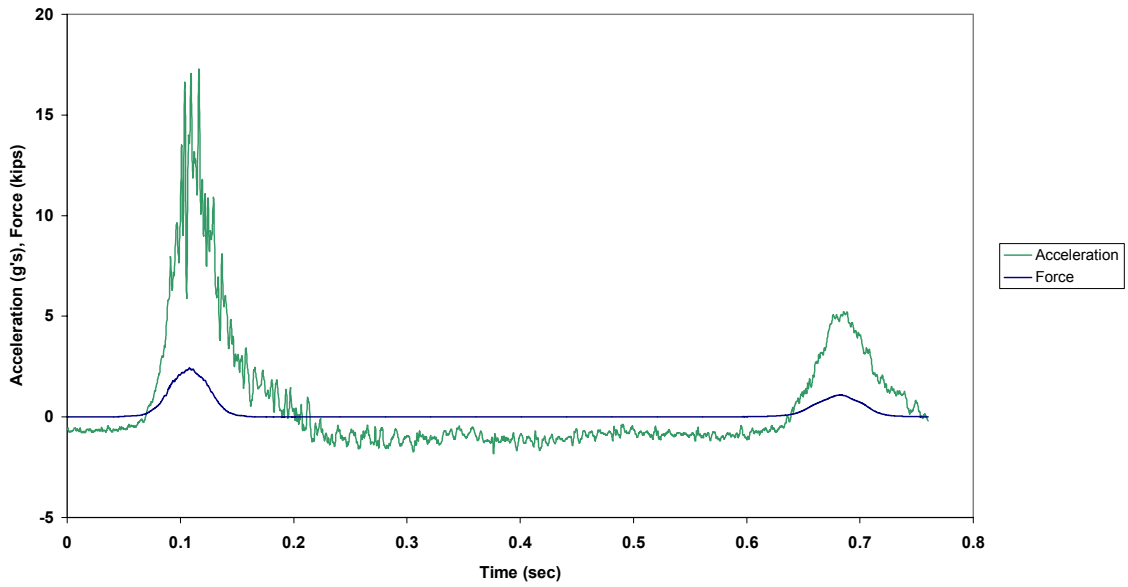


Figure B.123.1 Case 11J: Force and Acceleration vs. Time

Case 11J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

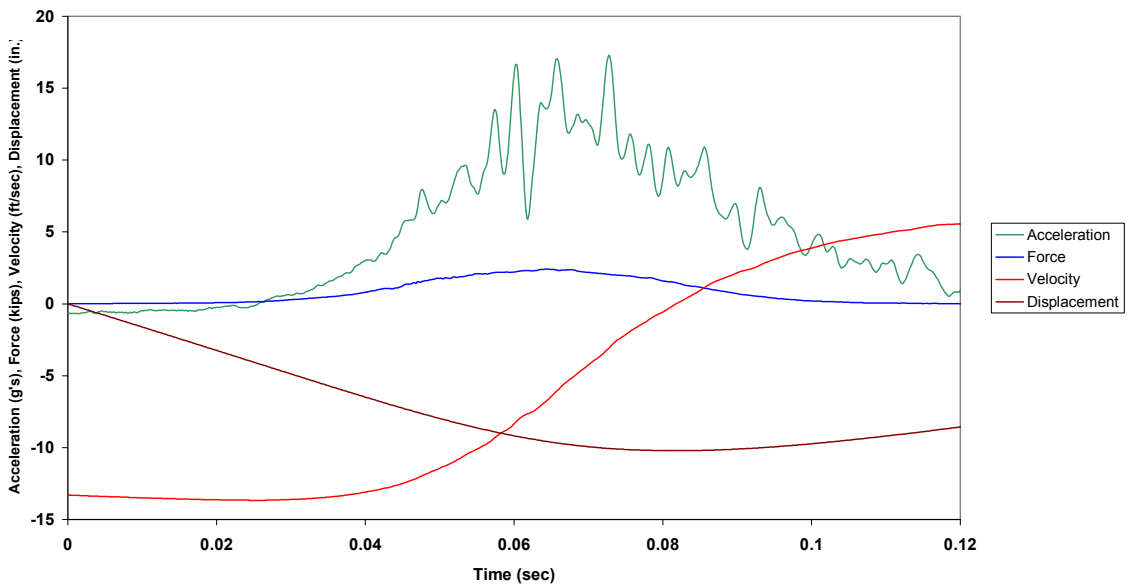


Figure B.123.2 Case 11J: Combined Plot

Case 11J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

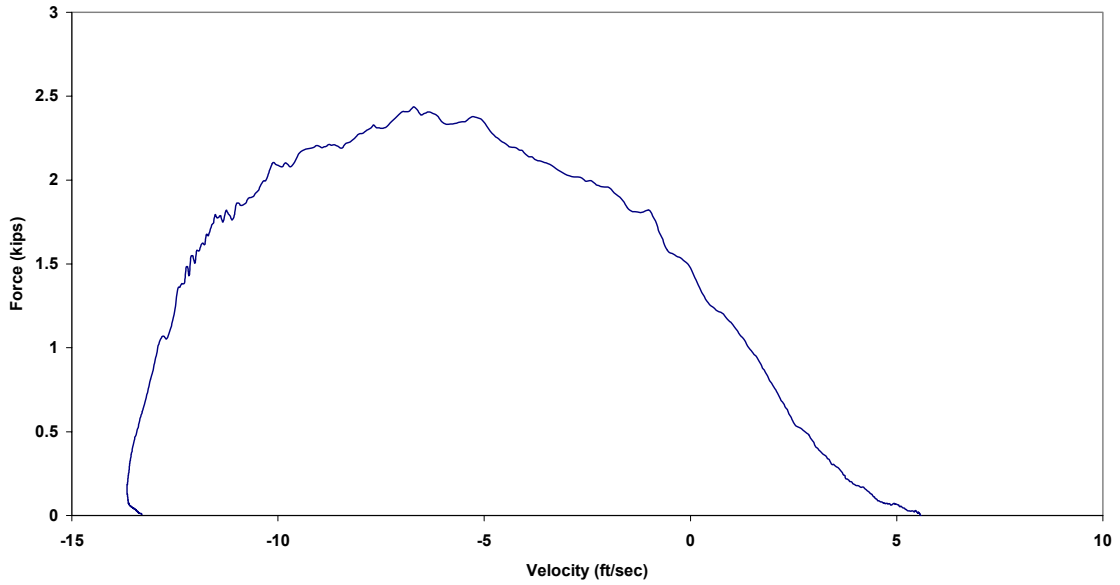


Figure B.123.3 Case 11J: Force vs. Velocity

Case 11J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

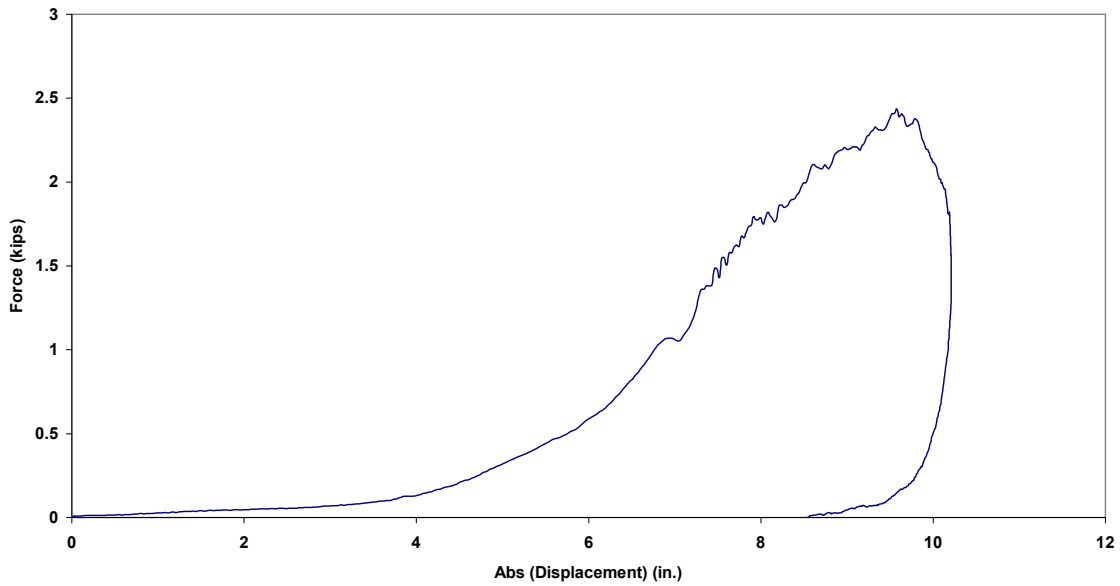


Figure B.123.4 Case 11J: Force vs. Absolute Displacement

Case 12J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

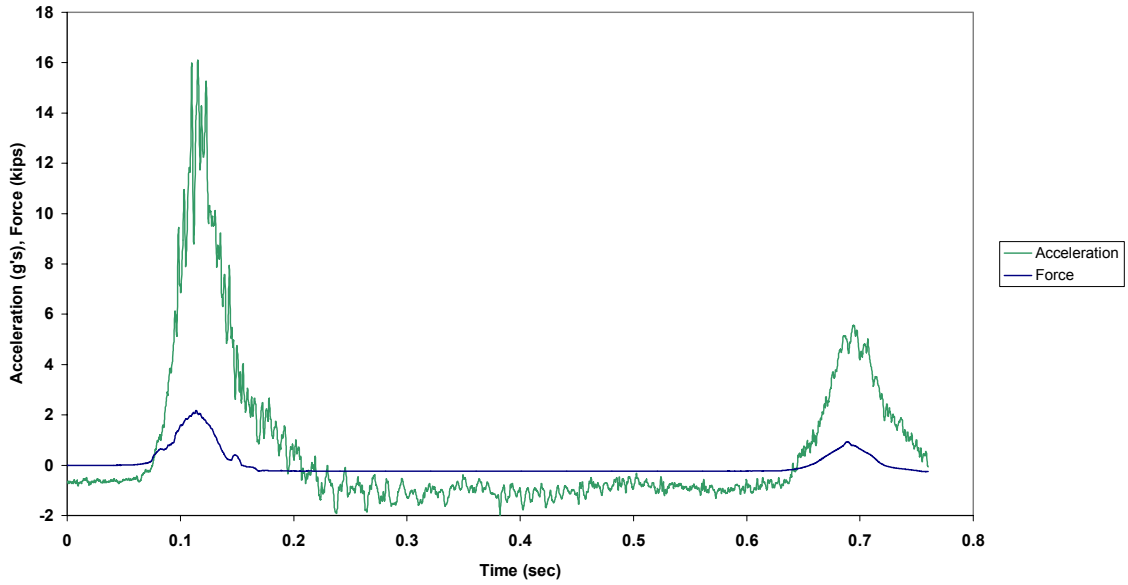


Figure B.124.1 Case 12J: Force and Acceleration vs. Time

Case 12J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

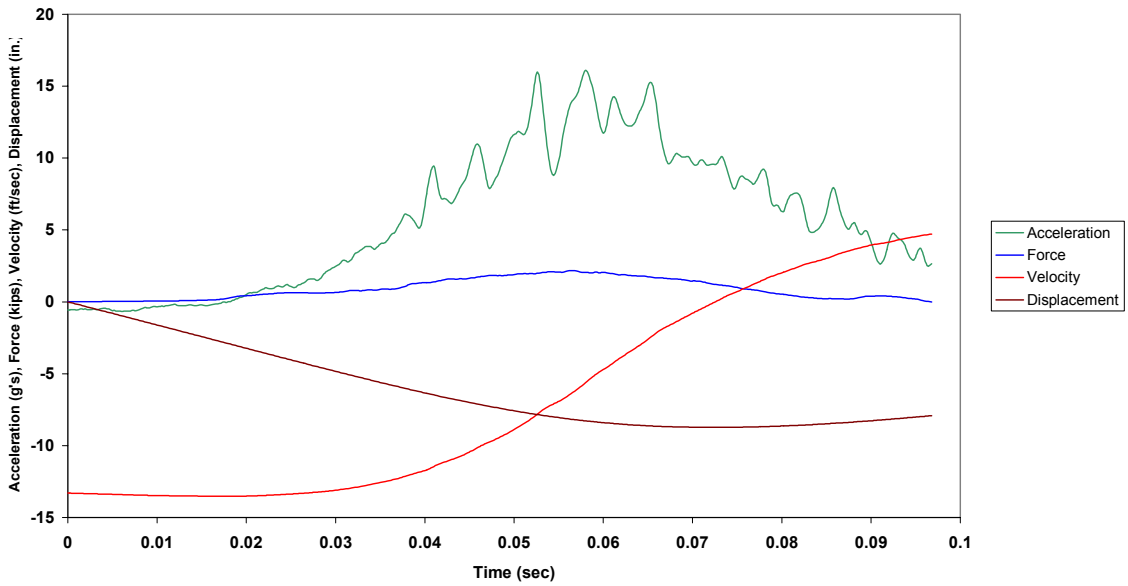


Figure B.124.2 Case 12J: Combined Plot

Case 12J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

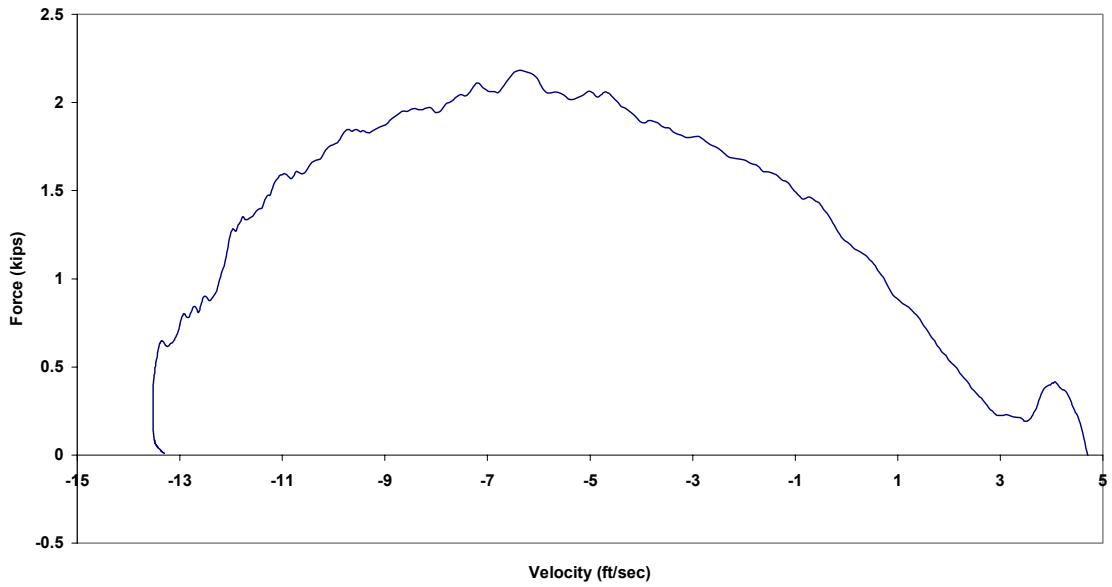


Figure B.124.3 Case 12J: Force vs. Velocity

Case 12J: Precycled 3/4 in. RP Ultra Blue (105 lb from 59 in.)

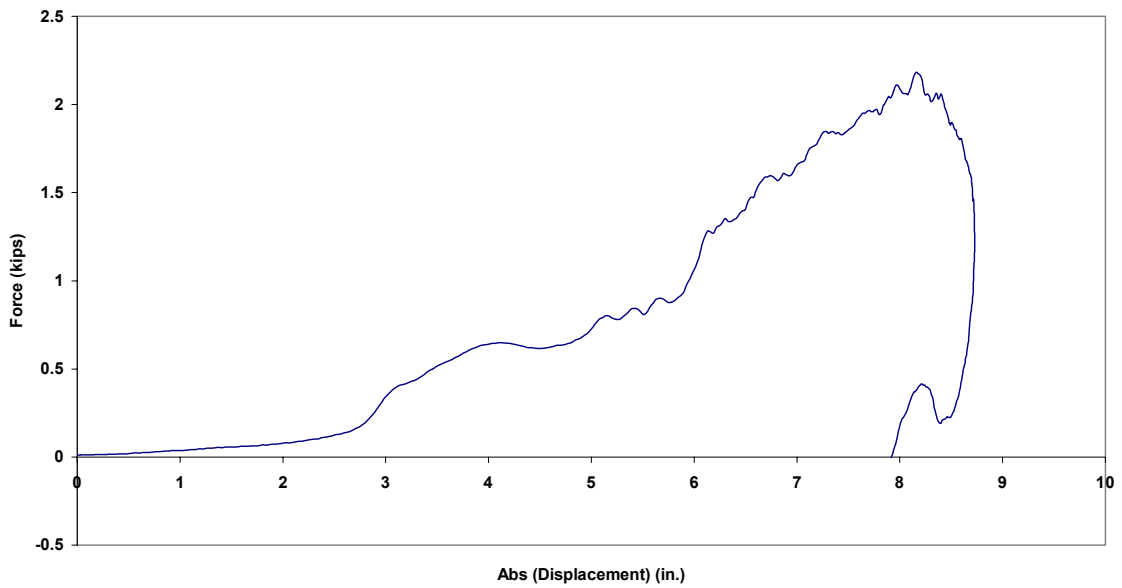


Figure B.124.4 Case 12J: Force vs. Absolute Displacement

<b>1/2-inch Tech 12 (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1K	1	54	65
Test 2K	2	66	65
Test 3K	3	78	65
Test 4K	4	90	65
Test 5K	5	96	65
Test Sequence Two			
Test 6K	6	58	85
Test 7K	7	70	85
Test 8K	8	82	85
Test 9K	9	94	85
Test Sequence Three			
Test 10K	10	58	105
Test 11K	11	58	105
Test 12K	12	58	105
Test Sequence Four			
Test 13K	13	54	45
Test 14K	14	54	65
Test 15K	15	54	85
Test 16K	16	54	105
Test 17K	17	54	125
Test 18K	18	54	125
Test 19K	19	54	105
Test 20K	20	54	85
Test 21K	21	54	65
Test 22K	22	54	45

Table B.4.1 Test Sequence for 1/2 in. Tech 12 (New)



<b>1/2-inch Tech 12 (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1L	1	54	65
Test 2L	2	66	65
Test 3L	3	78	65
Test 4L	4	90	65
Test 5L	5	96	65
Test Sequence Two			
Test 6L	6	58	85
Test 7L	7	70	85
Test 8L	8	82	85
Test 9L	9	94	85
Test Sequence Three			
Test 10L	10	58	105
Test 11L	11	58	105
Test 12L	12	58	105

Table B.4.2 Test Sequence for 1/2 in. Tech 12 (Precycled)

<b>3/8-inch Tech 12 (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1M	1	56	65
Test 2M	2	68	65
Test 3M	3	80	65
Test 4M	4	92	65
Test Sequence Two			
Test 5M	5	59	85
Test 6M	6	71	85
Test 7M	7	83	85
Test Sequence Three			
Test 8M	8	59	105
Test 9M	9	59	105

Table B.4.3 Test Sequence for 3/8 in. Tech 12 (New)

<b>3/8-inch Tech 12 (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1N	1	56	65
Test 2N	2	68	65
Test 3N	3	80	65
Test 4N	4	92	65
Test Sequence Two			
Test 5N	5	59	85
Test 6N	6	71	85
Test 7N	7	83	85
Test Sequence Three			
Test 8N	8	59	105
Test 9N	9	59	105
Test 10N	10	59	105

Table B.4.4 Test Sequence for 3/8 in. Tech 12 (Precycled)

Case 1K: New 1/2 in. Tech 12 (65 lb from 54 in.)

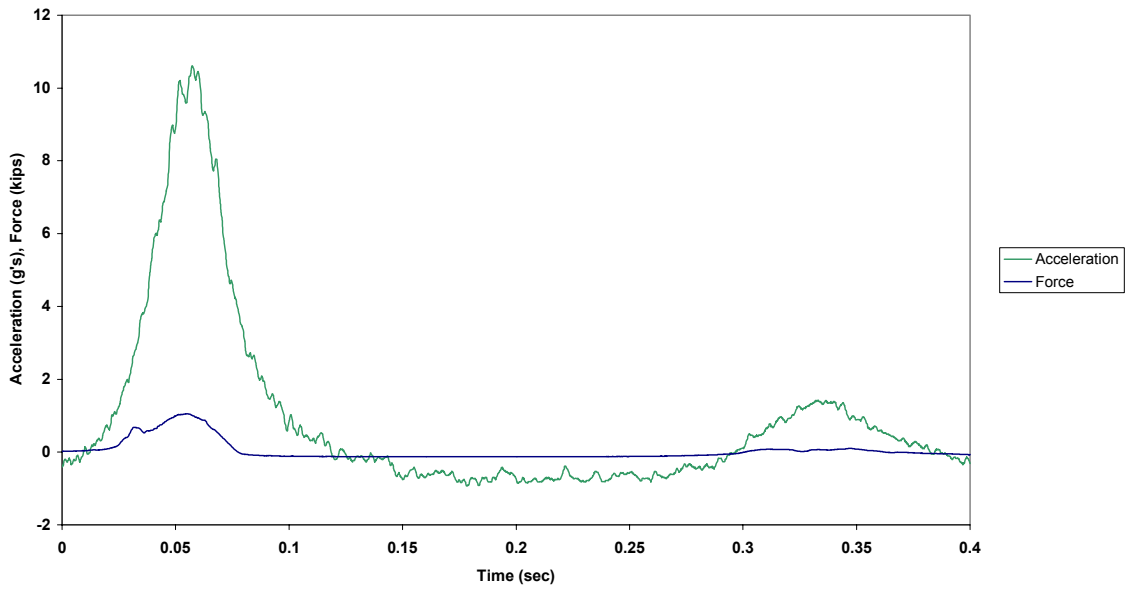


Figure B.125.1 Case 1K: Force and Acceleration vs. Time

Case 1K: New 1/2 in. Tech 12 (65 lb from 54 in.)

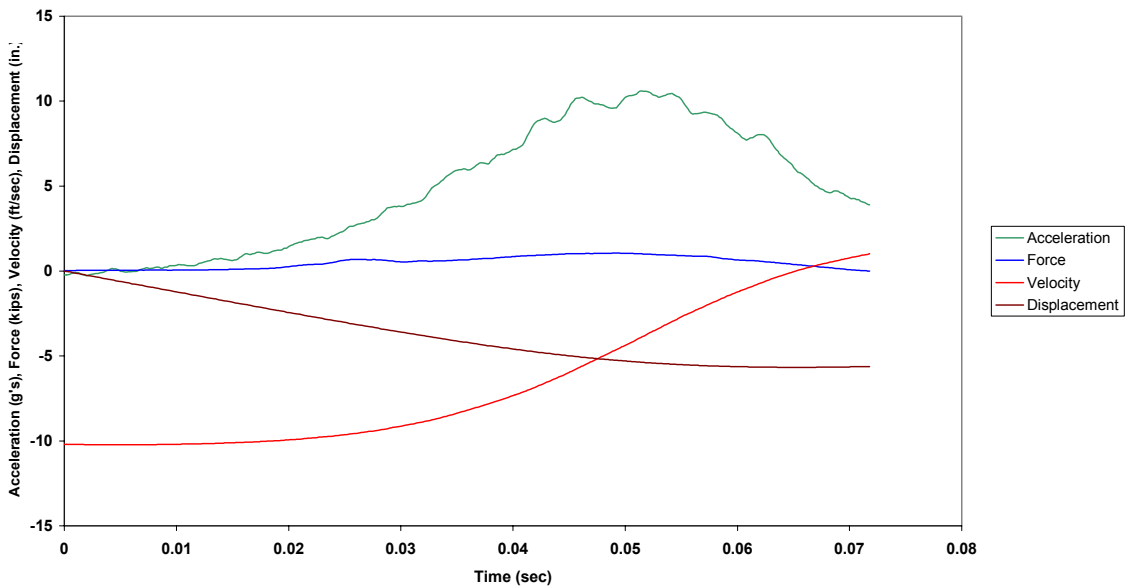


Figure B.125.2 Case 1K: Combined Plot

Case 1K: New 1/2 in. Tech 12 (65 lb from 54 in.)

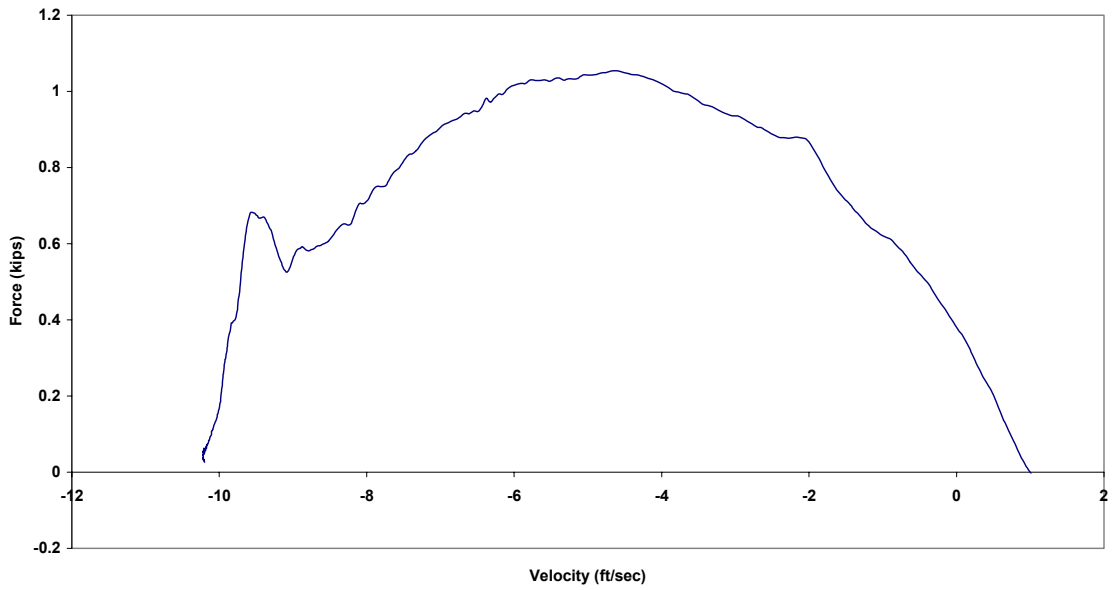


Figure B.125.3 Case 1K: Force vs. Velocity

Case 1K: New 1/2 in. Tech 12 (65 lb from 54 in.)

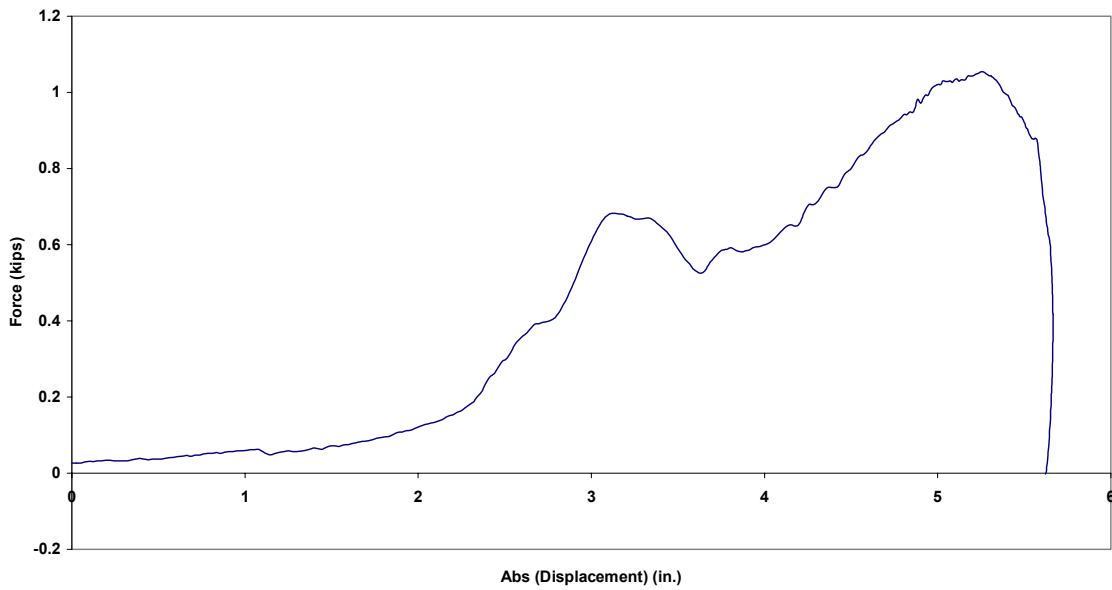


Figure B.125.4 Case 1K: Force vs. Absolute Displacement

Case 2K: New 1/2 in. Tech 12 (65 lb from 66 in.)

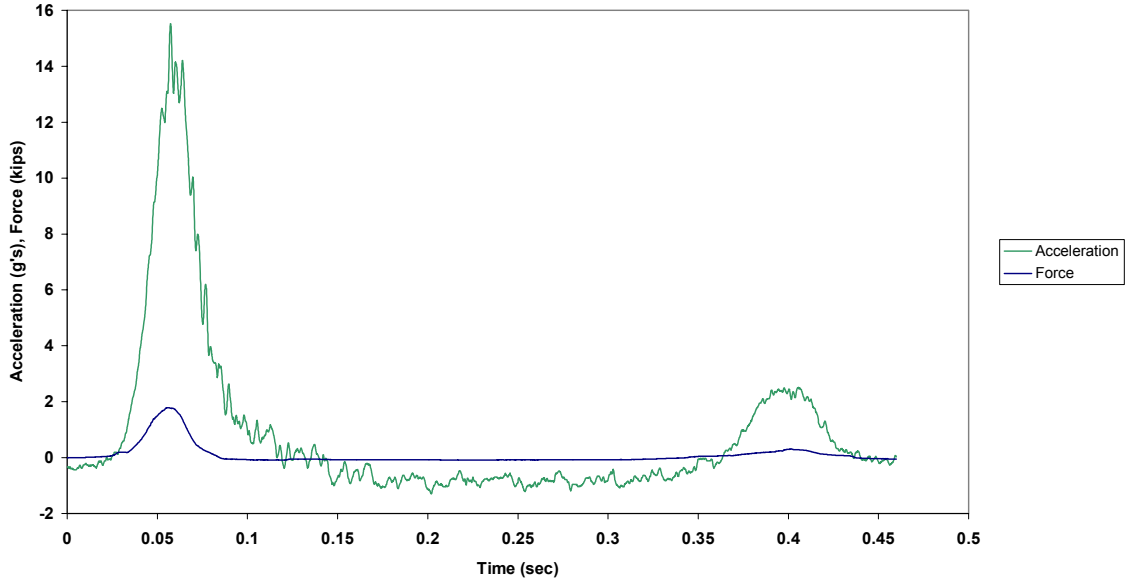


Figure B.126.1 Case 2K: Force and Acceleration vs. Time

Case 2K: New 1/2 in. Tech 12 (65 lb from 66 in.)

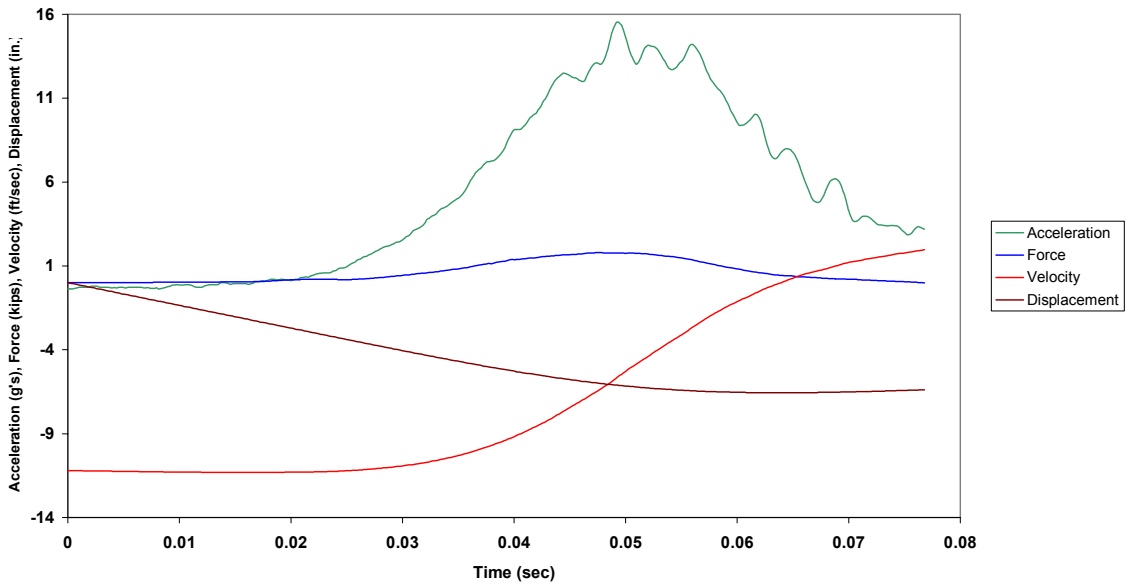


Figure B.126.2 Case 2K: Combined Plot

Case 2K: New 1/2 in. Tech 12 (65 lb from 66 in.)

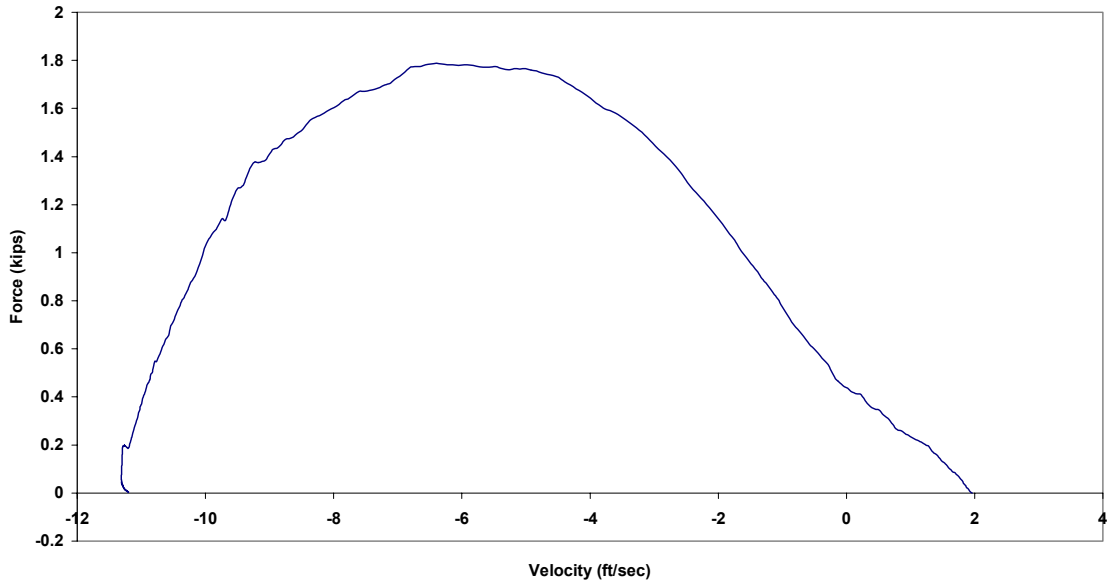


Figure B.126.3 Case 2K: Force vs. Velocity

Case 2K: New 1/2 in. Tech 12 (65 lb from 66 in.)

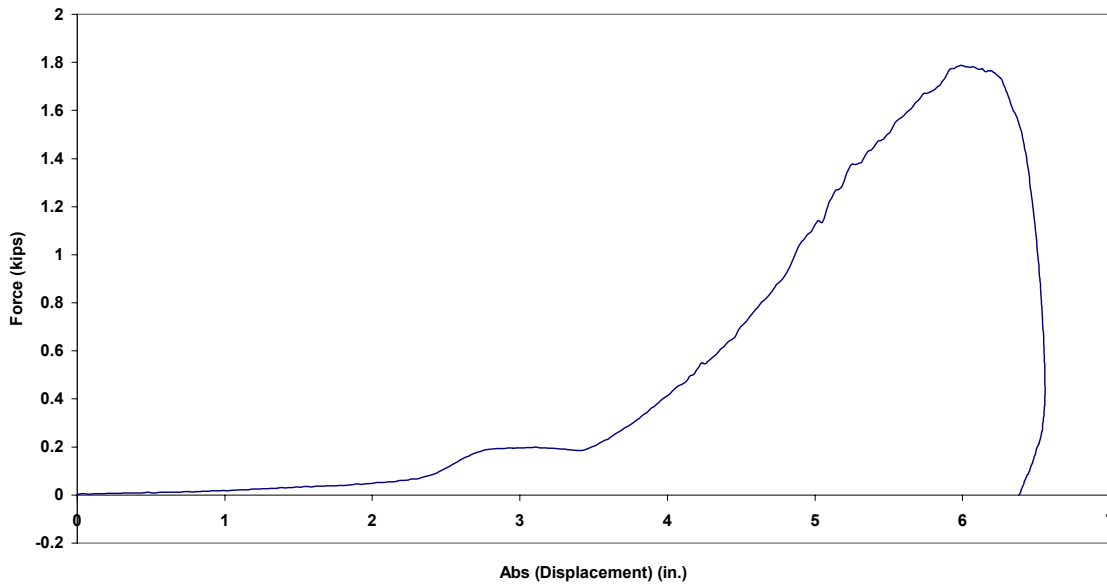


Figure B.126.4 Case 2K: Force vs. Absolute Displacement

Case 3K: New 1/2 in. Tech 12 (65 lb from 78 in.)

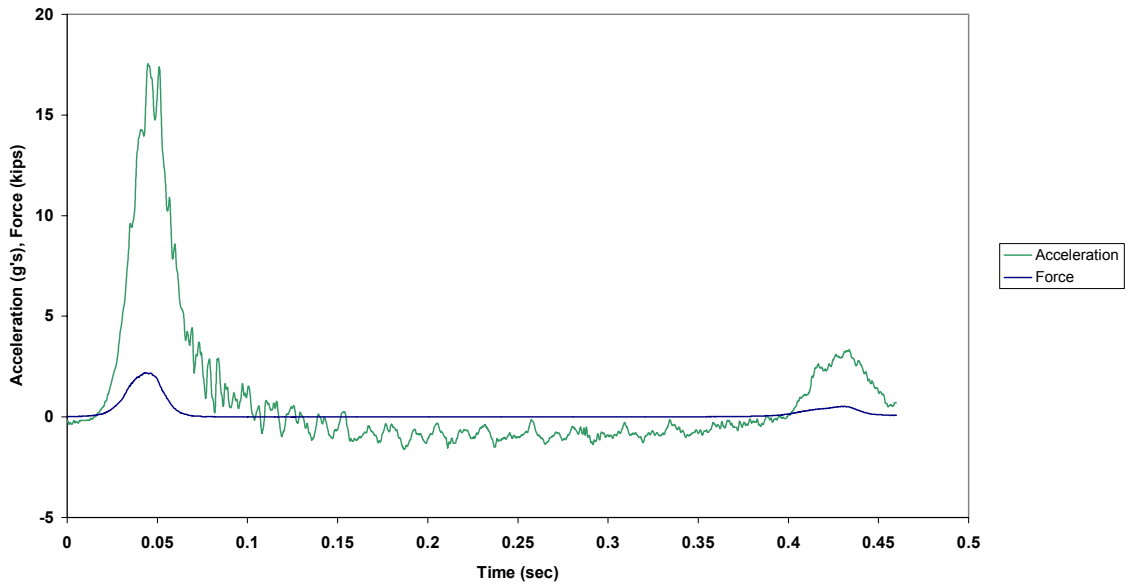


Figure B.127.1 Case 3K: Force and Acceleration vs. Time

Case 3K: New 1/2 in. Tech 12 (65 lb from 78 in.)

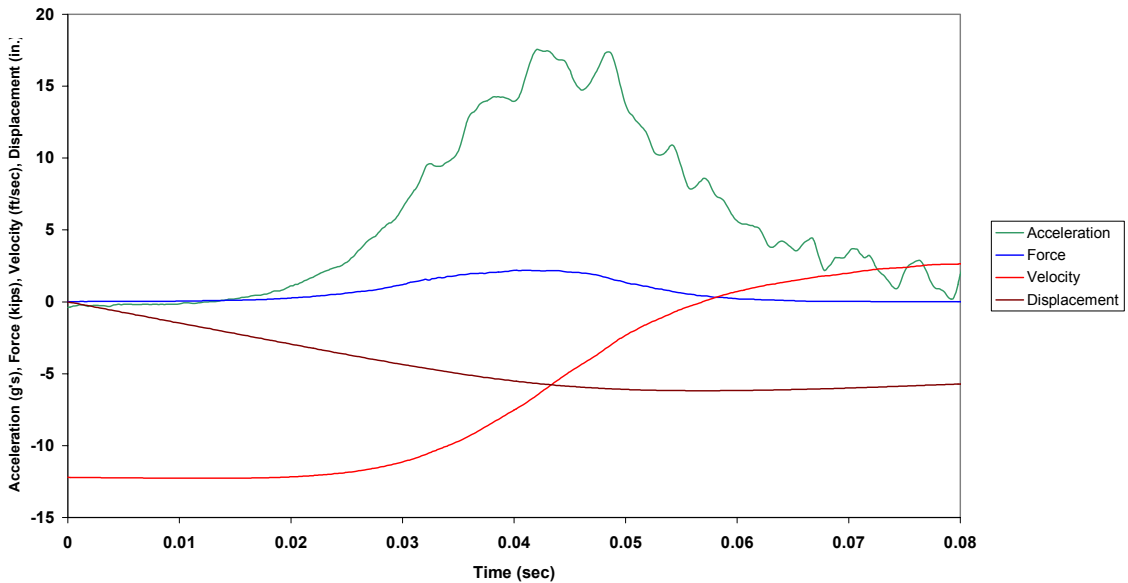


Figure B.127.2 Case 3K: Combined Plot

Case 3K: New 1/2 in. Tech 12 (65 lb from 78 in.)

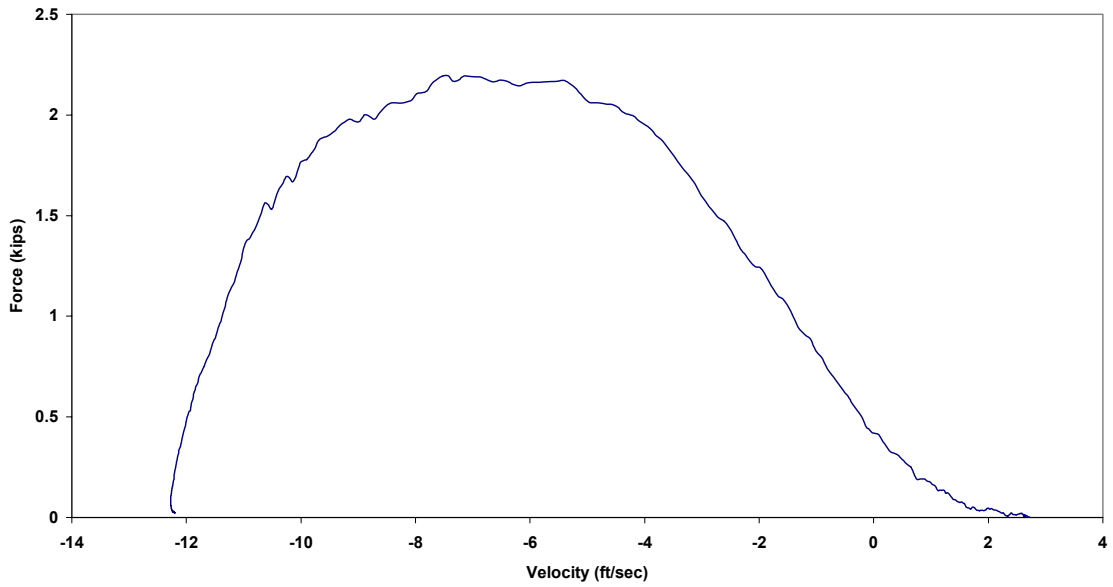


Figure B.127.3 Case 3K: Force vs. Velocity

Case 3K: New 1/2 in. Tech 12 (65 lb from 78 in.)

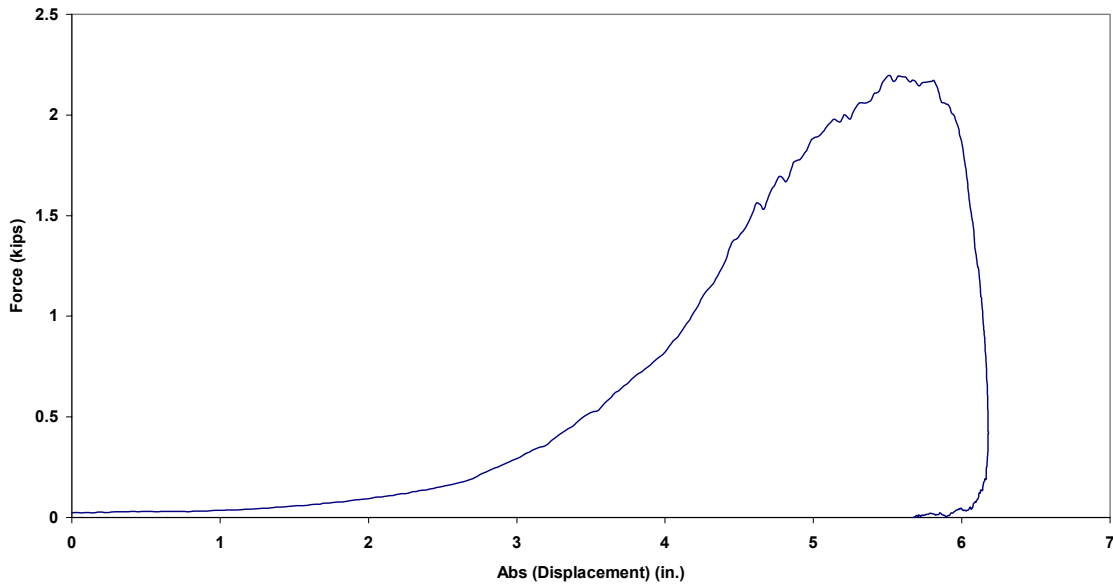


Figure B.127.4 Case 3K: Force vs. Absolute Displacement



Case 4K: New 1/2 in. Tech 12 (65 lb from 90 in.)

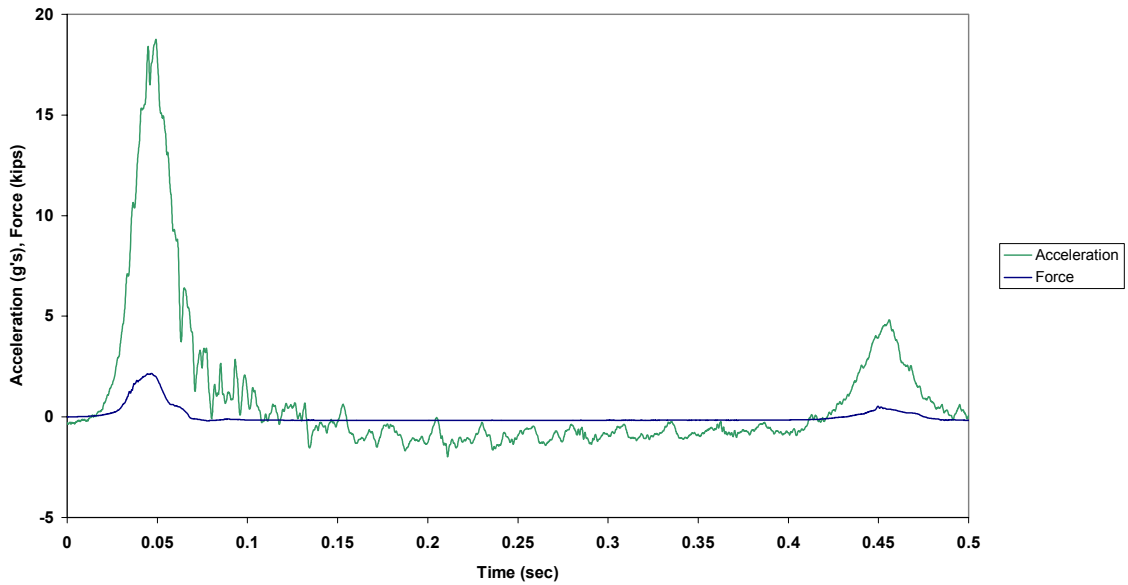


Figure B.128.1 Case 4K: Force and Acceleration vs. Time

Case 4K: New 1/2 in. Tech 12 (65 lb from 90 in.)

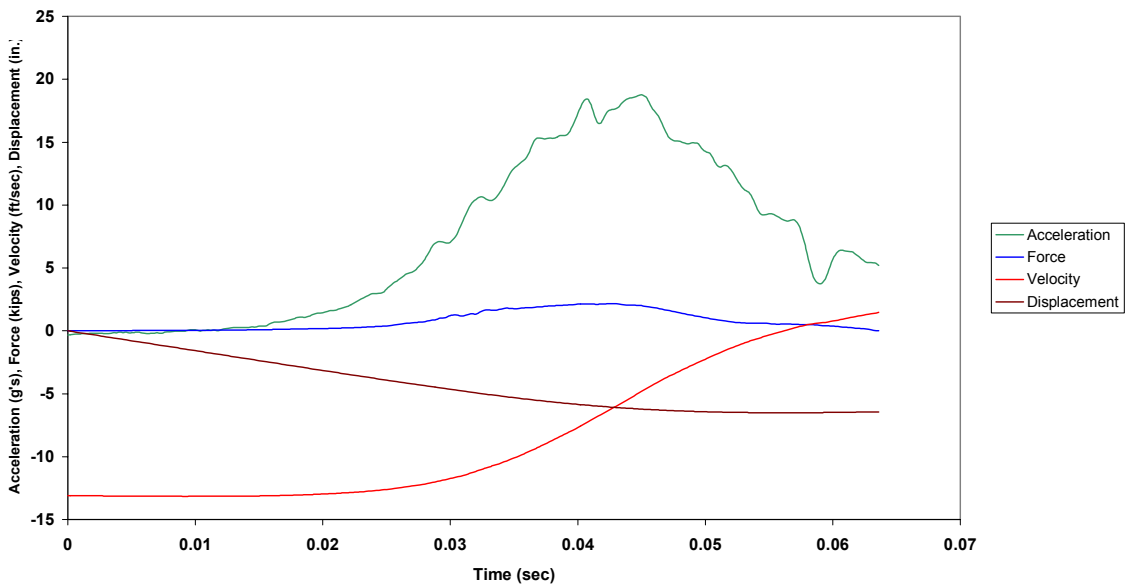


Figure B.128.2 Case 4K: Combined Plot

Case 4K: New 1/2 in. Tech 12 (65 lb from 90 in.)

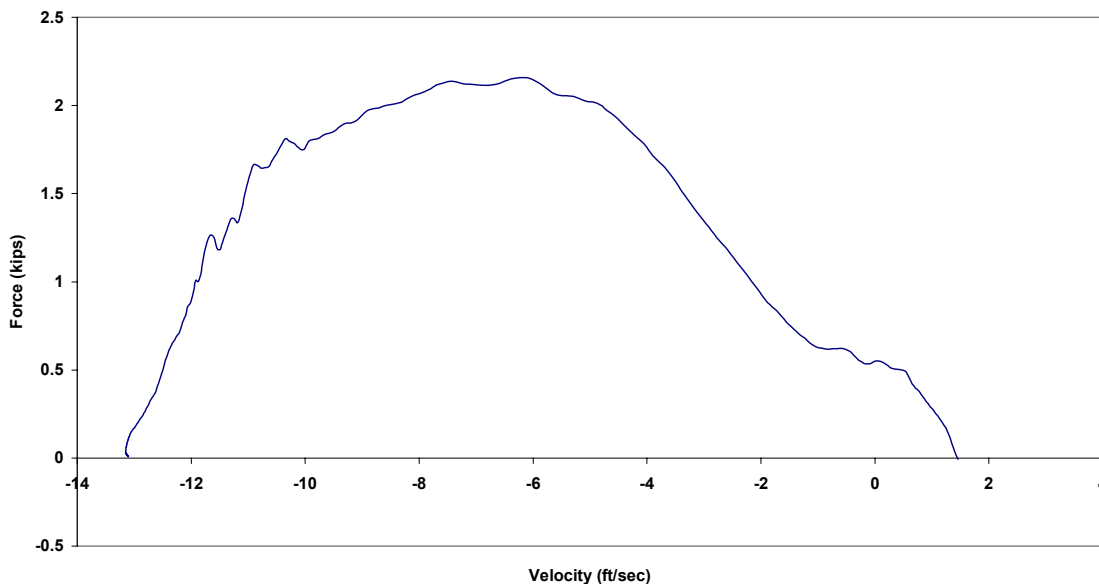


Figure B.128.3 Case 4K: Force vs. Velocity

Case 4K: New 1/2 in. Tech 12 (65 lb from 90 in.)

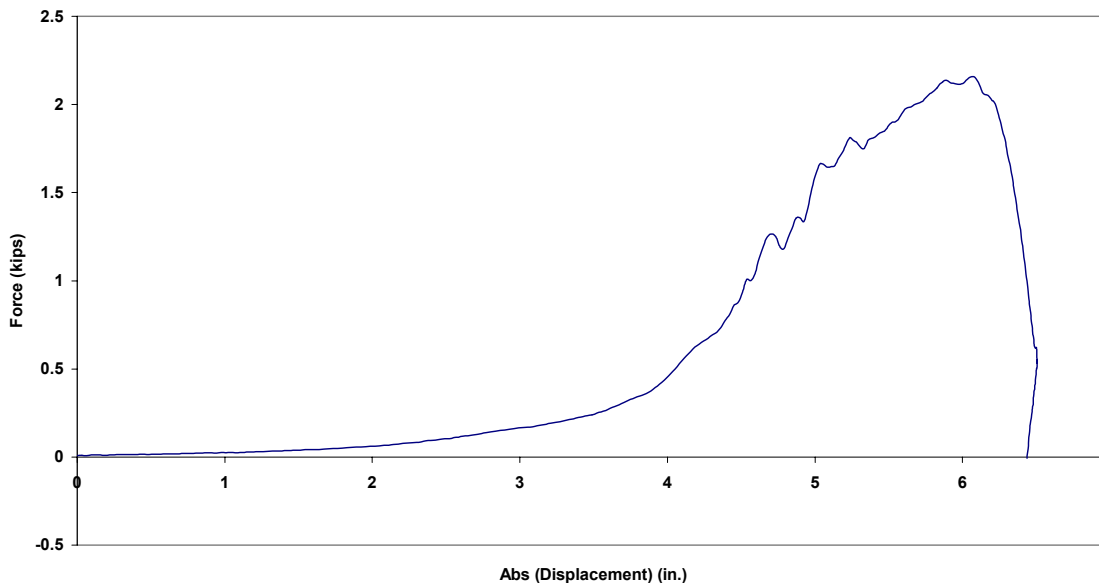


Figure B.128.4 Case 4K: Force vs. Absolute Displacement

Case 5K: New 1/2 in. Tech 12 (65 lb from 96 in.)

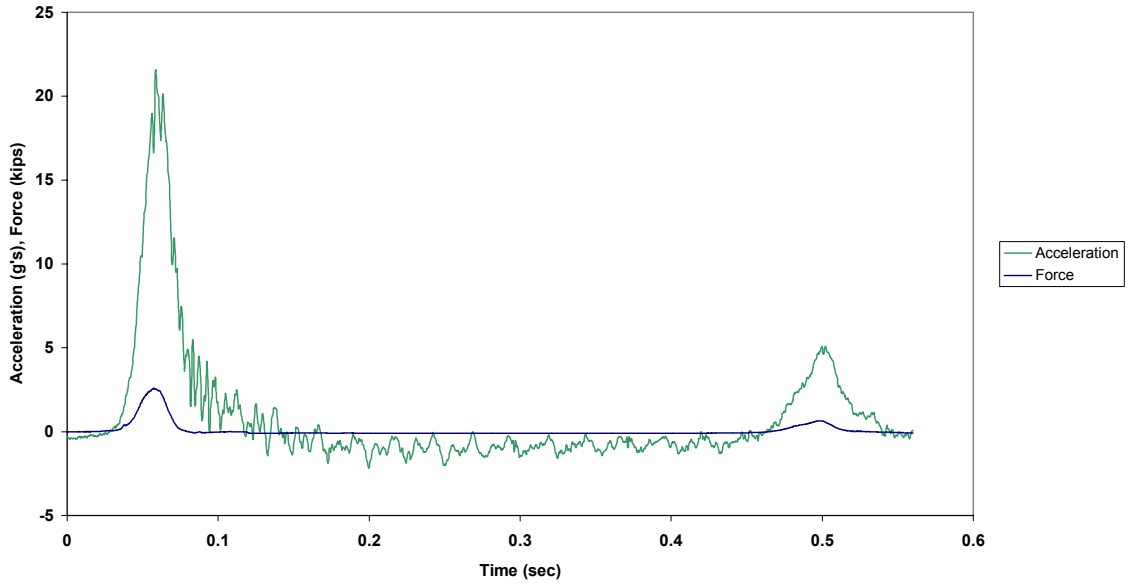


Figure B.129.1 Case 5K: Force and Acceleration vs. Time

Case 5K: New 1/2 in. Tech 12 (65 lb from 96 in.)

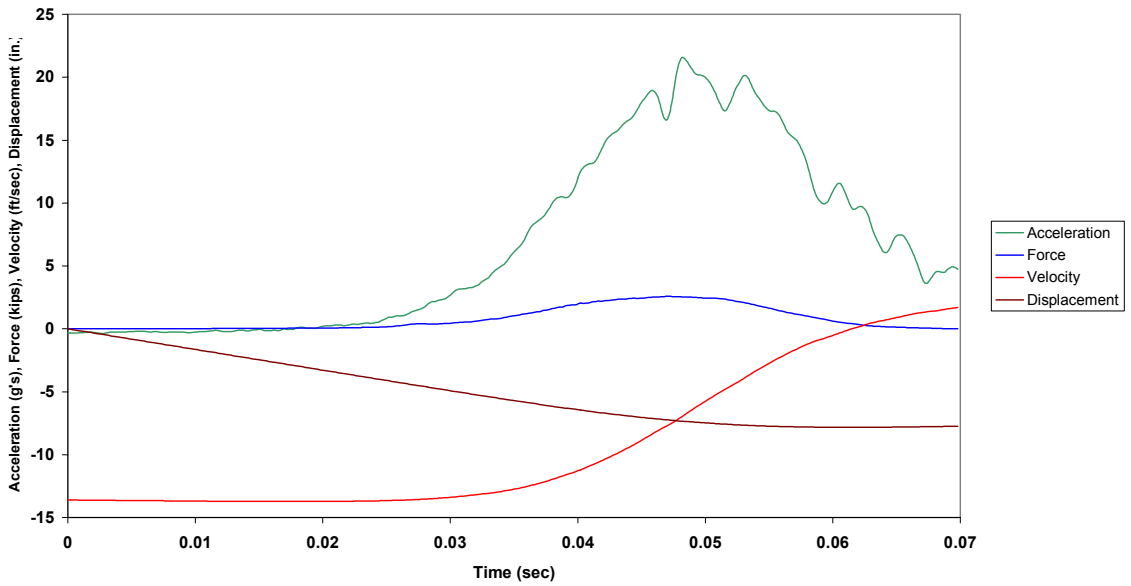


Figure B.129.2 Case 5K: Combined Plot

Case 5K: New 1/2 in. Tech 12 (65 lb from 96 in.)

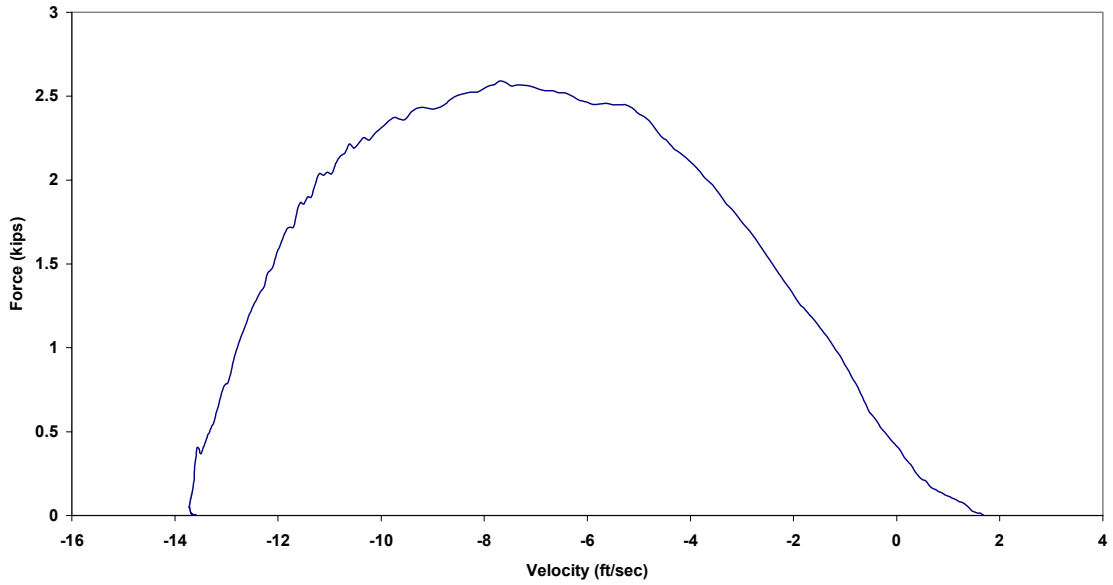


Figure B.129.3 Case 5K: Force vs. Velocity

Case 5K: New 1/2 in. Tech 12 (65 lb from 96 in.)

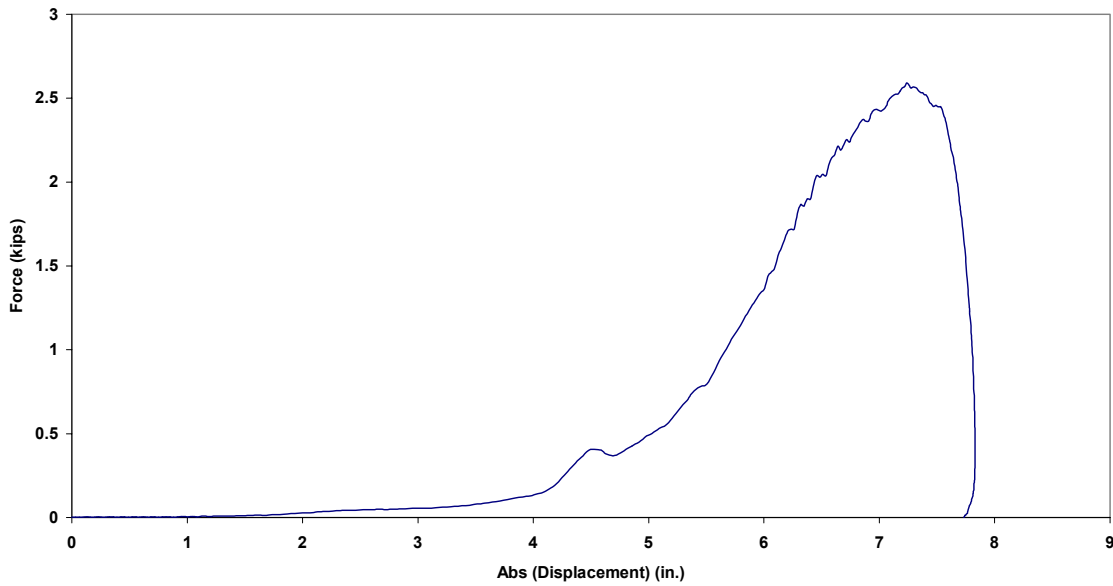


Figure B.129.4 Case 5K: Force vs. Absolute Displacement

Case 6K: New 1/2 in. Tech 12 (85 lb from 58 in.)

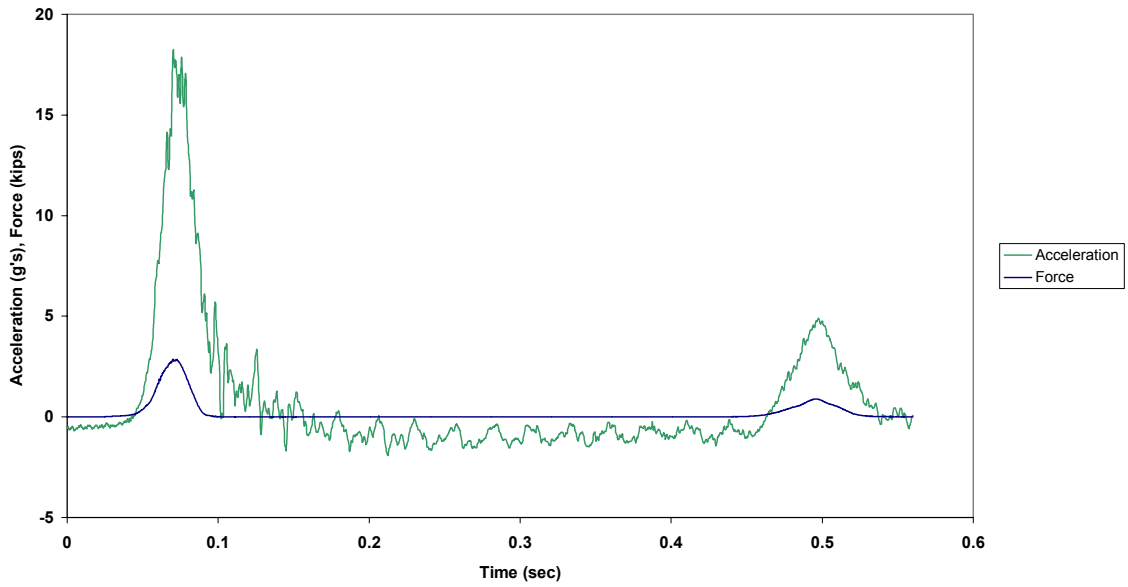


Figure B.130.1 Case 6K: Force and Acceleration vs. Time

Case 6K: New 1/2 in. Tech 12 (85 lb from 58 in.)

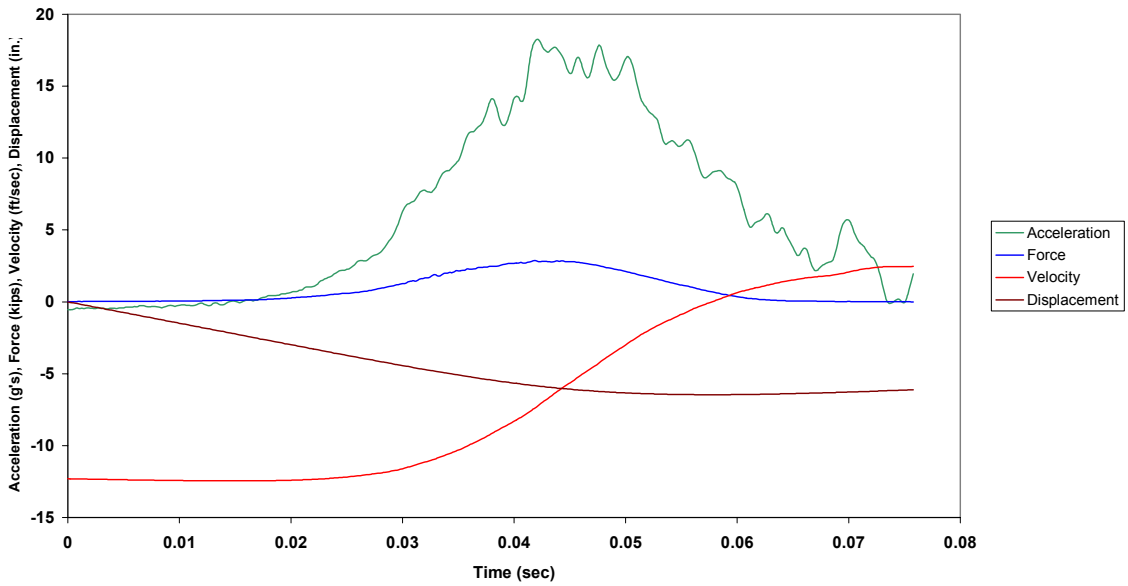


Figure B.130.2 Case 6K: Combined Plot

Case 6K: New 1/2 in. Tech 12 (85 lb from 58 in.)

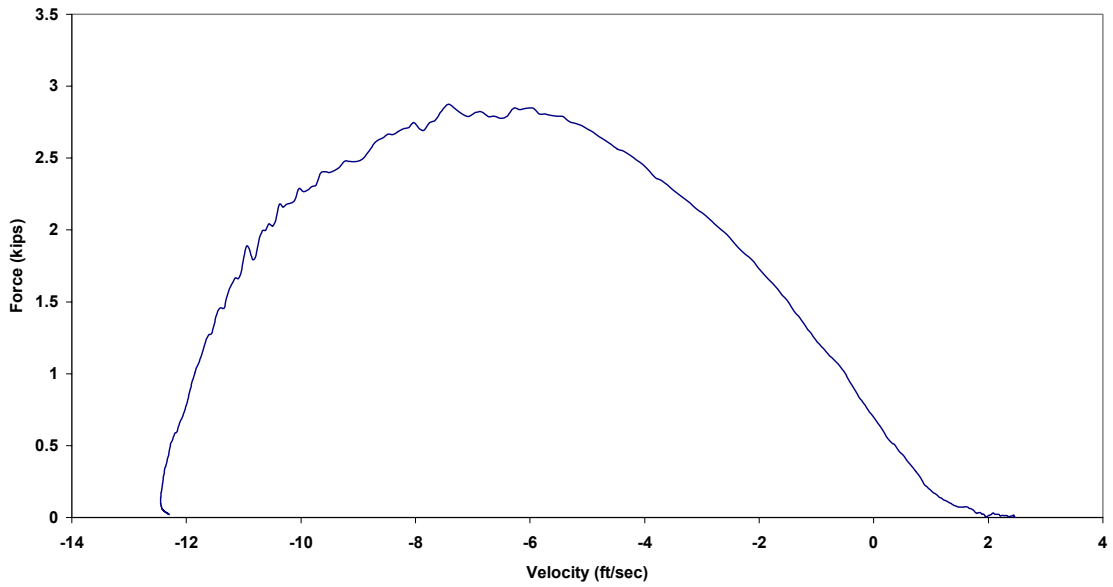


Figure B.130.3 Case 6K: Force vs. Velocity

Case 6K: New 1/2 in. Tech 12 (85 lb from 58 in.)

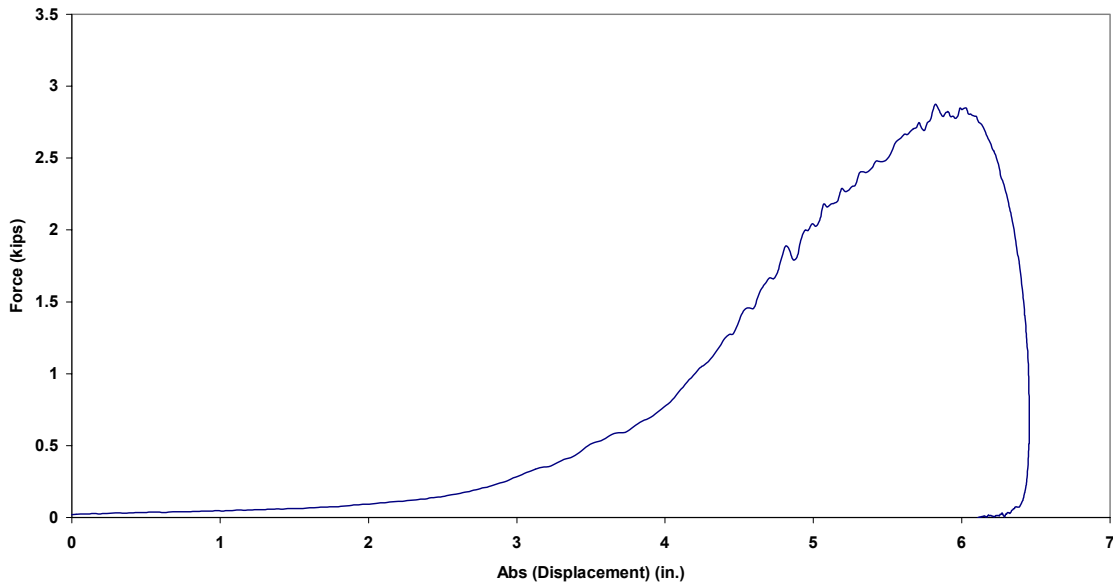


Figure B.130.4 Case 6K: Force vs. Absolute Displacement

Case 7K: New 1/2 in. Tech 12 (85 lb from 70 in.)

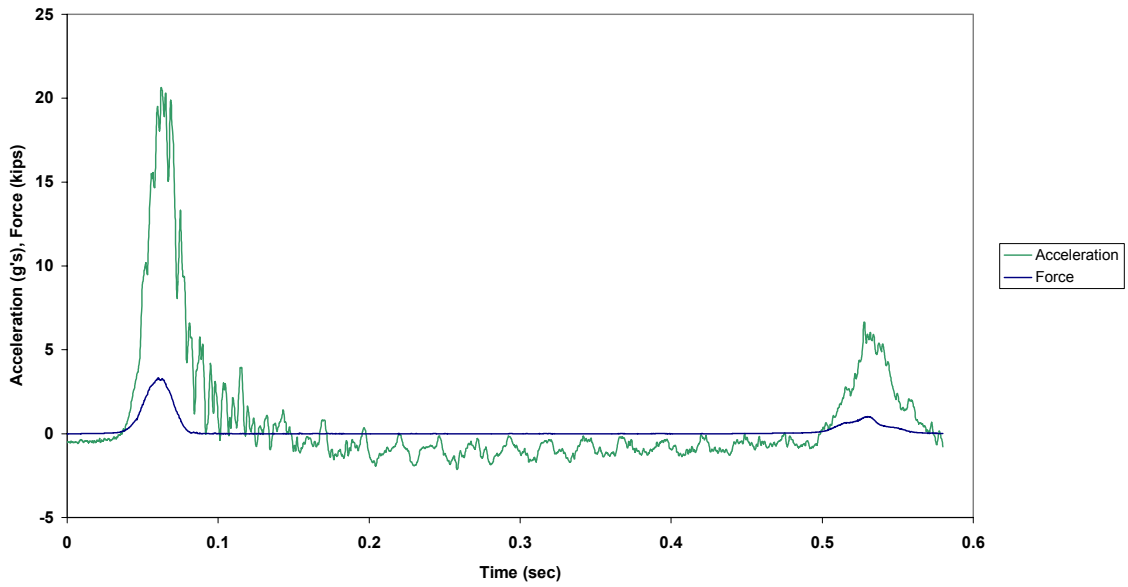


Figure B.131.1 Case 7K: Force and Acceleration vs. Time

Case 7K: New 1/2 in. Tech 12 (85 lb from 70 in.)

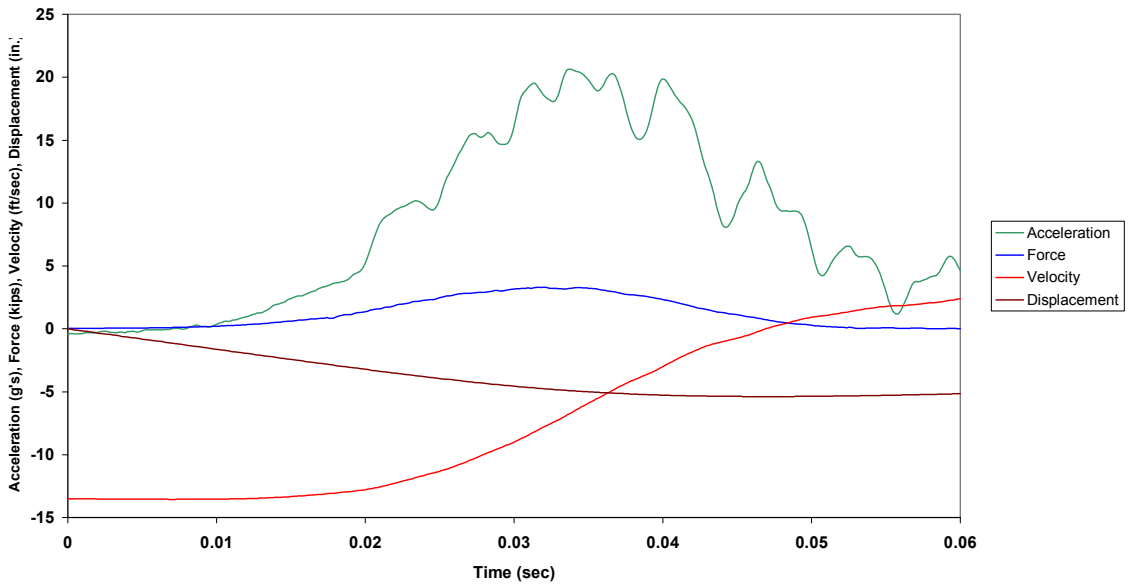


Figure B.131.2 Case 7K: Combined Plot

Case 7K: New 1/2 in. Tech 12 (85 lb from 70 in.)

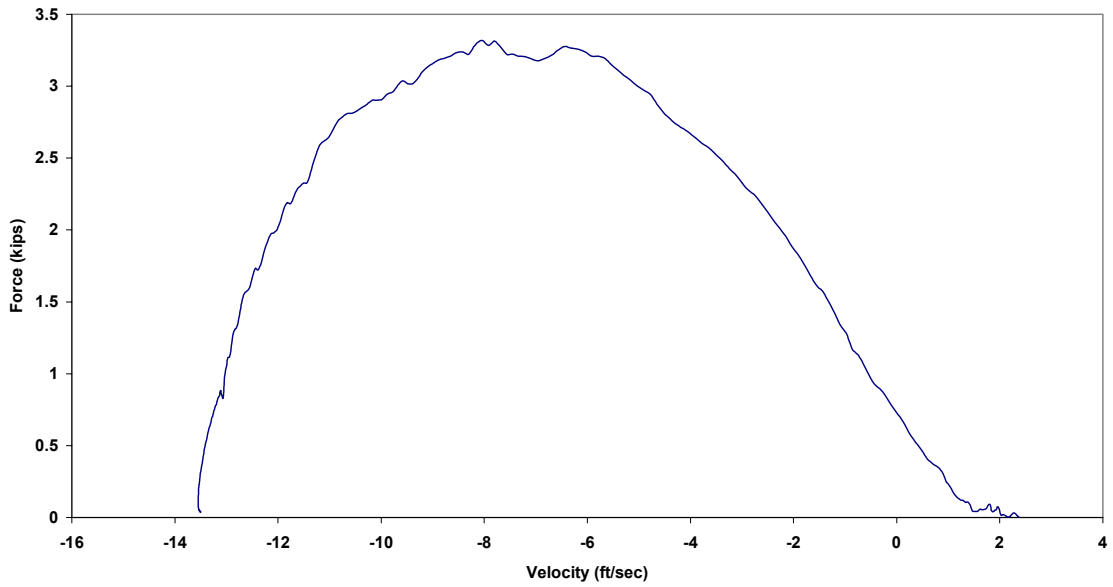


Figure B.131.3 Case 7K: Force vs. Velocity

Case 7K: New 1/2 in. Tech 12 (85 lb from 70 in.)

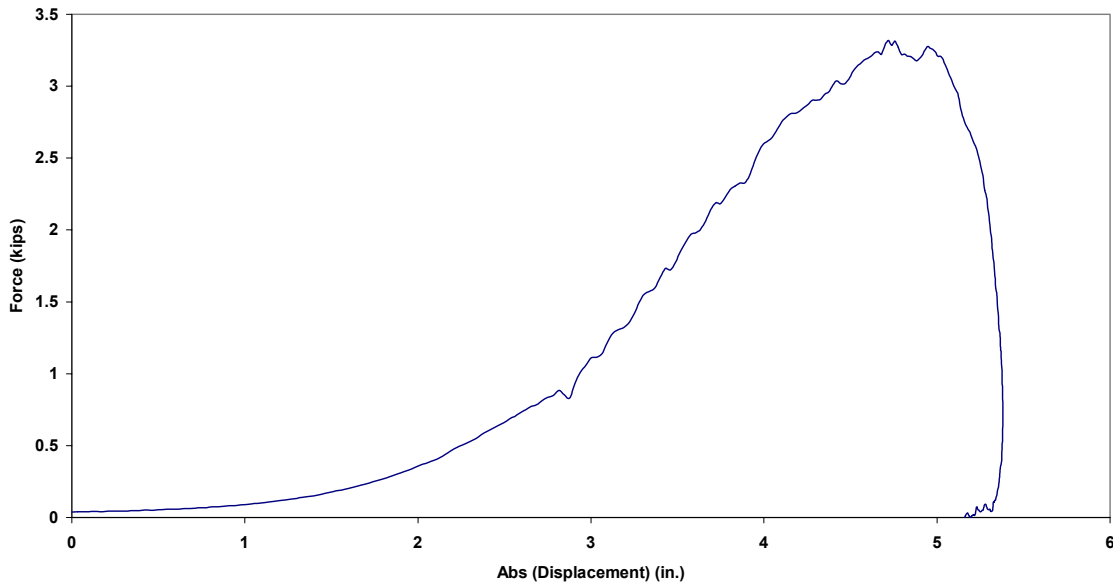


Figure B.131.4 Case 7K: Force vs. Absolute Displacement



Case 8K: New 1/2 in. Tech 12 (85 lb from 82 in.)

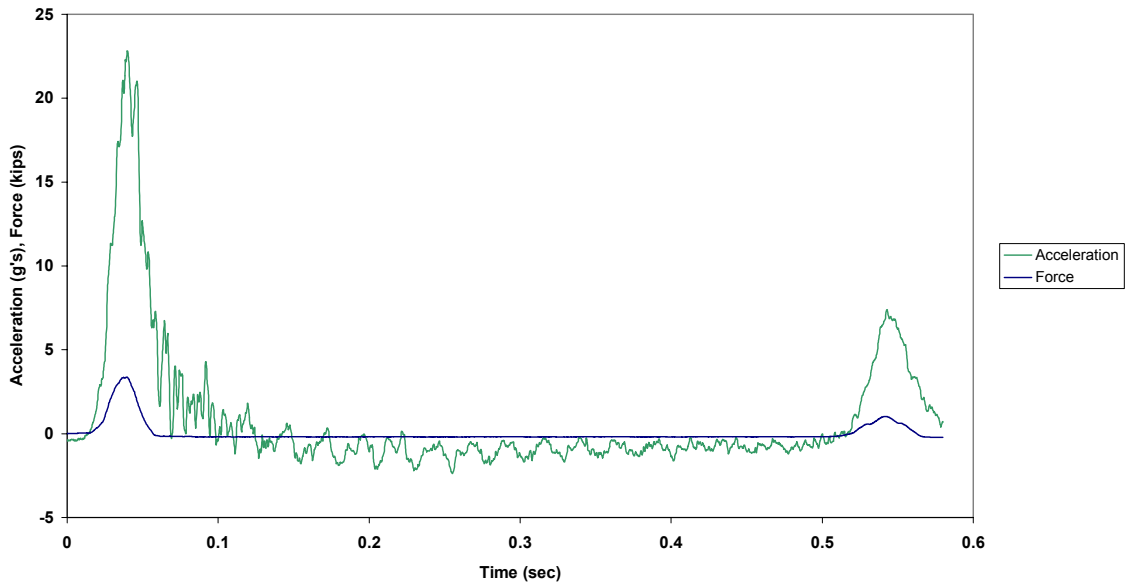


Figure B.132.1 Case 8K: Force and Acceleration vs. Time

Case 8K: New 1/2 in. Tech 12 (85 lb from 82 in.)

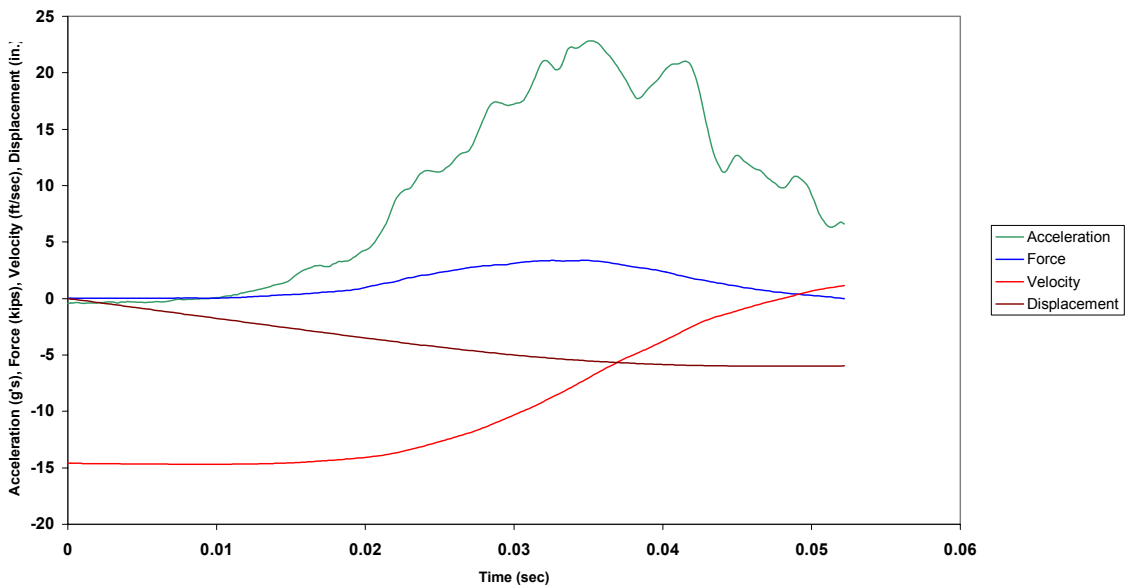


Figure B.132.2 Case 8K: Combined Plot

Case 8K: New 1/2 in. Tech 12 (85 lb from 82 in.)

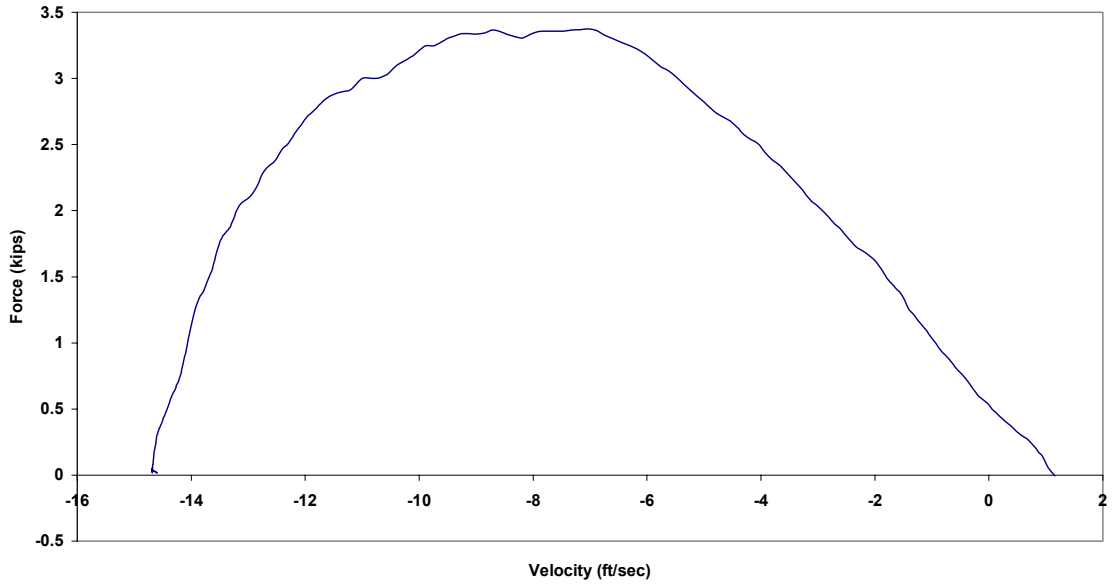


Figure B.132.3 Case 8K: Force vs. Velocity

Case 8K: New 1/2 in. Tech 12 (85 lb from 82 in.)

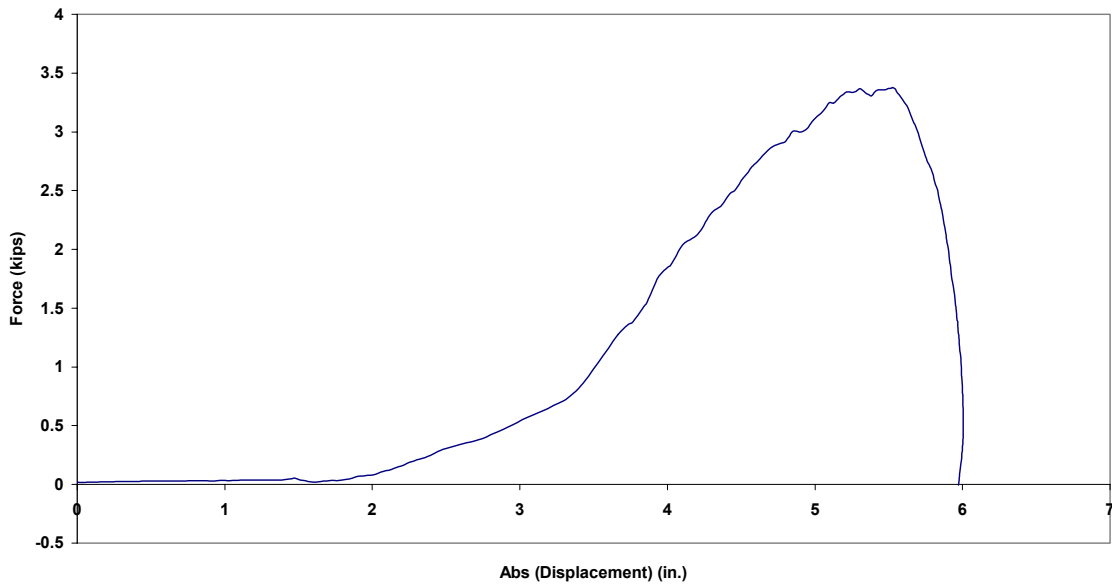


Figure B.132.4 Case 8K: Force vs. Absolute Displacement

Case 9K: New 1/2 in. Tech 12 (85 lb from 94 in.)

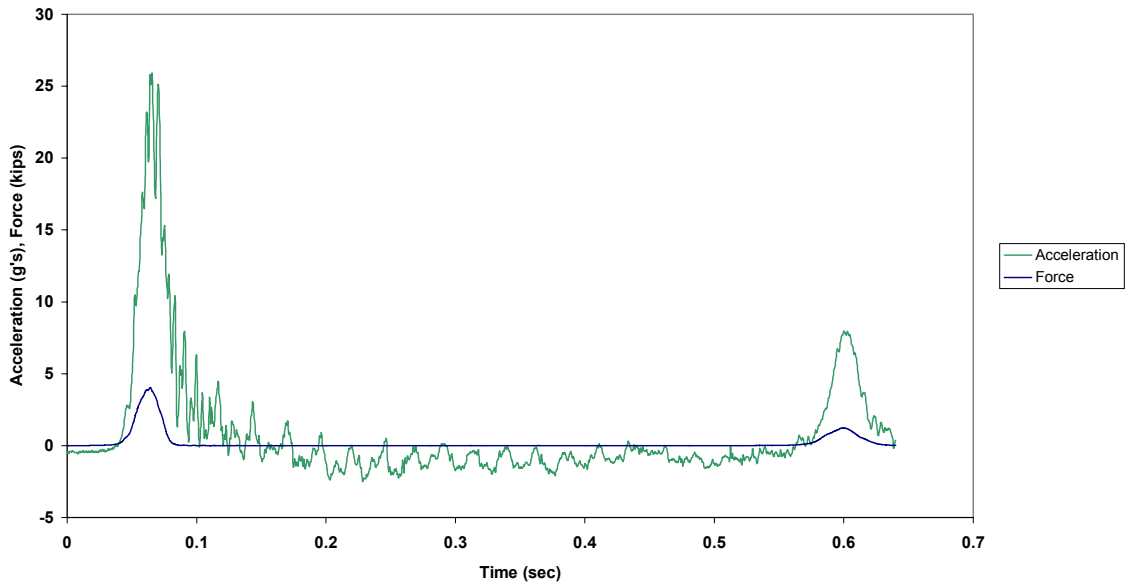


Figure B.133.1 Case 9K: Force and Acceleration vs. Time

Case 9K: New 1/2 in. Tech 12 (85 lb from 94 in.)

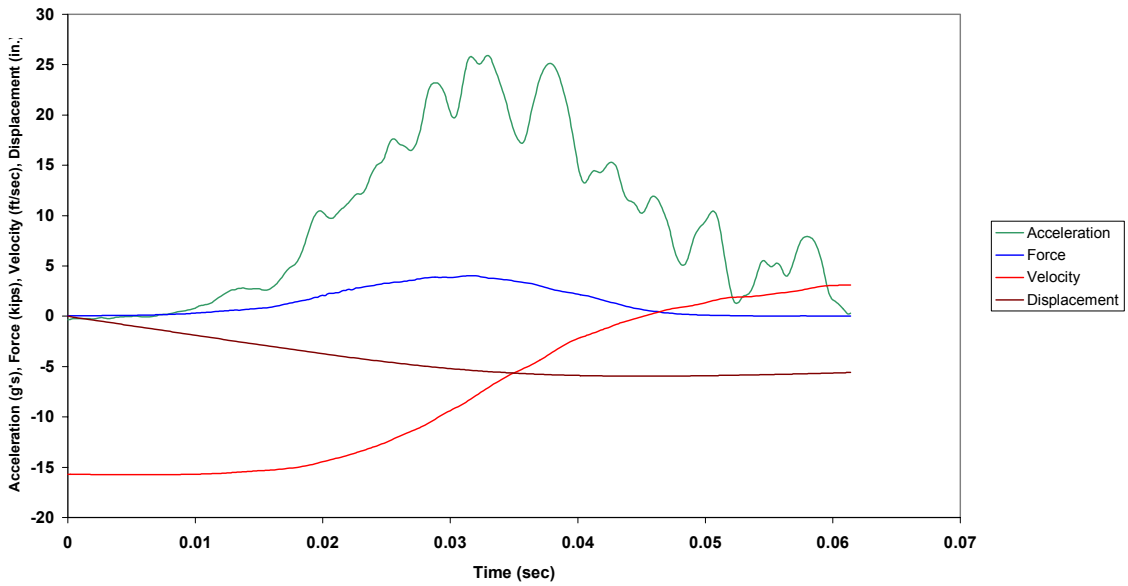


Figure B.133.2 Case 9K: Combined Plot

Case 9K: New 1/2 in. Tech 12 (85 lb from 94 in.)

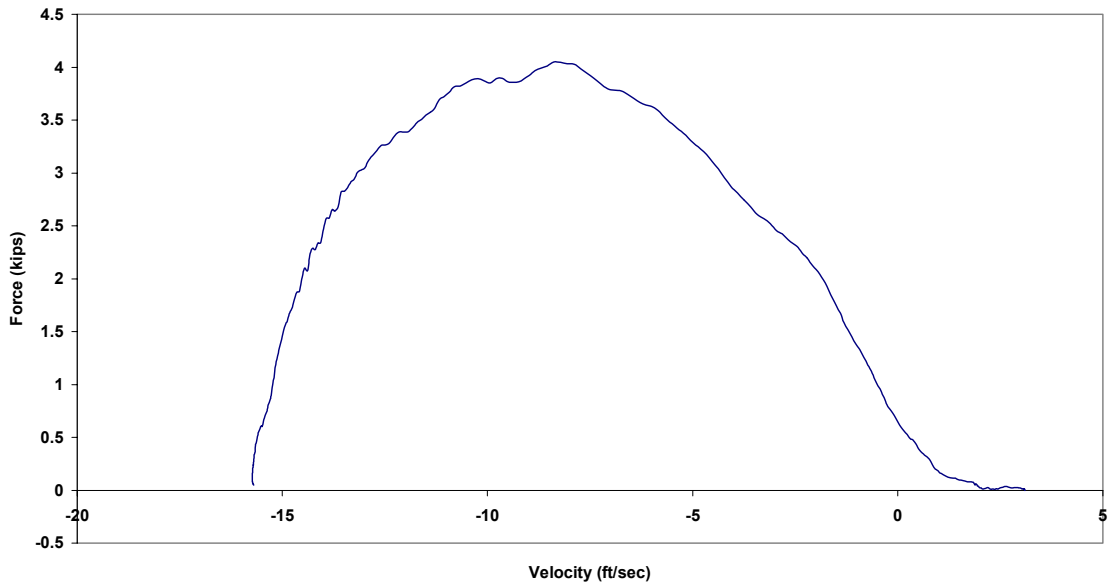


Figure B.133.3 Case 9K: Force vs. Velocity

Case 9K: New 1/2 in. Tech 12 (85 lb from 94 in.)

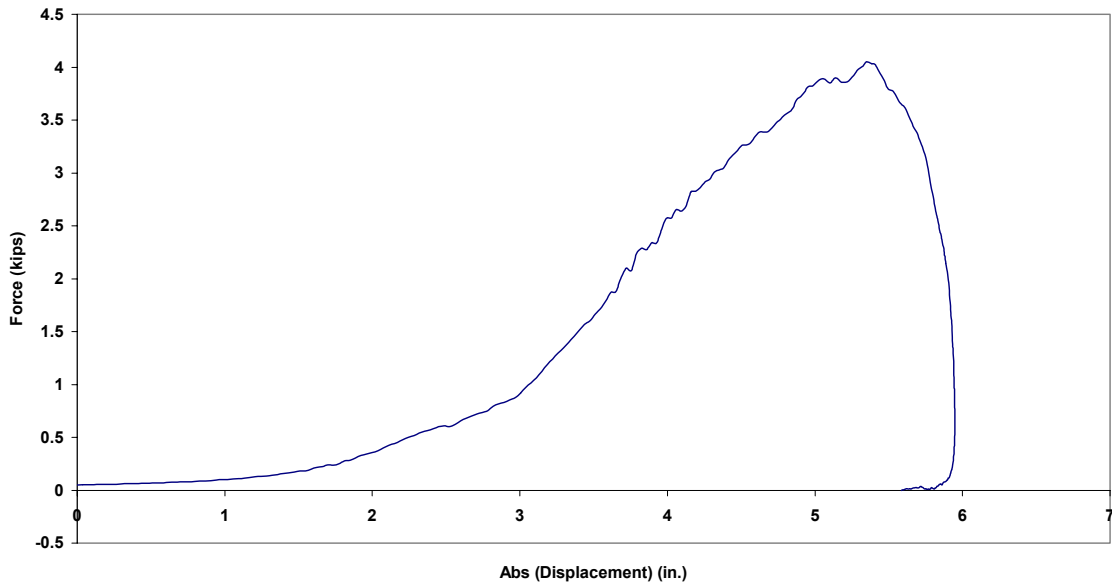


Figure B.133.4 Case 9K: Force vs. Absolute Displacement

Case 10K: New 1/2 in. Tech 12 (105 lb from 58 in.)

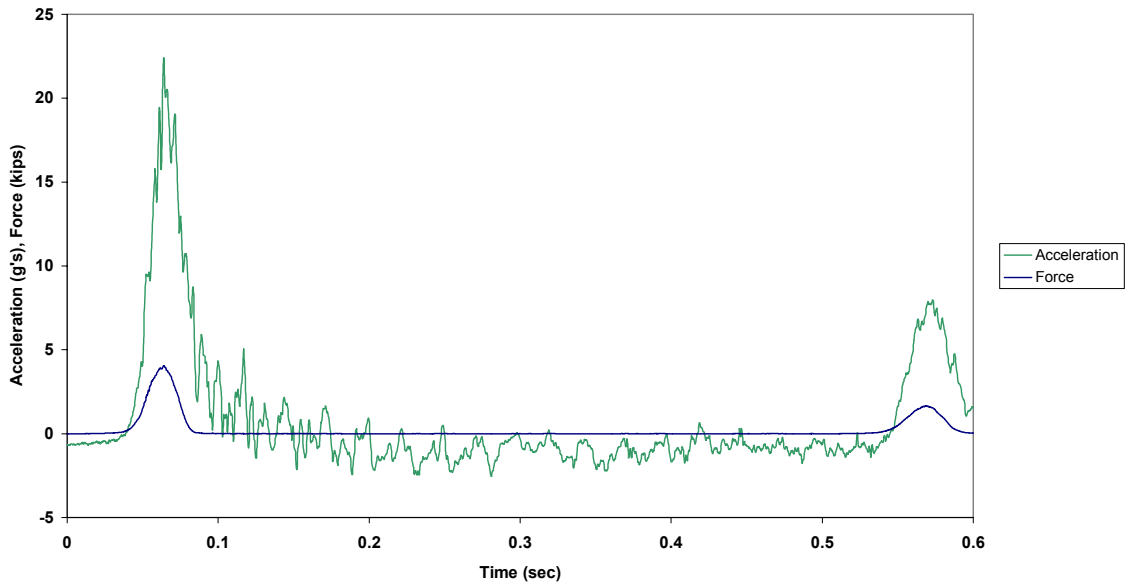


Figure B.134.1 Case 10K: Force and Acceleration vs. Time

Case 10K: New 1/2 in. Tech 12 (105 lb from 58 in.)

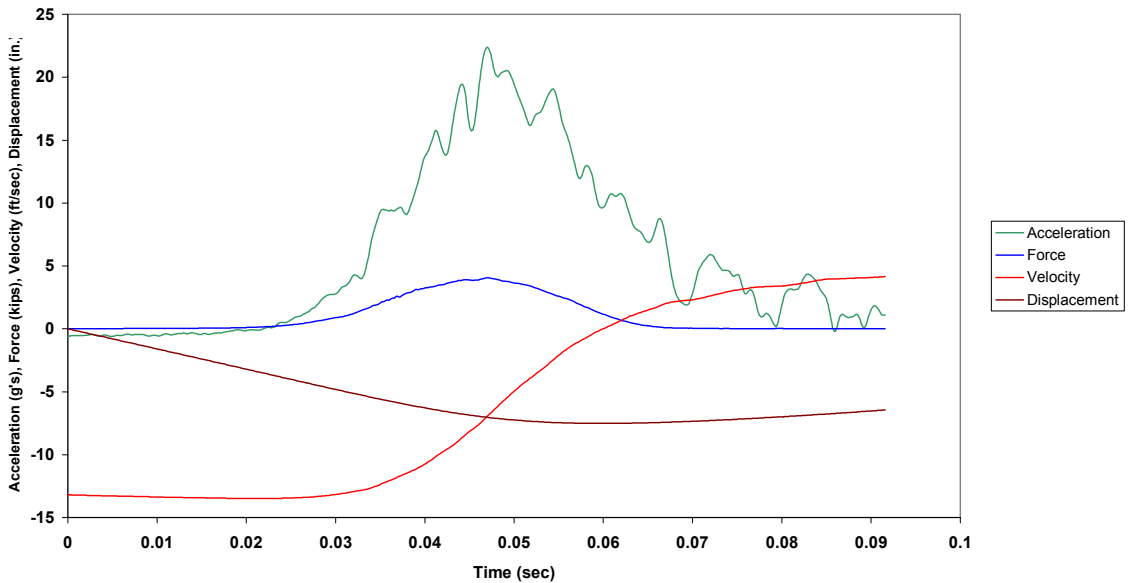


Figure B.134.2 Case 10K: Combined Plot

Case 10K: New 1/2 in. Tech 12 (105 lb from 58 in.)

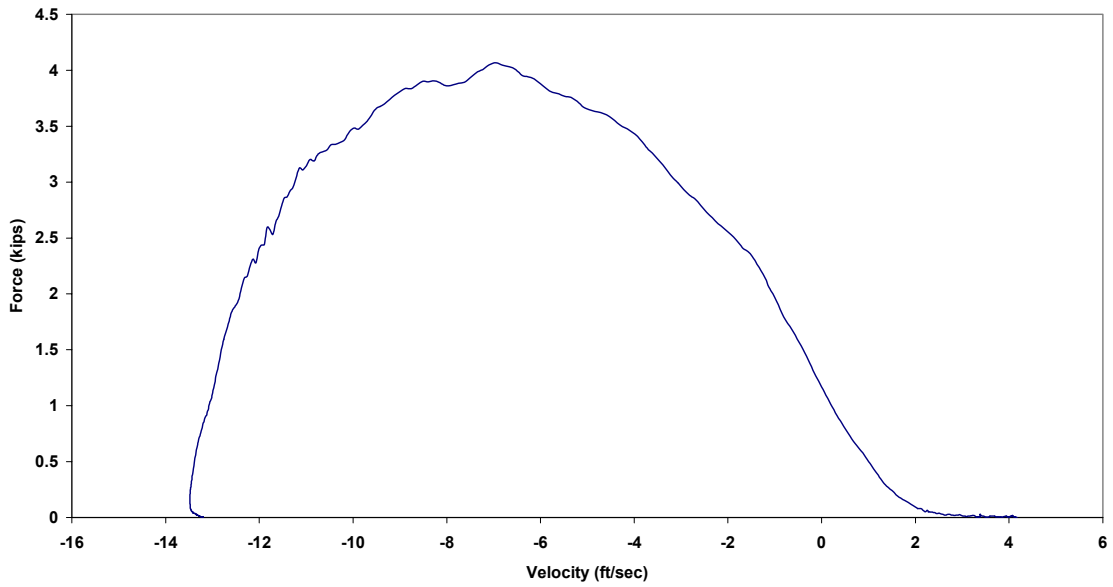


Figure B.134.3 Case 10K: Force vs. Velocity

Case 10K: New 1/2 in. Tech 12 (105 lb from 58 in.)

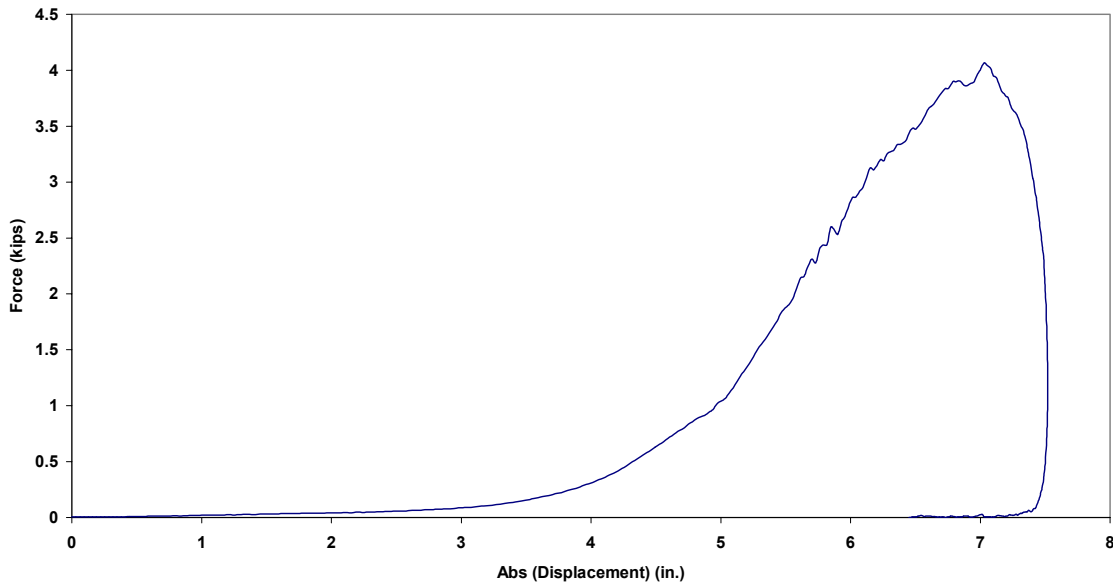


Figure B.134.4 Case 10K: Force vs. Absolute Displacement

Case 11K: New 1/2 in. Tech 12 (105 lb from 58 in.)

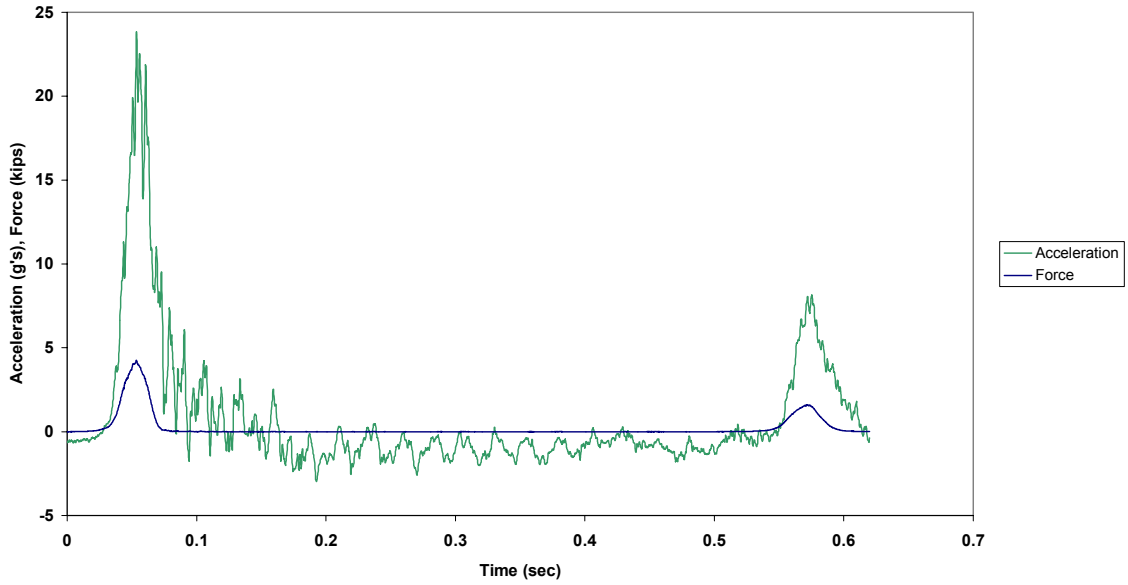


Figure B.135.1 Case 11K: Force and Acceleration vs. Time

Case 11K: New 1/2 in. Tech 12 (105 lb from 58 in.)

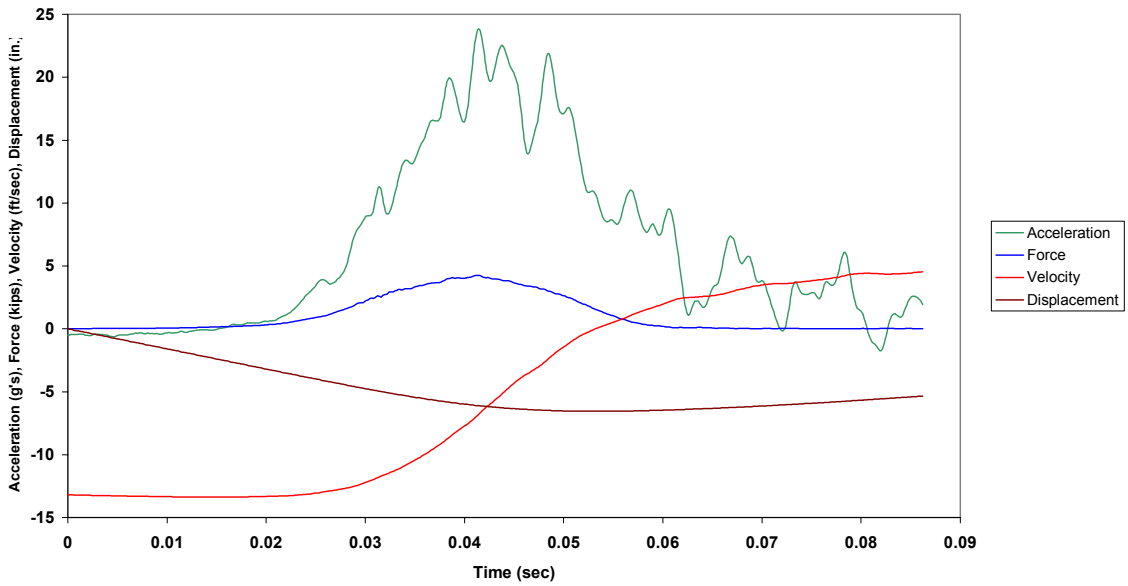


Figure B.135.2 Case 11K: Combined Plot

Case 11K: New 1/2 in. Tech 12 (105 lb from 58 in.)

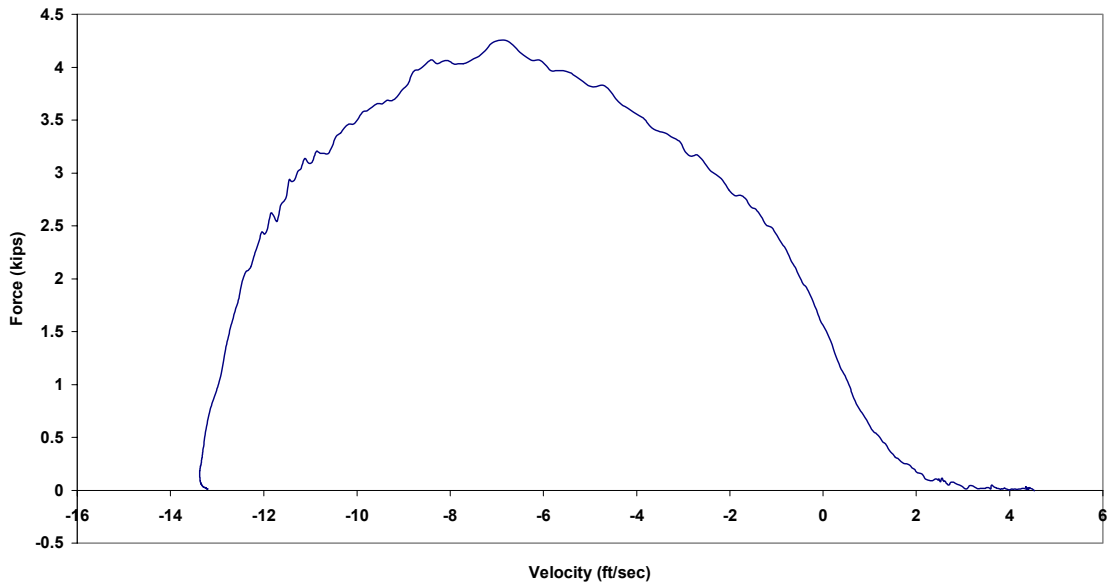


Figure B.135.3 Case 11K: Force vs. Velocity

Case 11K: New 1/2 in. Tech 12 (105 lb from 58 in.)

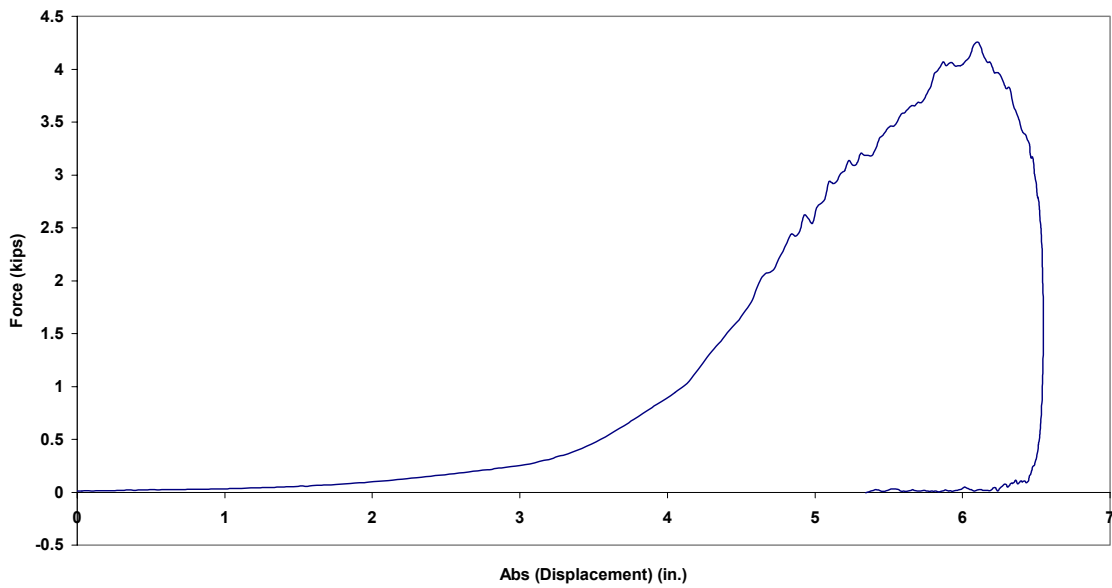


Figure B.135.4 Case 11K: Force vs. Absolute Displacement



Case 12K: New 1/2 in. Tech 12 (105 lb from 58 in.)

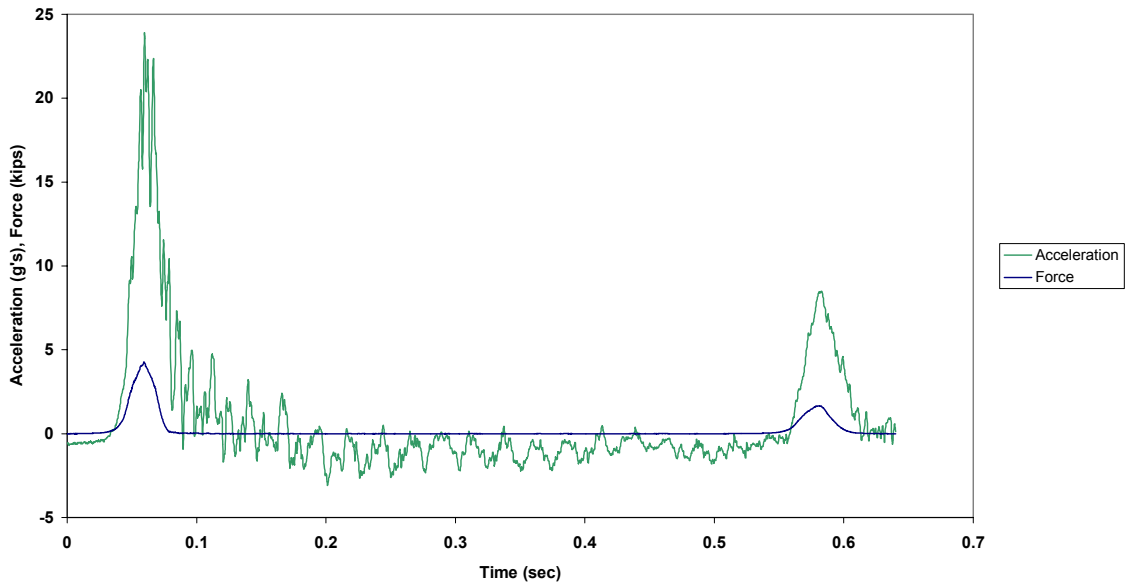


Figure B.136.1 Case 12K: Force and Acceleration vs. Time

Case 12K: New 1/2 in. Tech 12 (105 lb from 58 in.)

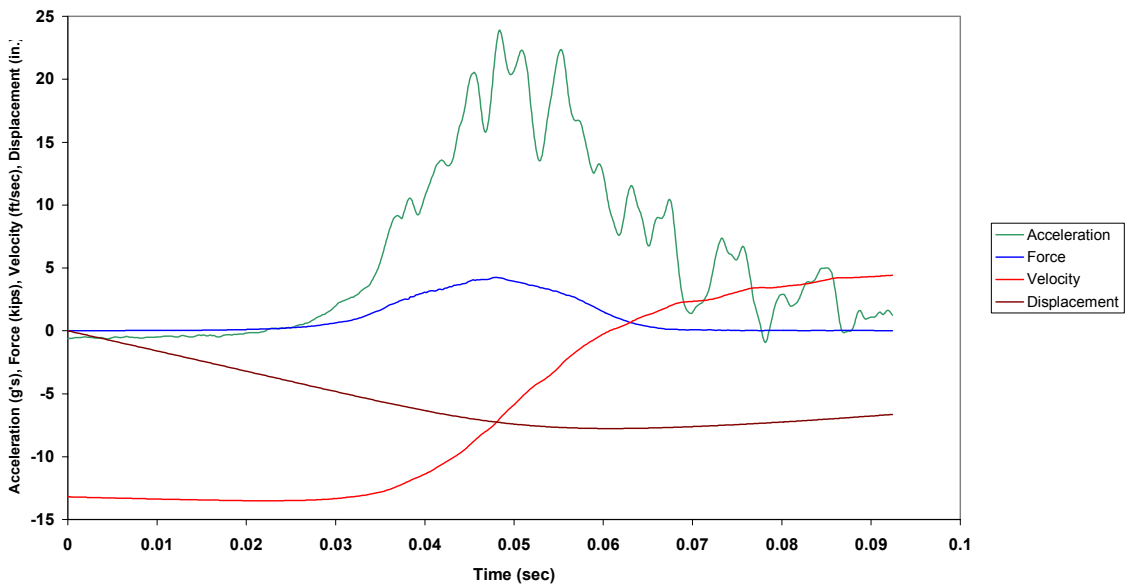


Figure B.136.2 Case 12K: Combined Plot

Case 12K: New 1/2 in. Tech 12 (105 lb from 58 in.)

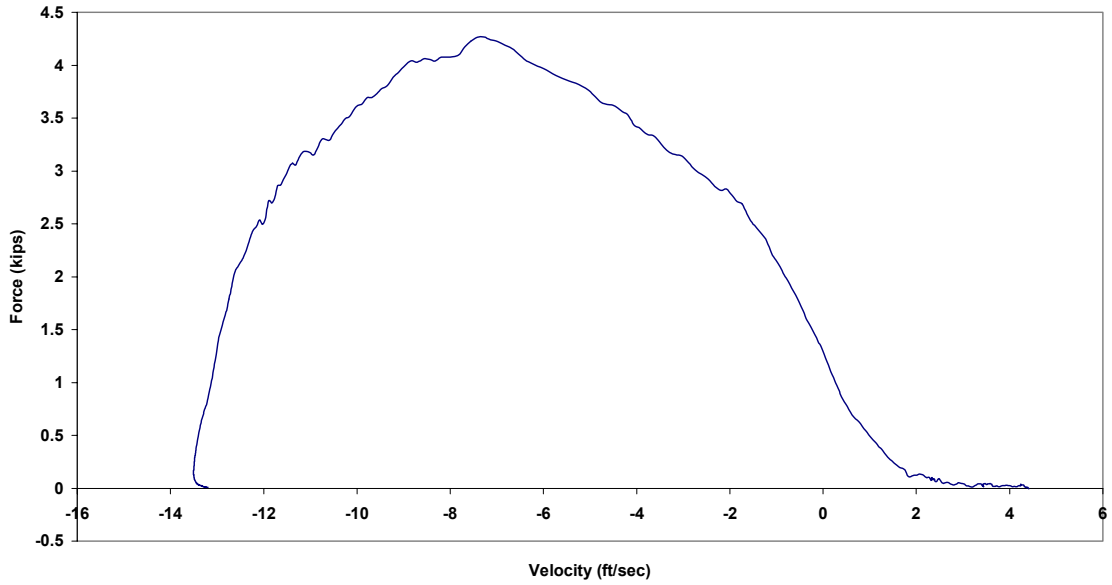


Figure B.136.3 Case 12K: Force vs. Velocity

Case 12K: New 1/2 in. Tech 12 (105 lb from 58 in.)

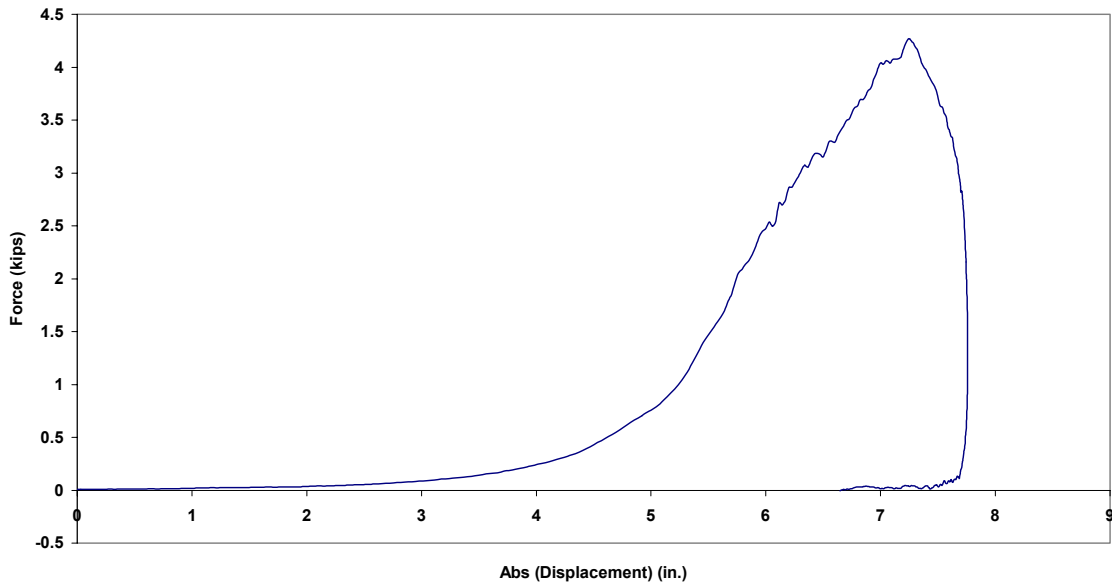


Figure B.136.4 Case 12K: Force vs. Absolute Displacement

Case 13K: New 1/2 in. Tech 12 (45 lb from 54 in.)

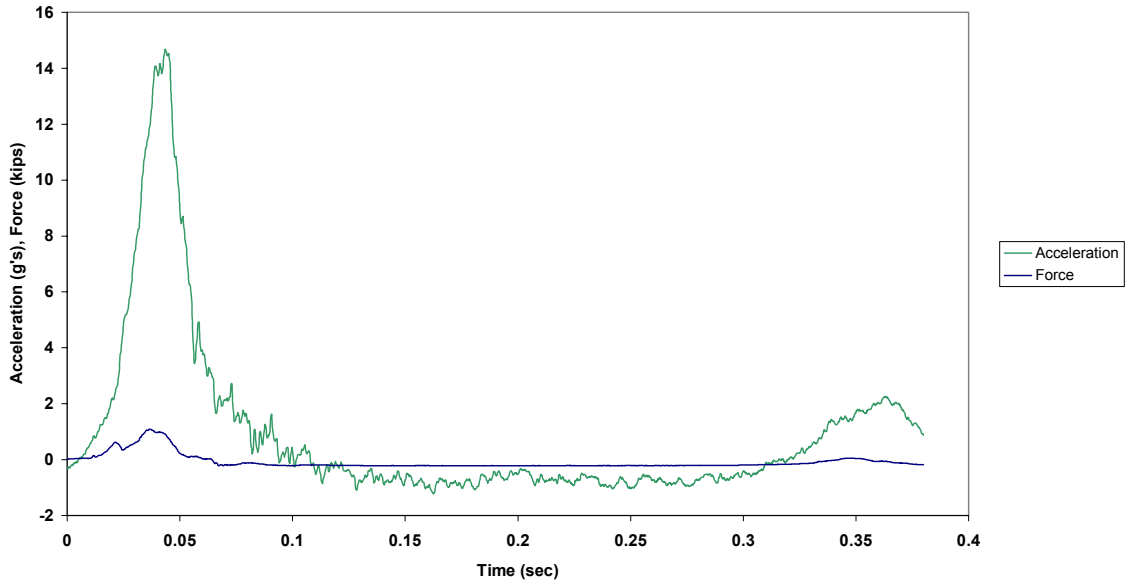


Figure B.137.1 Case 13K: Force and Acceleration vs. Time

Case 13K: New 1/2 in. Tech 12 (45 lb from 54 in.)

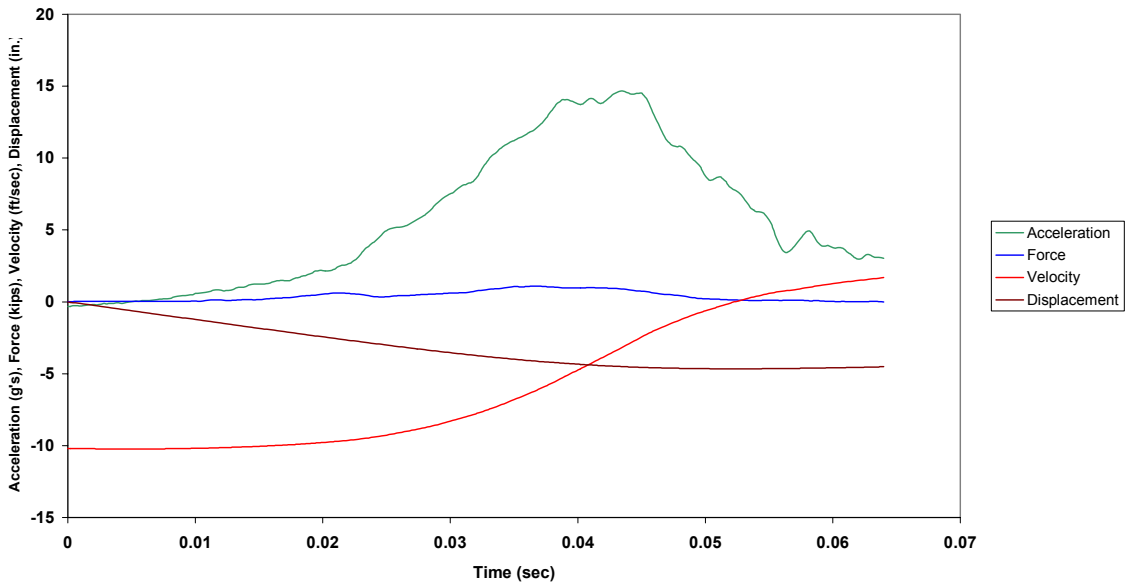


Figure B.137.2 Case 13K: Combined Plot

Case 13K: New 1/2 in. Tech 12 (45 lb from 54 in.)

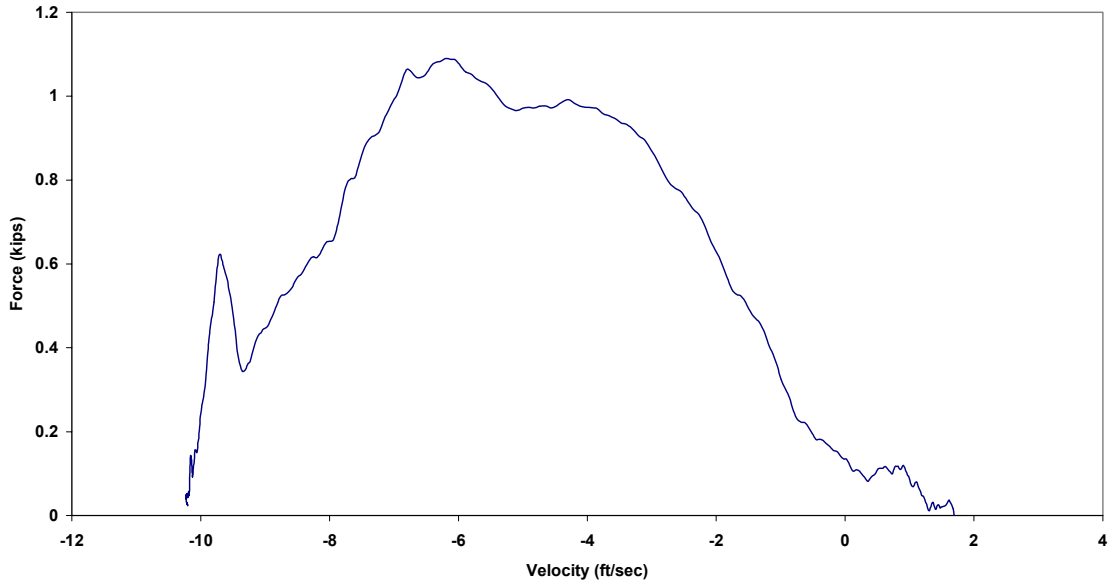


Figure B.137.3 Case 13K: Force vs. Velocity

Case 13K: New 1/2 in. Tech 12 (45 lb from 54 in.)

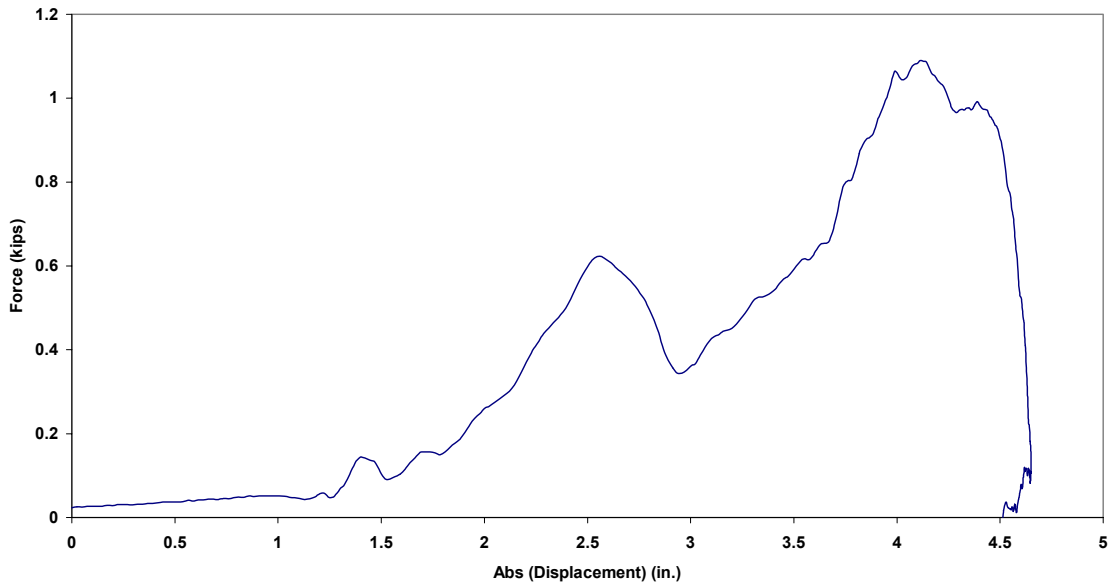


Figure B.137.4 Case 13K: Force vs. Absolute Displacement

Case 14K: New 1/2 in. Tech 12 (65 lb from 54 in.)

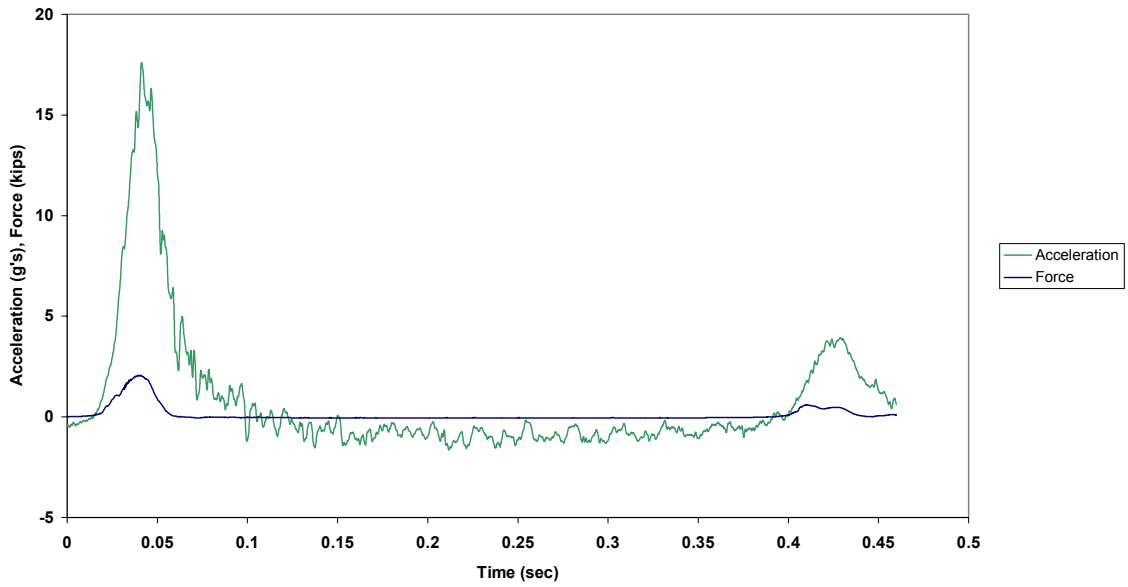


Figure B.138.1 Case 14K: Force and Acceleration vs. Time

Case 14K: New 1/2 in. Tech 12 (65 lb from 54 in.)

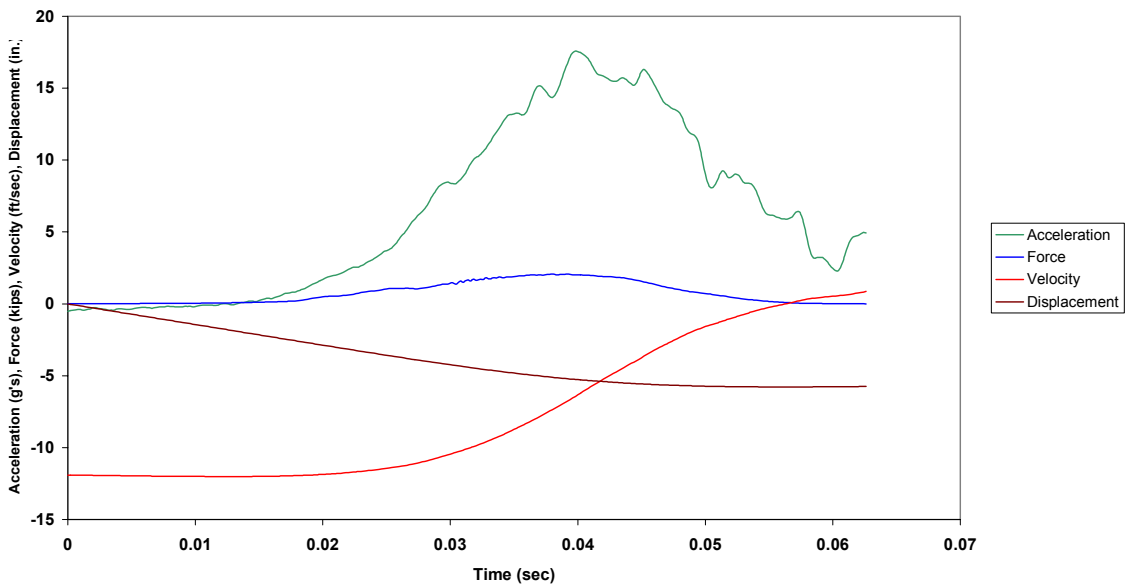


Figure B.138.2 Case 14K: Combined Plot

Case 14K: New 1/2 in. Tech 12 (65 lb from 54 in.)

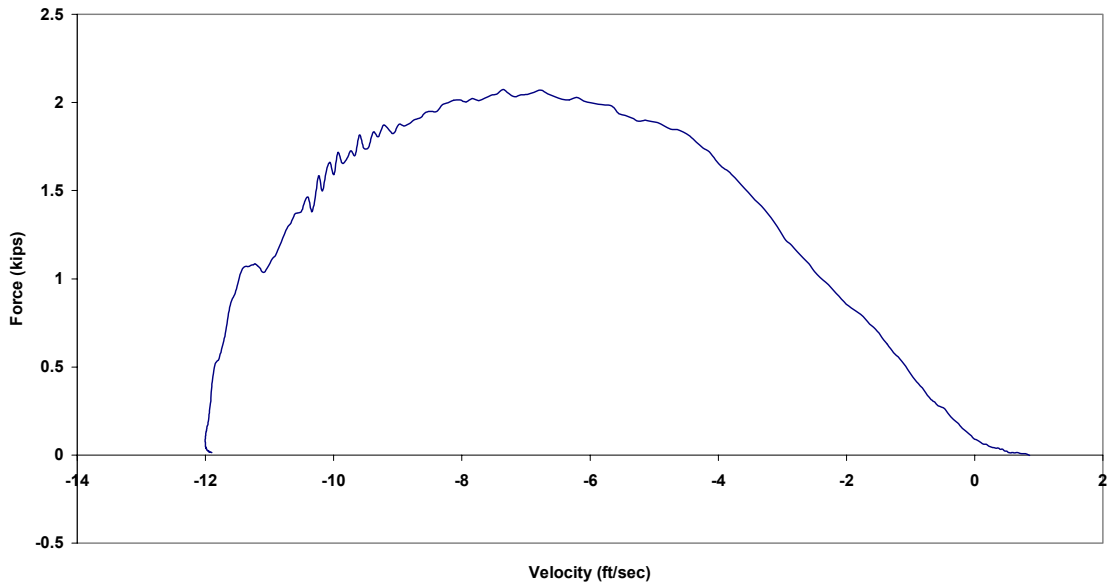


Figure B.138.3 Case 14K: Force vs. Velocity

Case 14K: New 1/2 in. Tech 12 (65 lb from 54 in.)

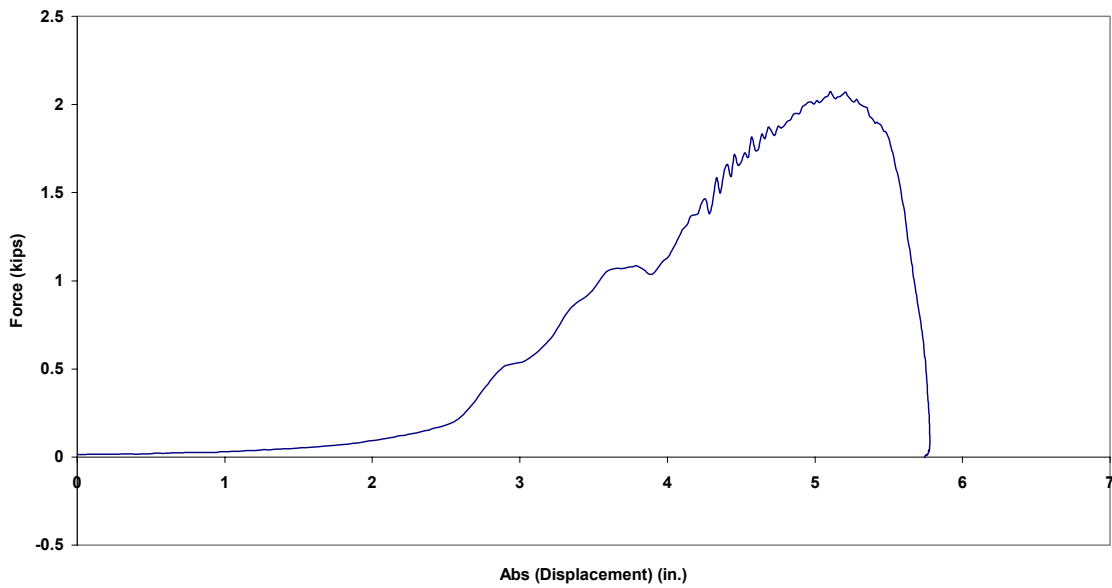


Figure B.138.4 Case 14K: Force vs. Absolute Displacement

Case 15K: New 1/2 in. Tech 12 (85 lb from 54 in.)

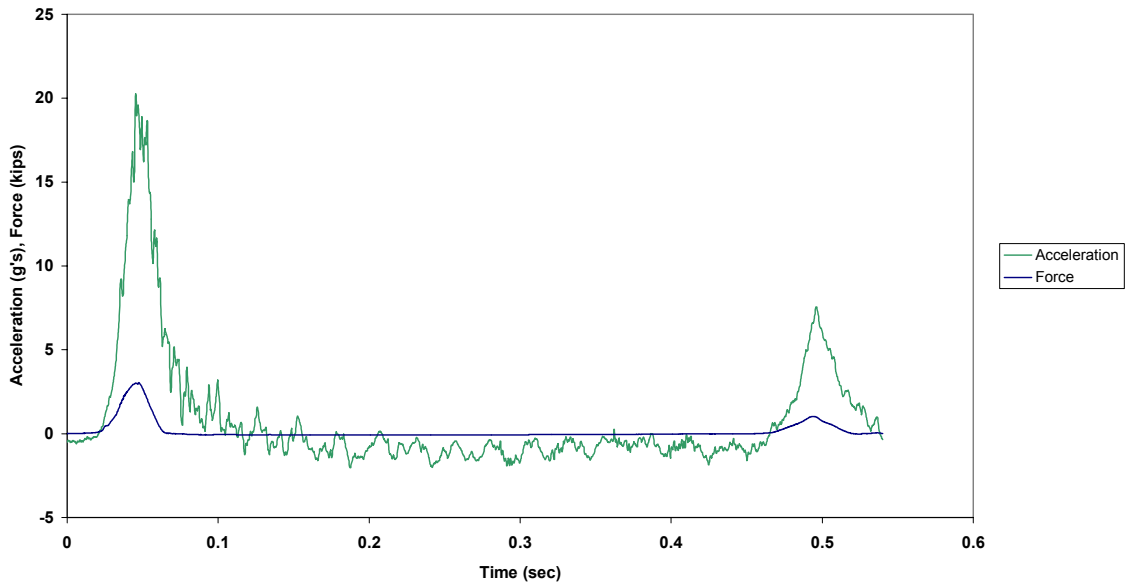


Figure B.139.1 Case 15K: Force and Acceleration vs. Time

Case 15K: New 1/2 in. Tech 12 (85 lb from 54 in.)

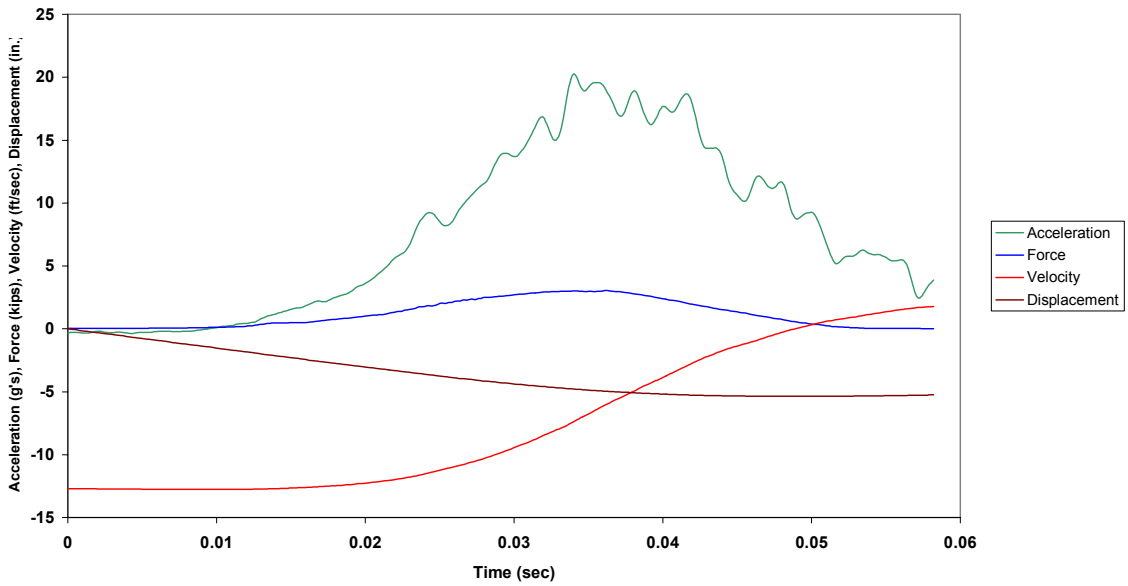


Figure B.139.2 Case 15K: Combined Plot

Case 15K: New 1/2 in. Tech 12 (85 lb from 54 in.)



Figure B.139.3 Case 15K: Force vs. Velocity

Case 15K: New 1/2 in. Tech 12 (85 lb from 54 in.)

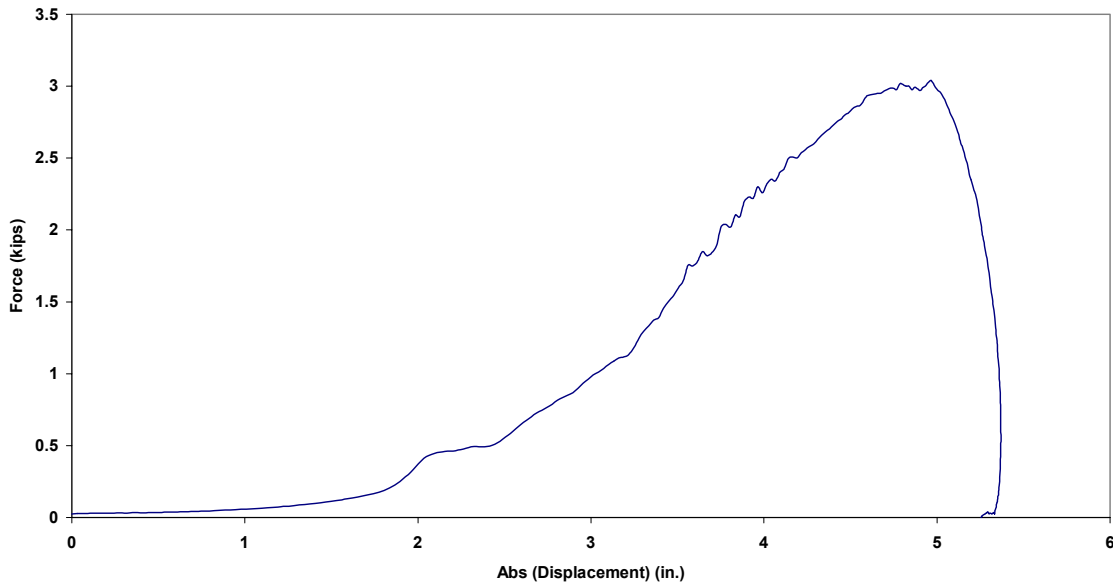


Figure B.139.4 Case 15K: Force vs. Absolute Displacement



Case 16K: New 1/2 in. Tech 12 (105 lb from 54 in.)

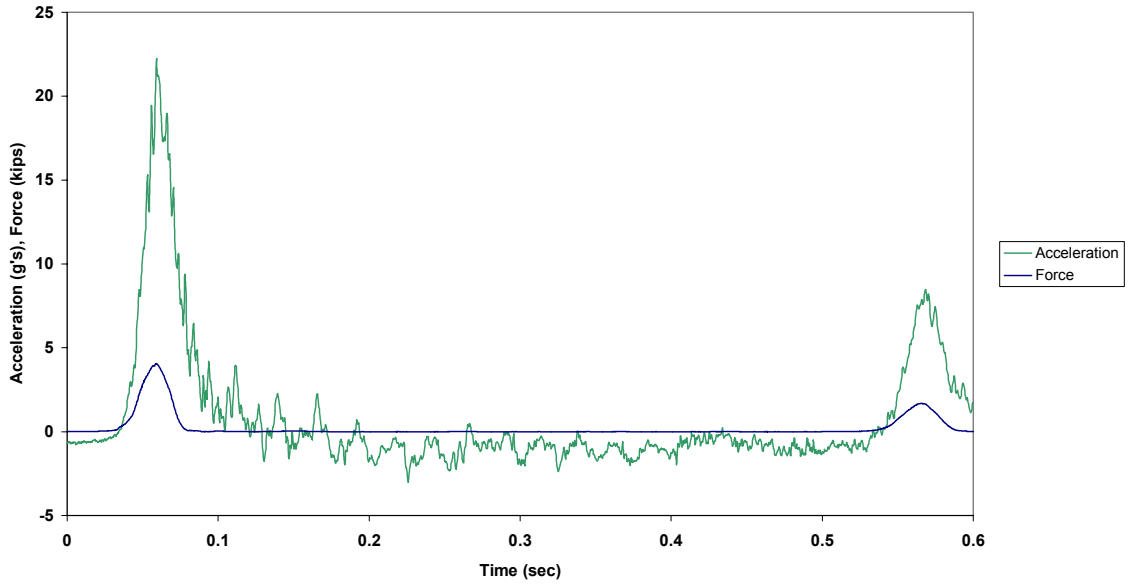


Figure B.140.1 Case 16K: Force and Acceleration vs. Time

Case 16K: New 1/2 in. Tech 12 (105 lb from 54 in.)

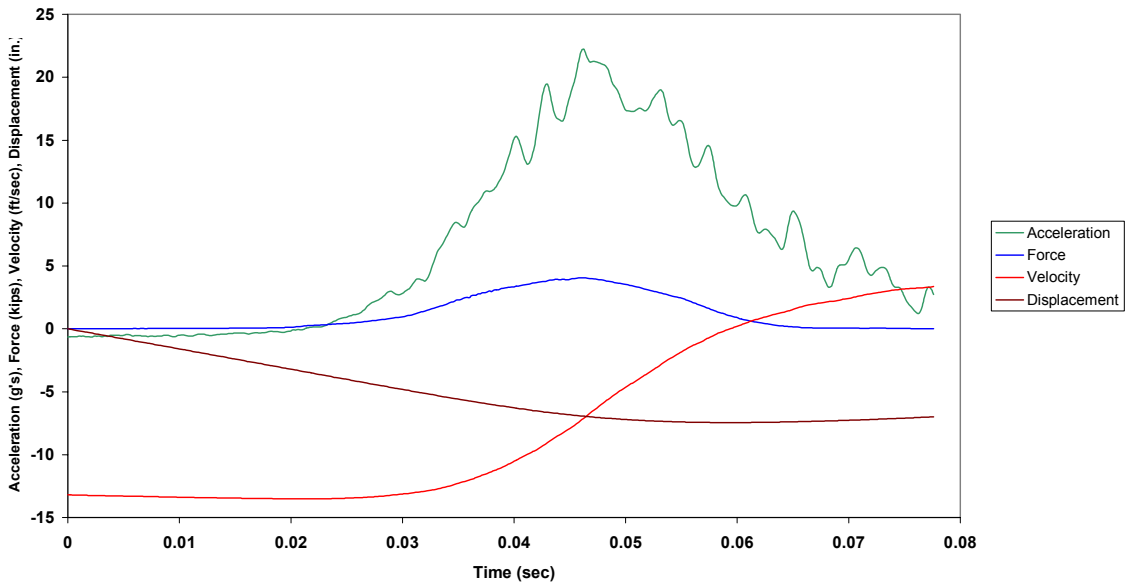


Figure B.140.2 Case 16K: Combined Plot

Case 16K: New 1/2 in. Tech 12 (105 lb from 54 in.)

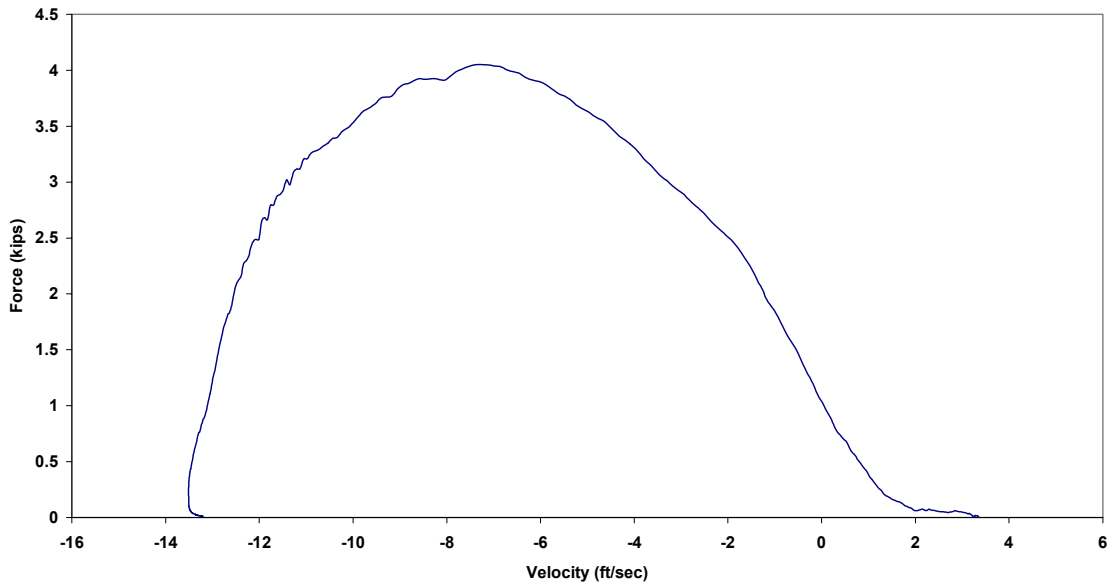


Figure B.140.3 Case 16K: Force vs. Velocity

Case 16K: New 1/2 in. Tech 12 (105 lb from 54 in.)

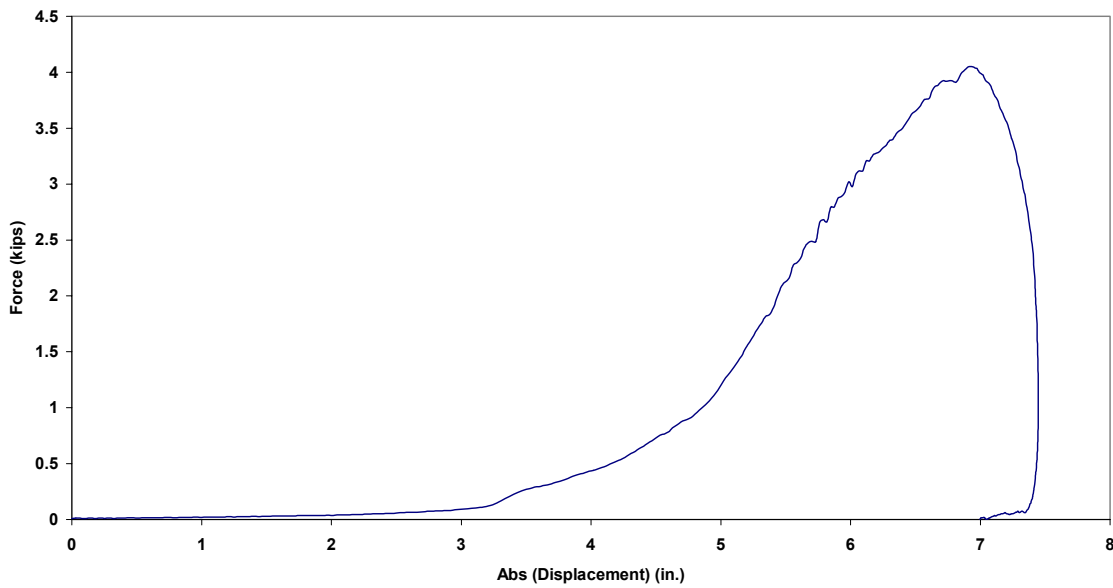


Figure B.140.4 Case 16K: Force vs. Absolute Displacement

Case 17K: New 1/2 in. Tech 12 (125 lb from 54 in.)

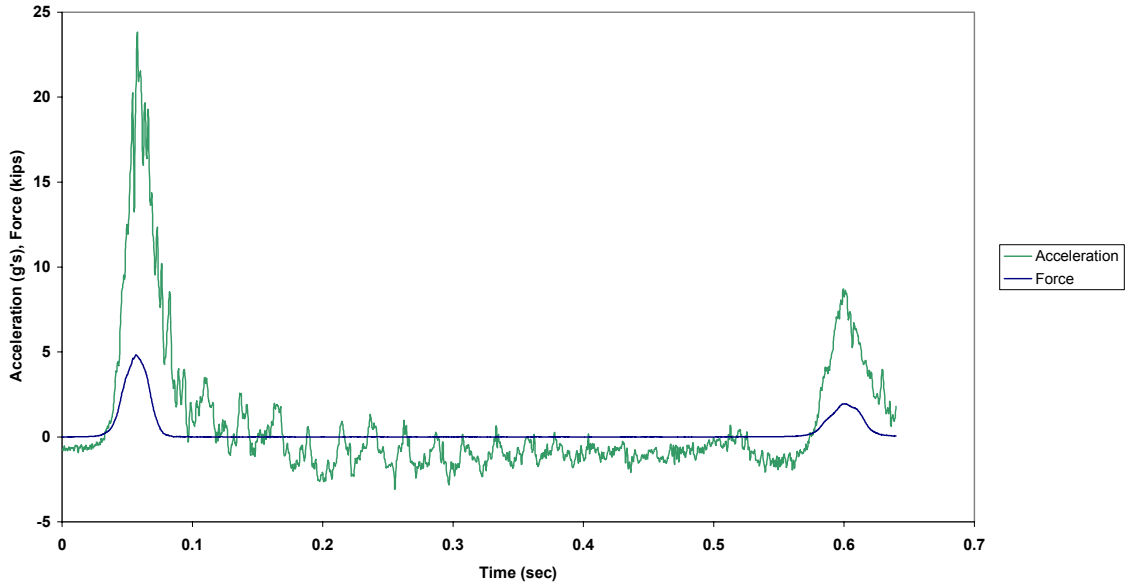


Figure B.141.1 Case 17K: Force and Acceleration vs. Time

Case 17K: New 1/2 in. Tech 12 (125 lb from 54 in.)

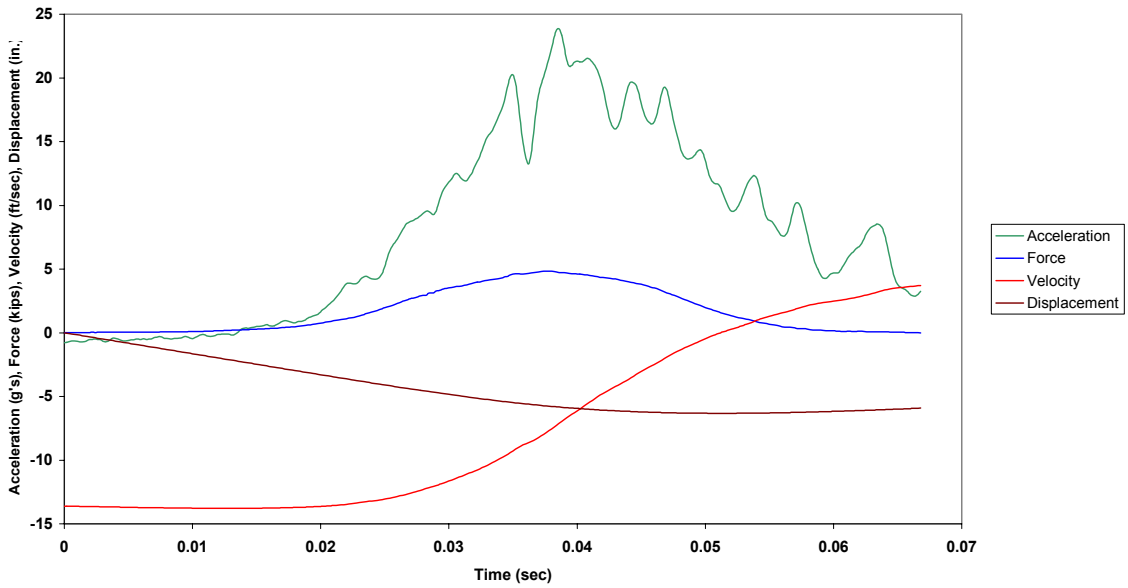


Figure B.141.2 Case 17K: Combined Plot

Case 17K: New 1/2 in. Tech 12 (125 lb from 54 in.)

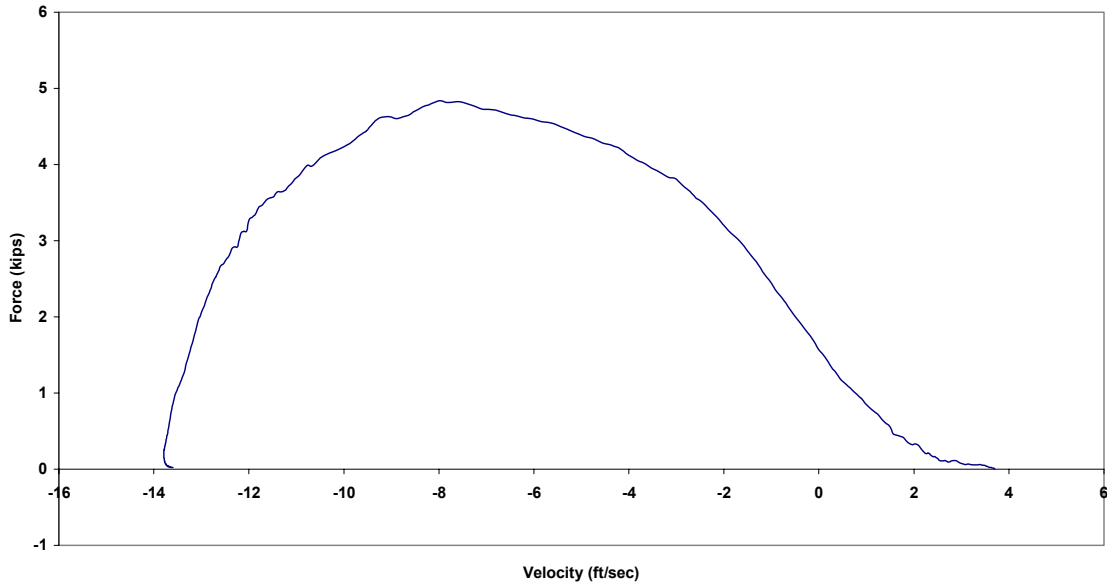


Figure B.141.3 Case 17K: Force vs. Velocity

Case 17K: New 1/2 in. Tech 12 (125 lb from 54 in.)

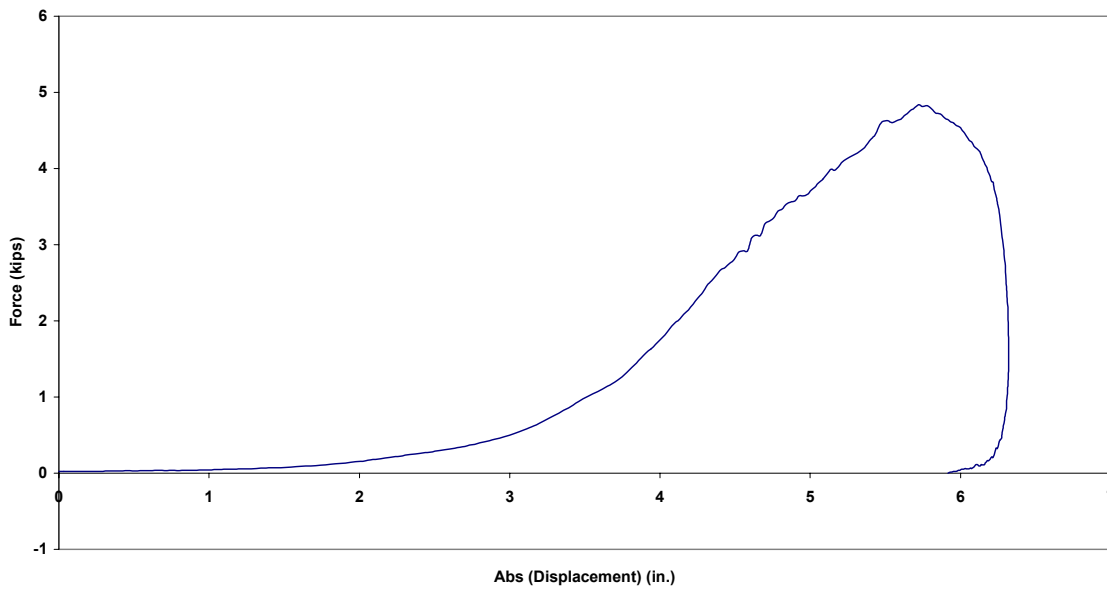


Figure B.141.4 Case 17K: Force vs. Absolute Displacement

Case 18K: New 1/2 in. Tech 12 (125 lb from 54 in.)

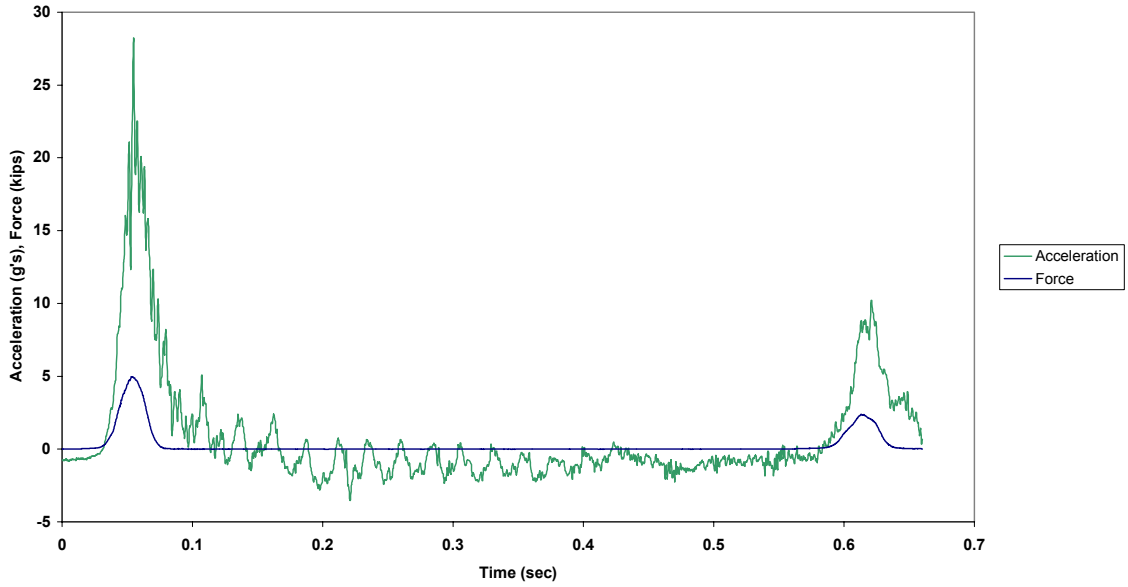


Figure B.142.1 Case 18K: Force and Acceleration vs. Time

Case 18K: New 1/2 in. Tech 12 (125 lb from 54 in.)

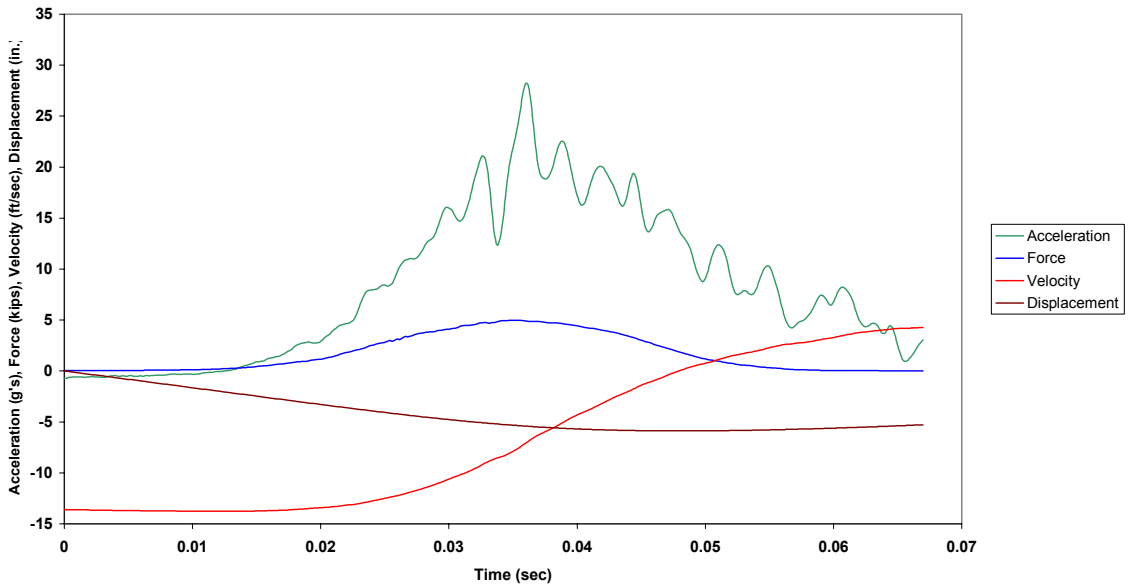


Figure B.142.2 Case 18K: Combined Plot

Case 18K: New 1/2 in. Tech 12 (125 lb from 54 in.)

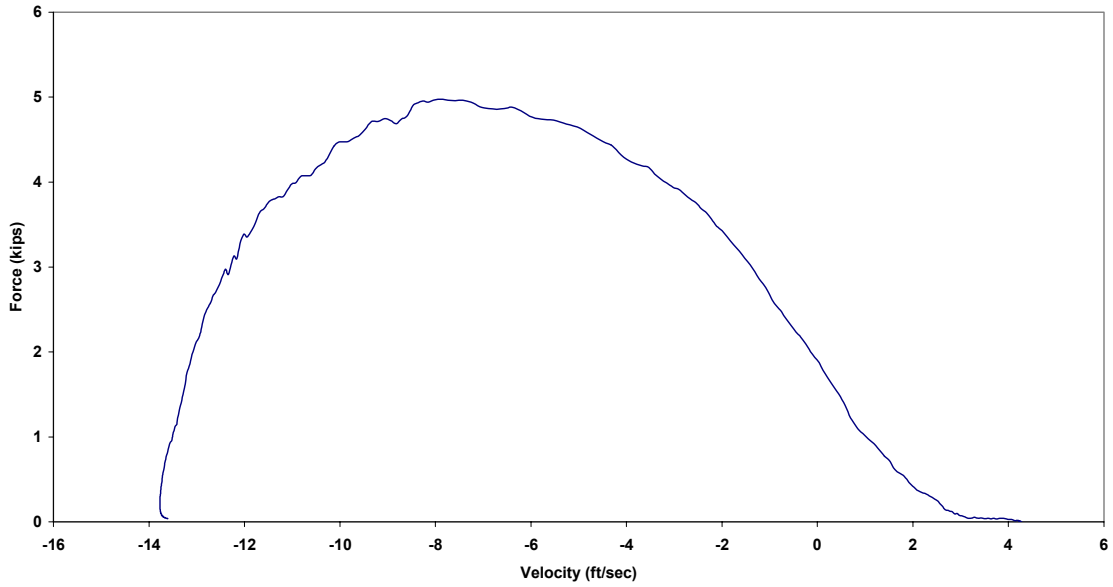


Figure B.142.3 Case 18K: Force vs. Velocity

Case 18K: New 1/2 in. Tech 12 (125 lb from 54 in.)

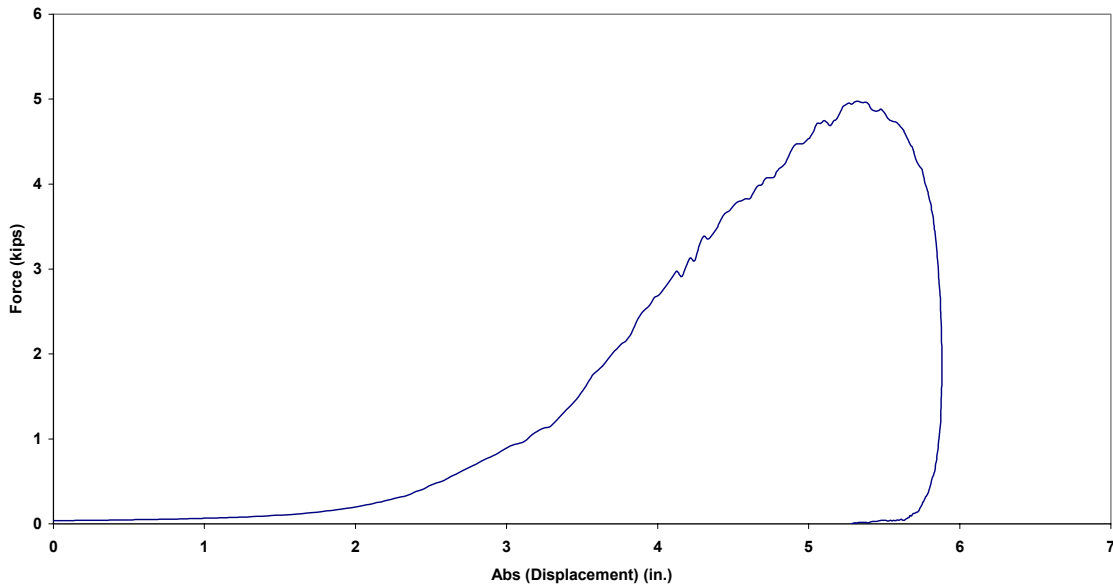


Figure B.142.4 Case 18K: Force vs. Absolute Displacement

Case 19K: New 1/2 in. Tech 12 (105 lb from 54 in.)

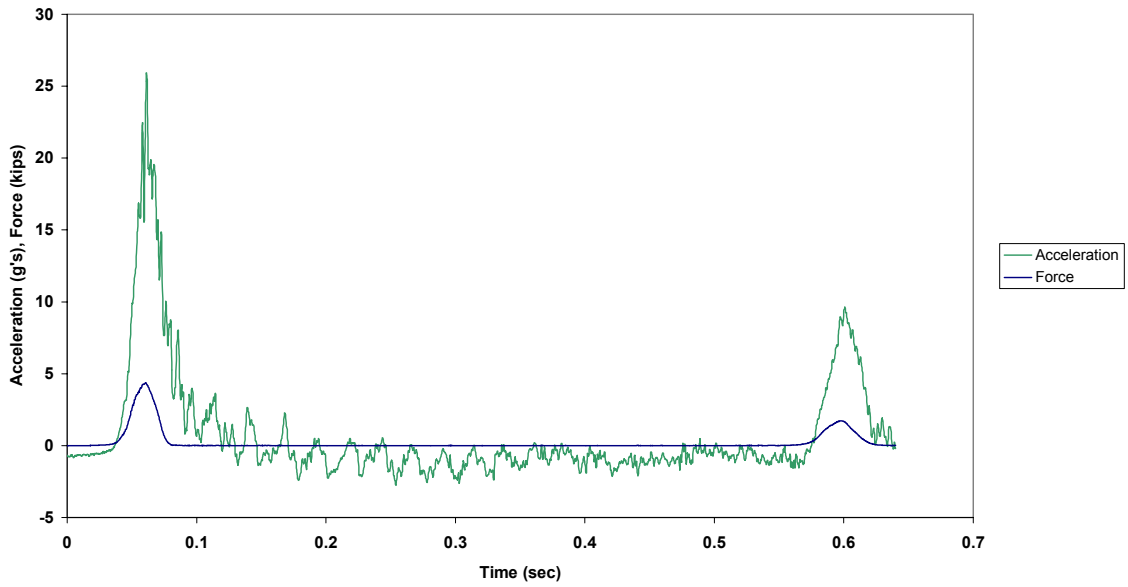


Figure B.143.1 Case 19K: Force and Acceleration vs. Time

Case 19K: New 1/2 in. Tech 12 (105 lb from 54 in.)

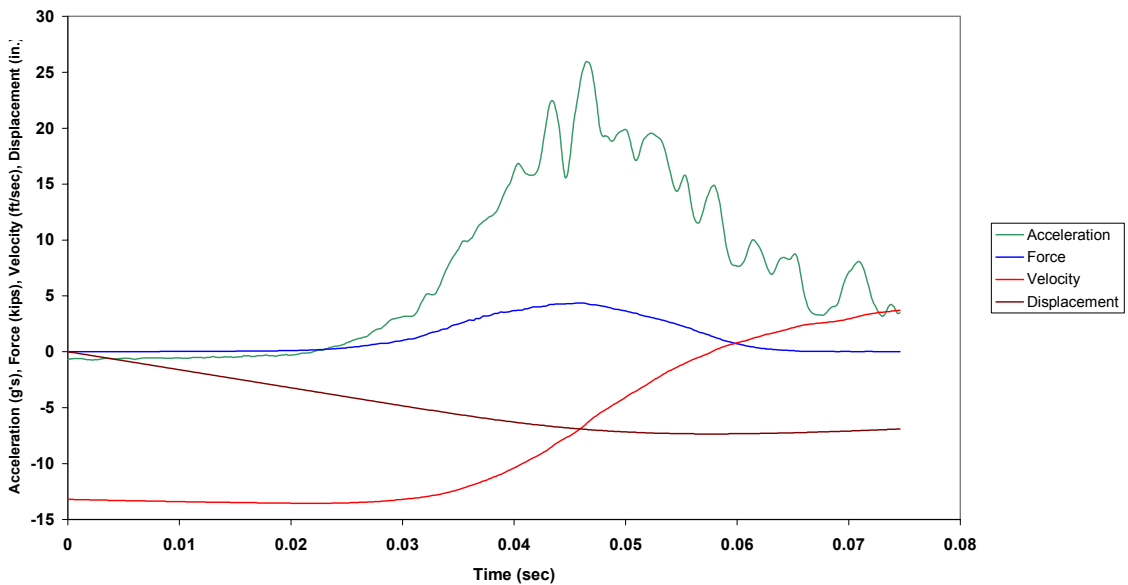


Figure B.143.2 Case 19K: Combined Plot

Case 18K: New 1/2 in. Tech 12 (105 lb from 54 in.)

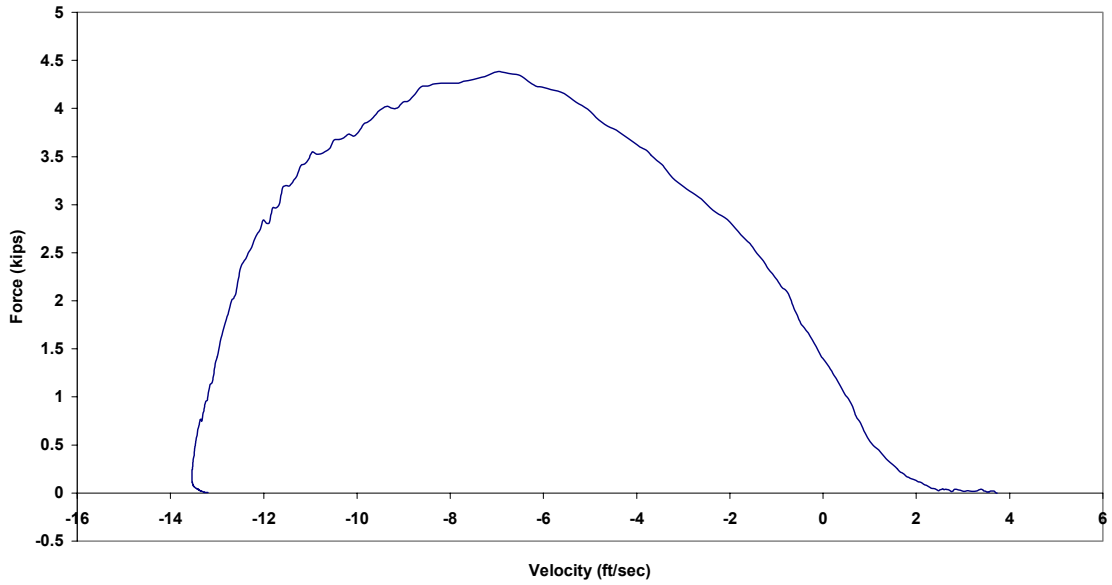


Figure B.143.3 Case 19K: Force vs. Velocity

Case 19K: New 1/2 in. Tech 12 (105 lb from 54 in.)

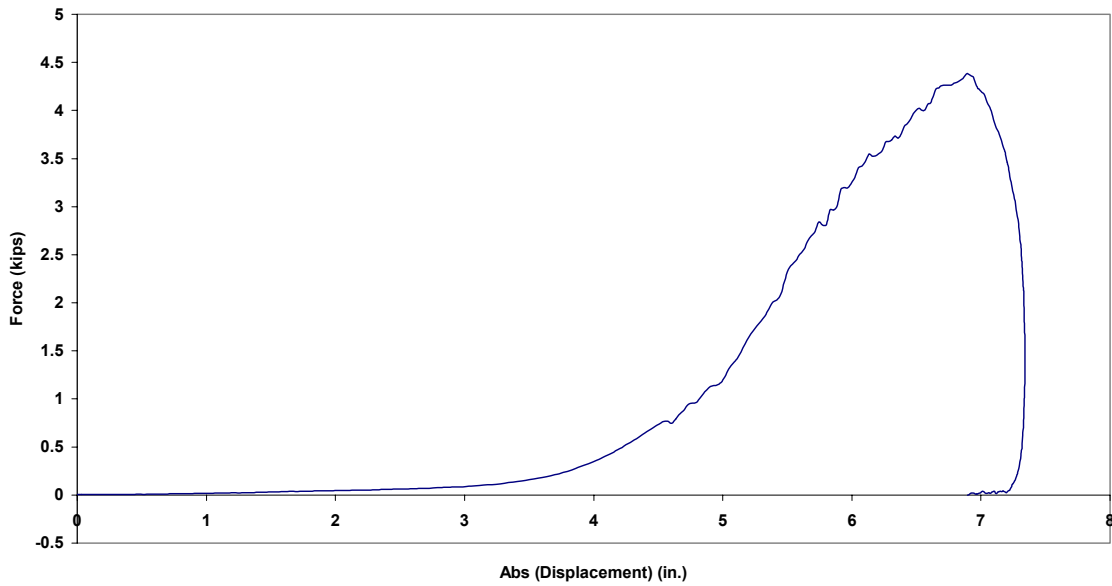


Figure B.143.4 Case 19K: Force vs. Absolute Displacement



Case 20K: New 1/2 in. Tech 12 (85 lb from 54 in.)

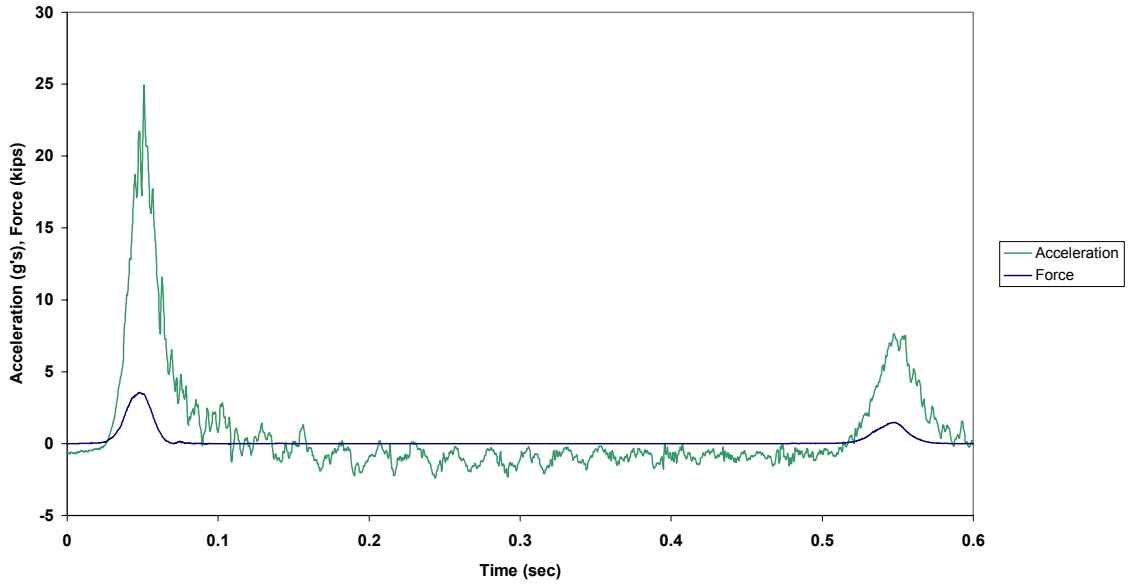


Figure B.144.1 Case 20K: Force and Acceleration vs. Time

Case 20K: New 1/2 in. Tech 12 (85 lb from 54 in.)

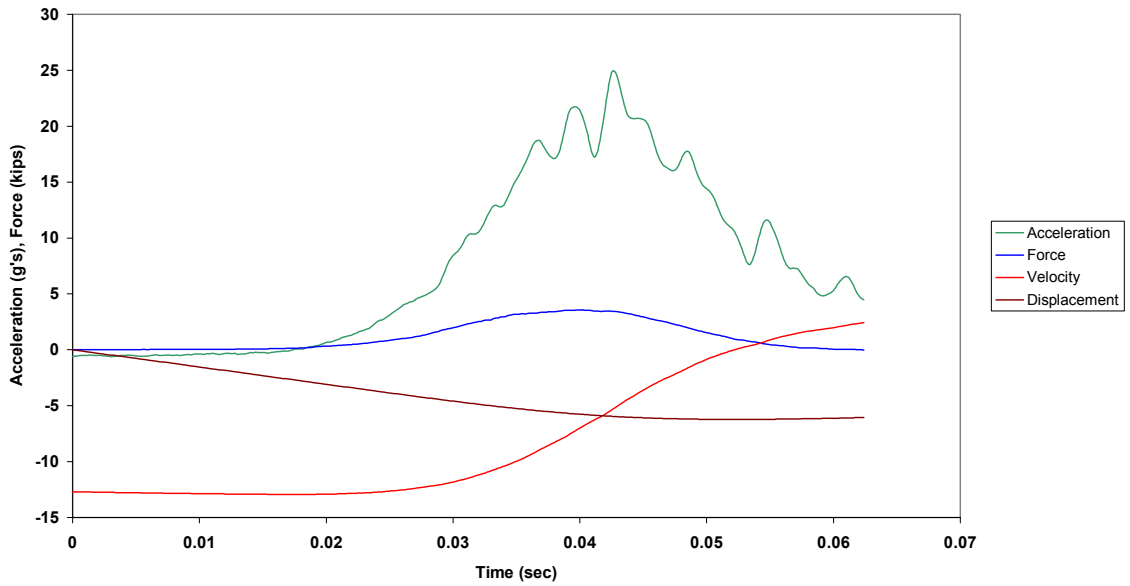


Figure B.144.2 Case 20K: Combined Plot

Case 20K: New 1/2 in. Tech 12 (85 lb from 54 in.)

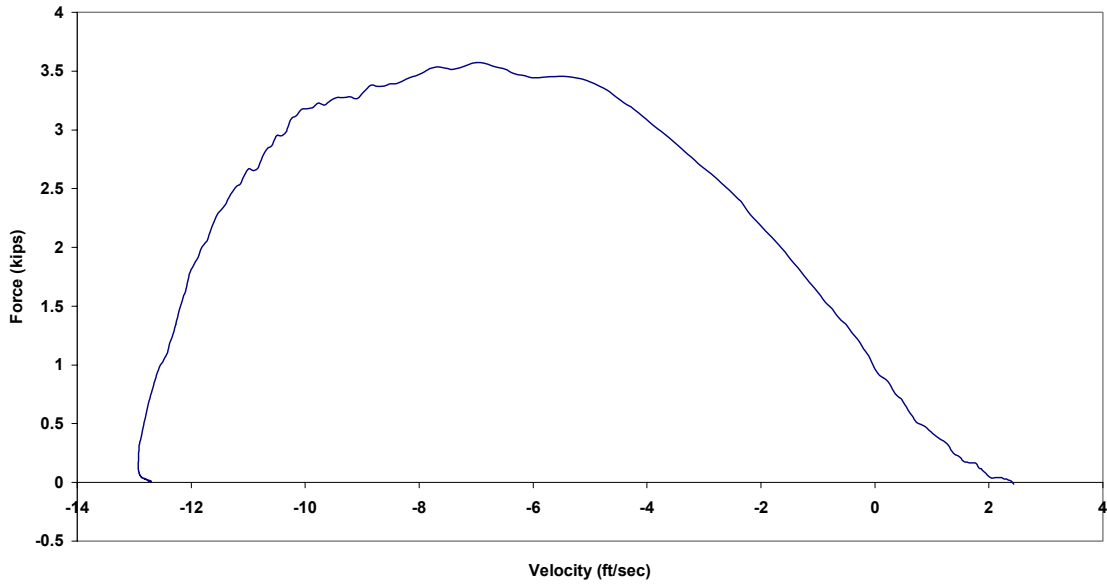


Figure B.144.3 Case 20K: Force vs. Velocity

Case 20K: New 1/2 in. Tech 12 (85 lb from 54 in.)

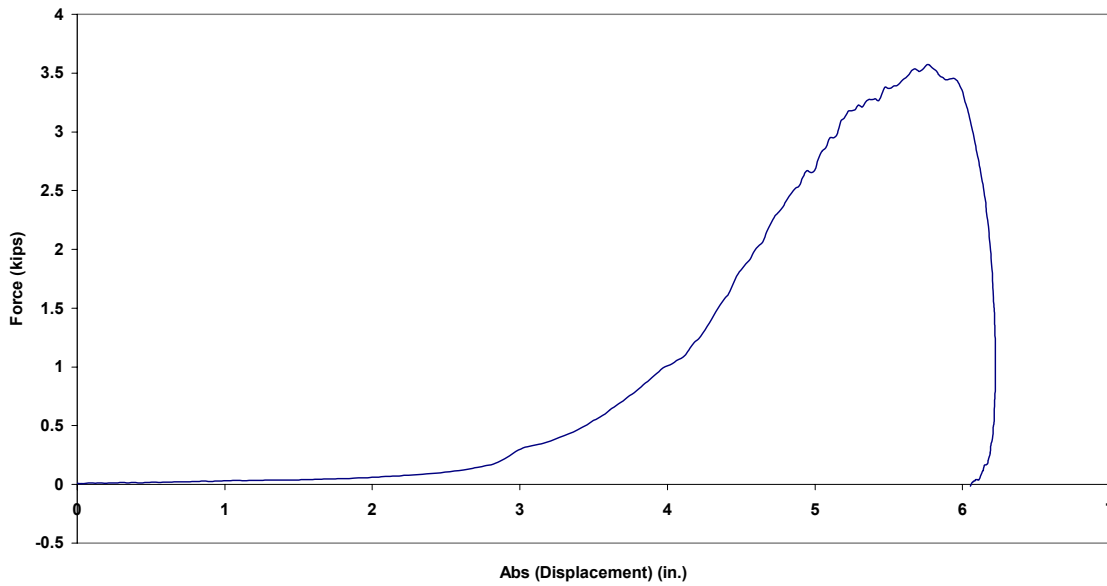


Figure B.144.4 Case 20K: Force vs. Absolute Displacement

Case 21K: New 1/2 in. Tech 12 (65 lb from 54 in.)

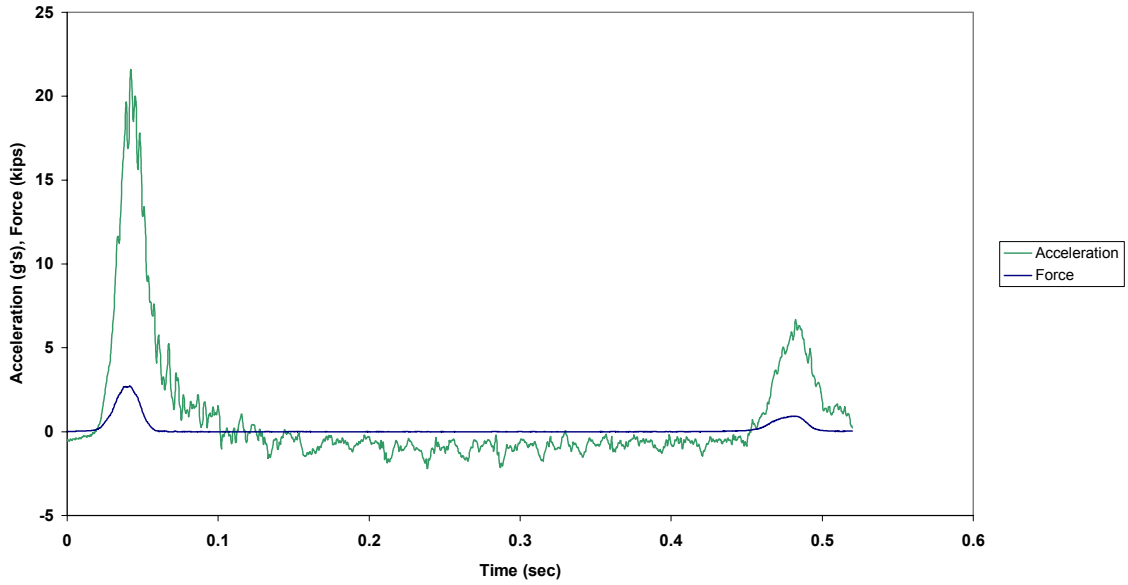


Figure B.145.1 Case 21K: Force and Acceleration vs. Time

Case 21K: New 1/2 in. Tech 12 (65 lb from 54 in.)

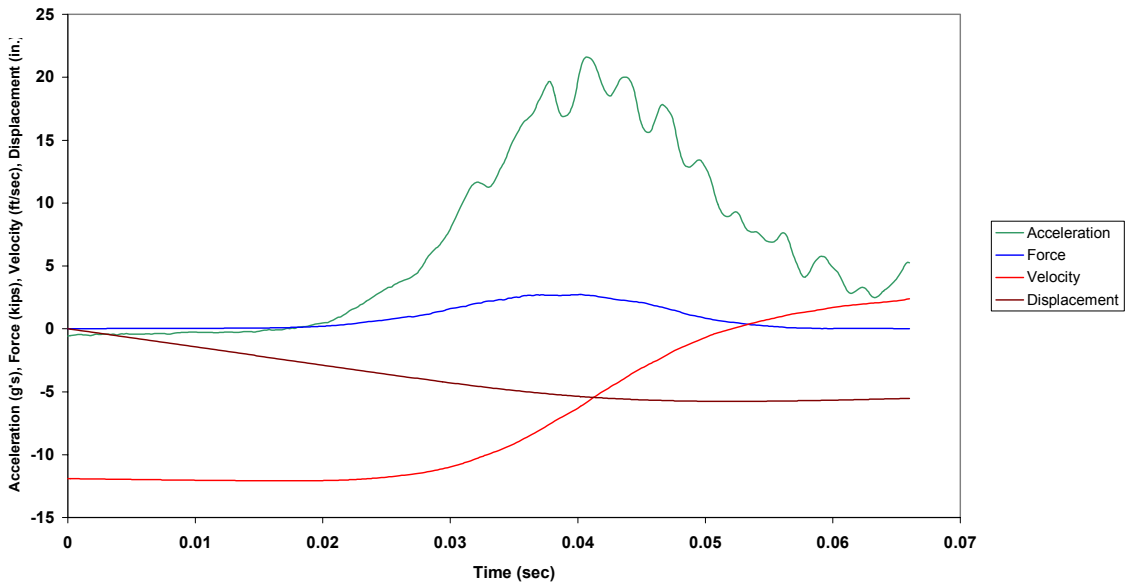


Figure B.145.2 Case 21K: Combined Plot

Case 21K: New 1/2 in. Tech 12 (65 lb from 54 in.)



Figure B.145.3 Case 21K: Force vs. Velocity

Case 21K: New 1/2 in. Tech 12 (65 lb from 54 in.)

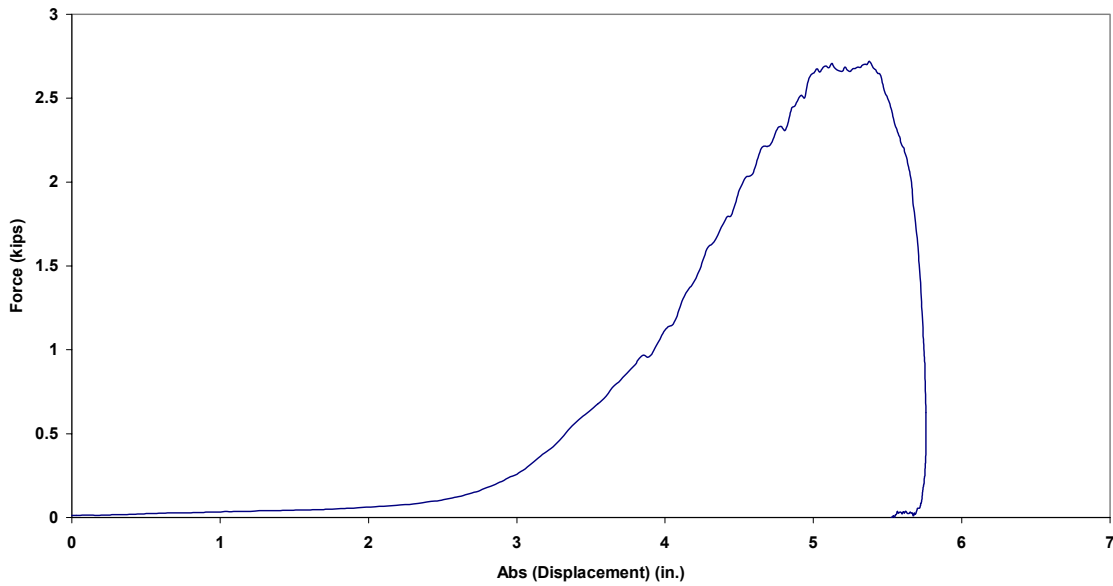


Figure B.145.4 Case 21K: Force vs. Absolute Displacement

Case 22K: New 1/2 in. Tech 12 (45 lb from 54 in.)

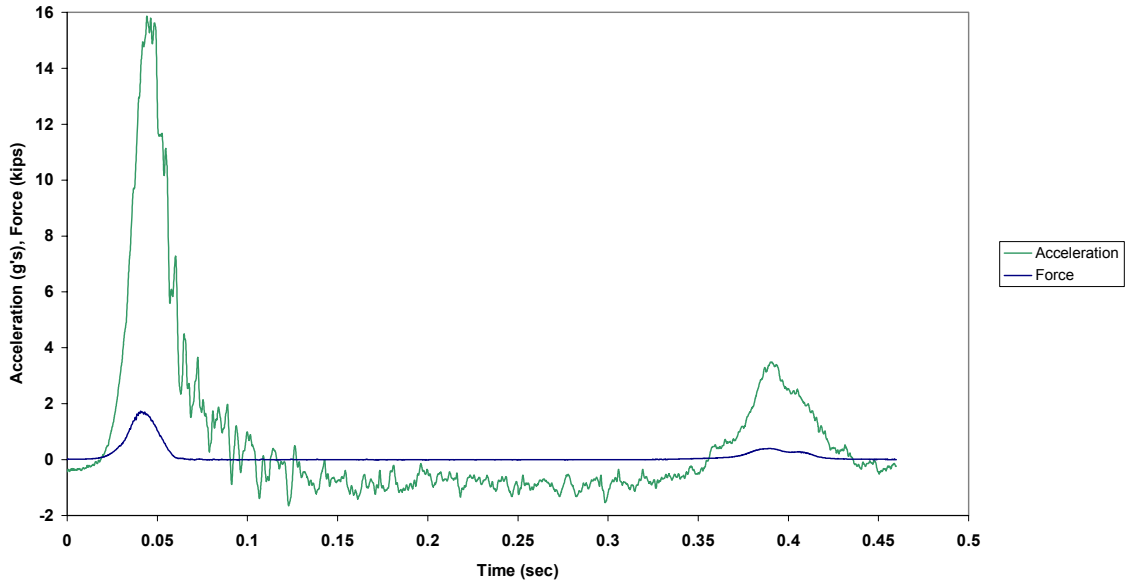


Figure B.146.1 Case 22K: Force and Acceleration vs. Time

Case 22K: New 1/2 in. Tech 12 (45 lb from 54 in.)

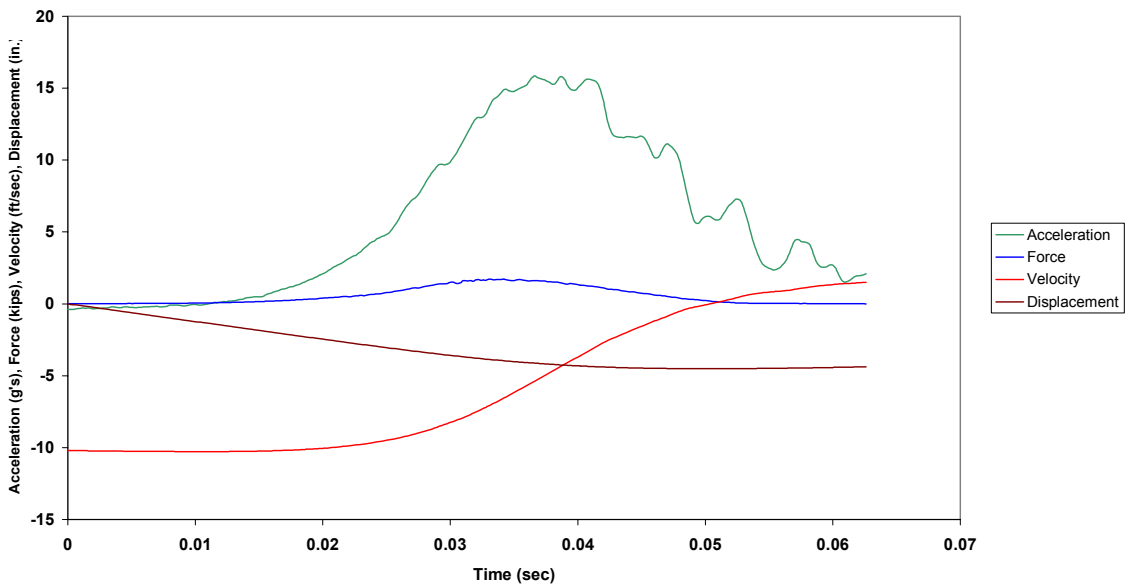


Figure B.146.2 Case 22K: Combined Plot

Case 22K: New 1/2 in. Tech 12 (45 lb from 54 in.)



Figure B.146.3 Case 22K: Force vs. Velocity

Case 22K: New 1/2 in. Tech 12 (45 lb from 54 in.)

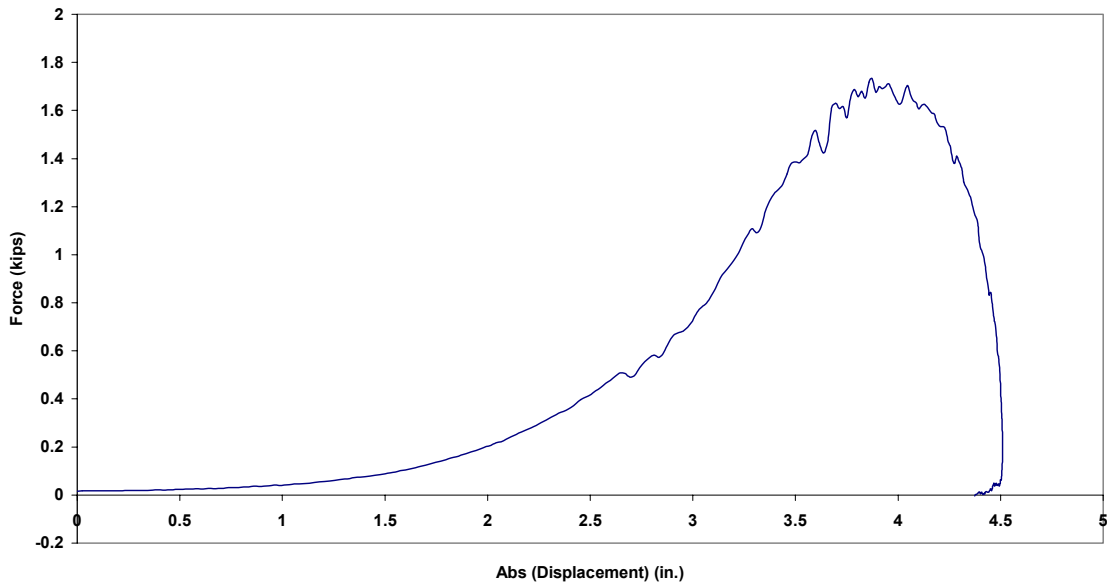


Figure B.146.4 Case 22K: Force vs. Absolute Displacement

Case 1L: Precycled 1/2 in. Tech 12 (65 lb from 54 in.)

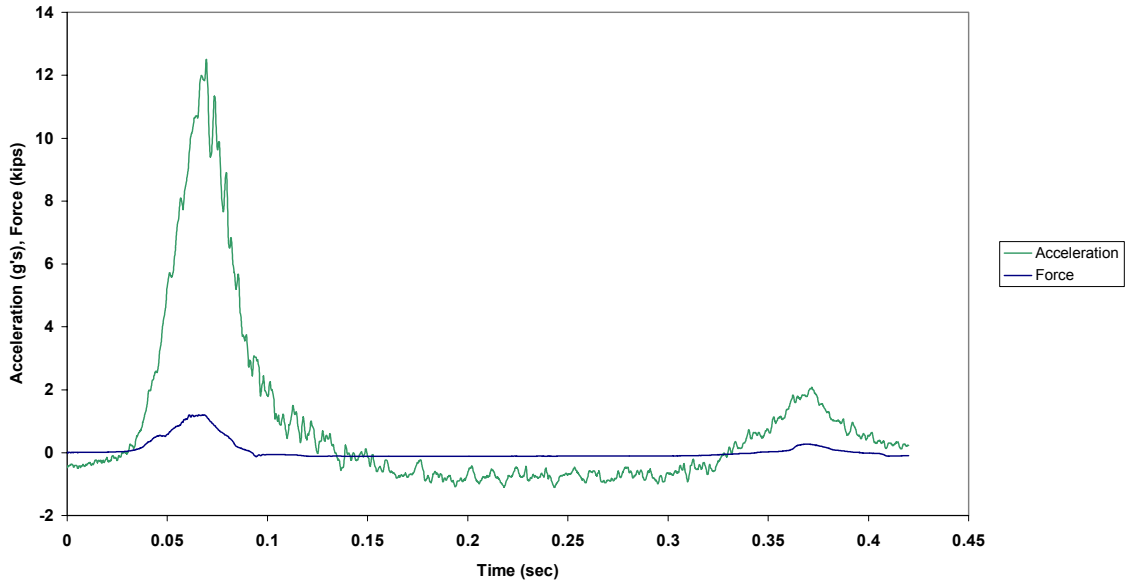


Figure B.147.1 Case 1L: Force and Acceleration vs. Time

Case 1L: Precycled 1/2 in. Tech 12 (65 lb from 54 in.)

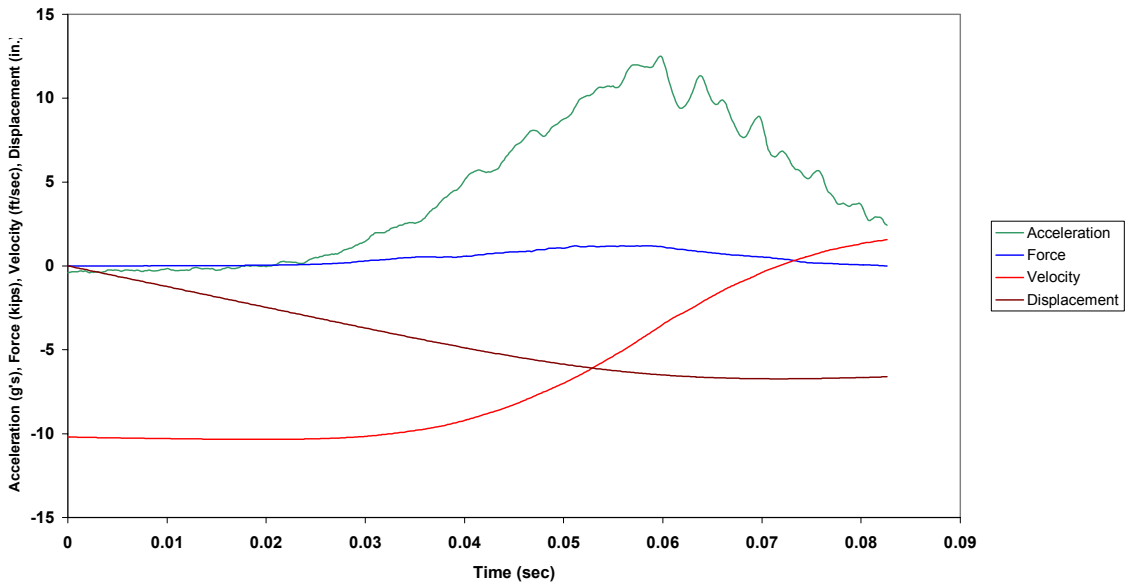


Figure B.147.2 Case 1L: Combined Plot

Case 1L: Precycled 1/2 in. Tech 12 (65 lb from 54 in.)

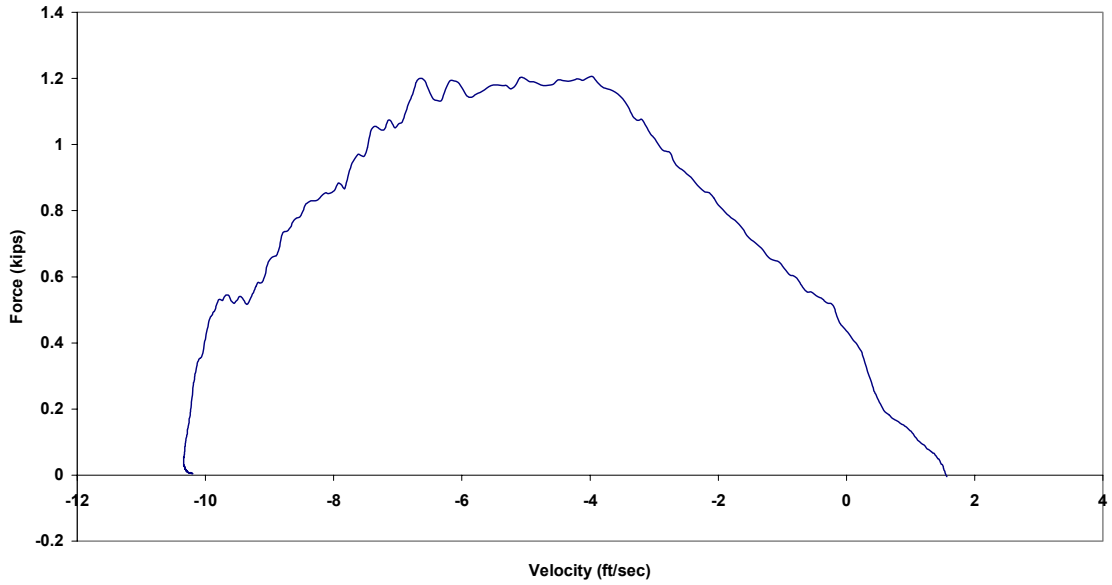


Figure B.147.3 Case 1L: Force vs. Velocity

Case 1L: Precycled 1/2 in. Tech 12 (65 lb from 54 in.)

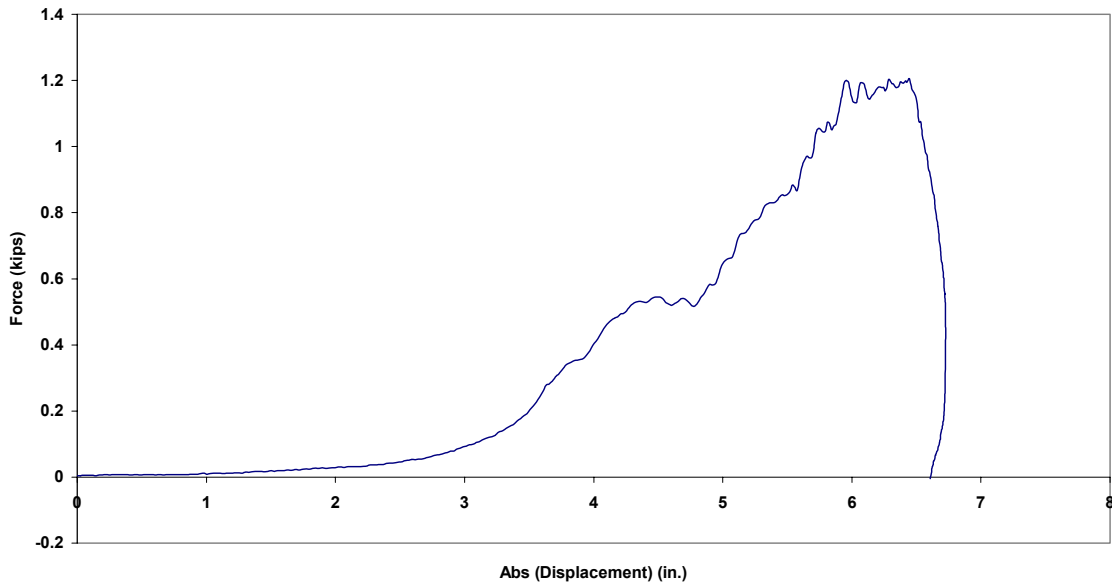


Figure B.147.4 Case 1L: Force vs. Absolute Displacement



Case 4L: Precycled 1/2 in. Tech 12 (65 lb from 90 in.)

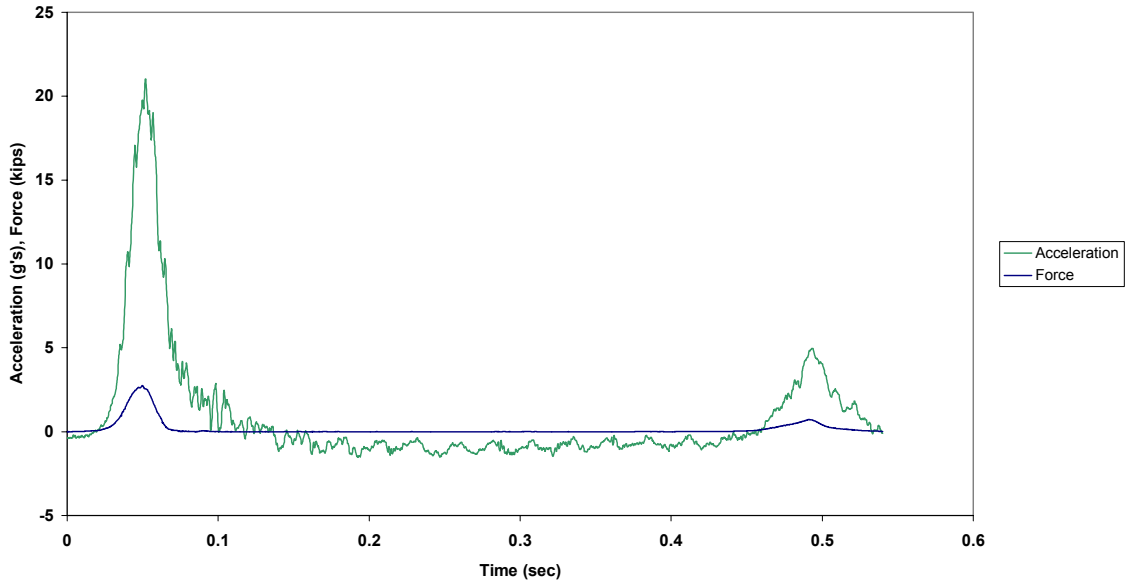


Figure B.148.1 Case 2L: Force and Acceleration vs. Time

Case 2L: Precycled 1/2 in. Tech 12 (65 lb from 66 in.)

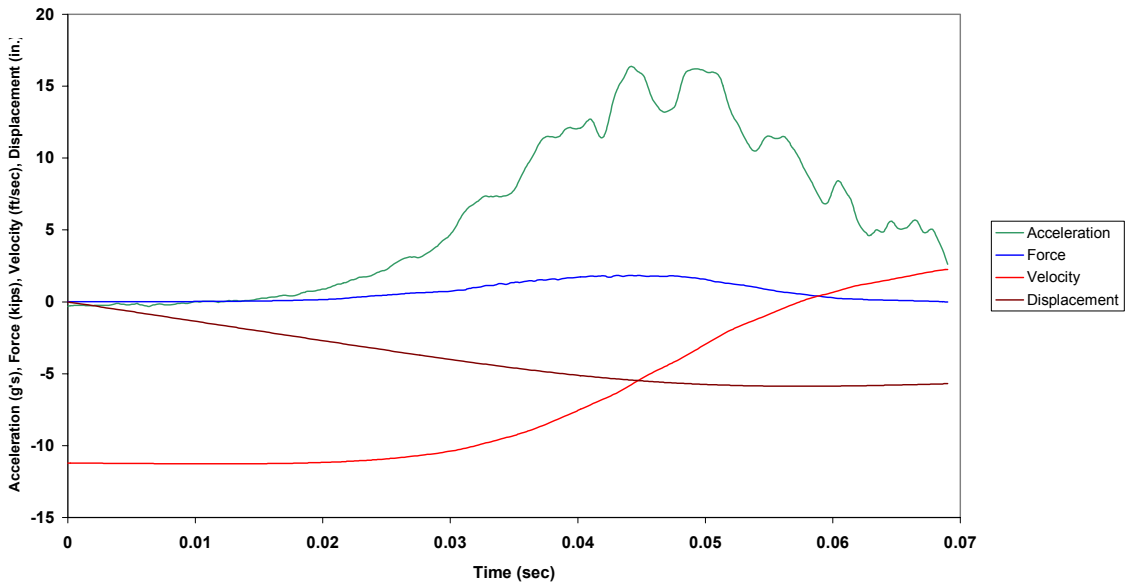


Figure B.148.2 Case 2L: Combined Plot

Case 2L: Precycled 1/2 in. Tech 12 (65 lb from 66 in.)

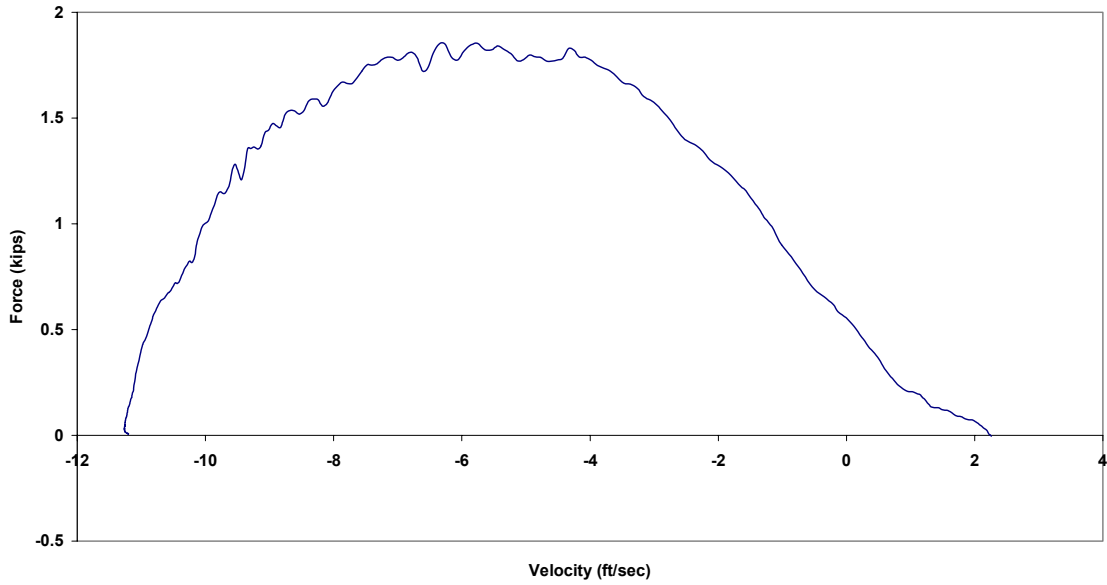


Figure B.148.3 Case 2L: Force vs. Velocity

Case 2L: Precycled 1/2 in. Tech 12 (65 lb from 66 in.)

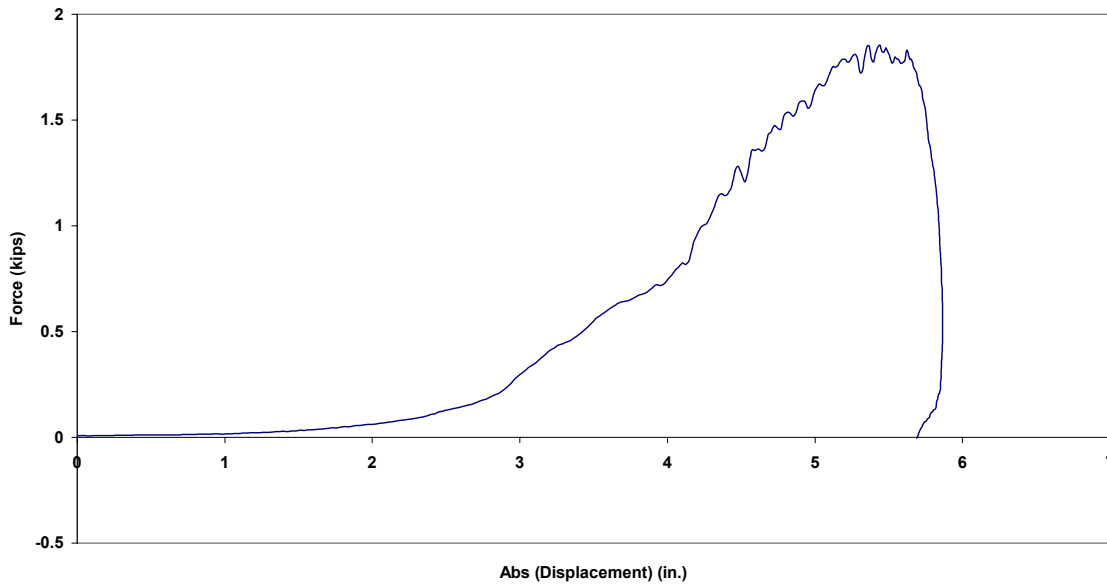


Figure B.148.4 Case 2L: Force vs. Absolute Displacement

Case 3L: Precycled 1/2 in. Tech 12 (65 lb from 78 in.)

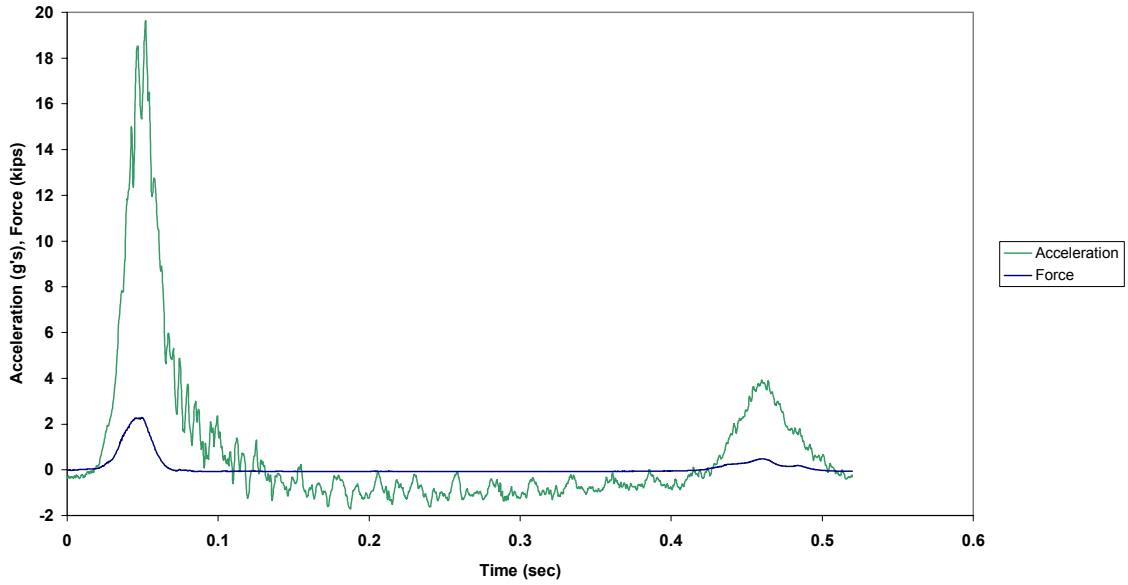


Figure B.149.1 Case 3L: Force and Acceleration vs. Time

Case 3L: Precycled 1/2 in. Tech 12 (65 lb from 78 in.)

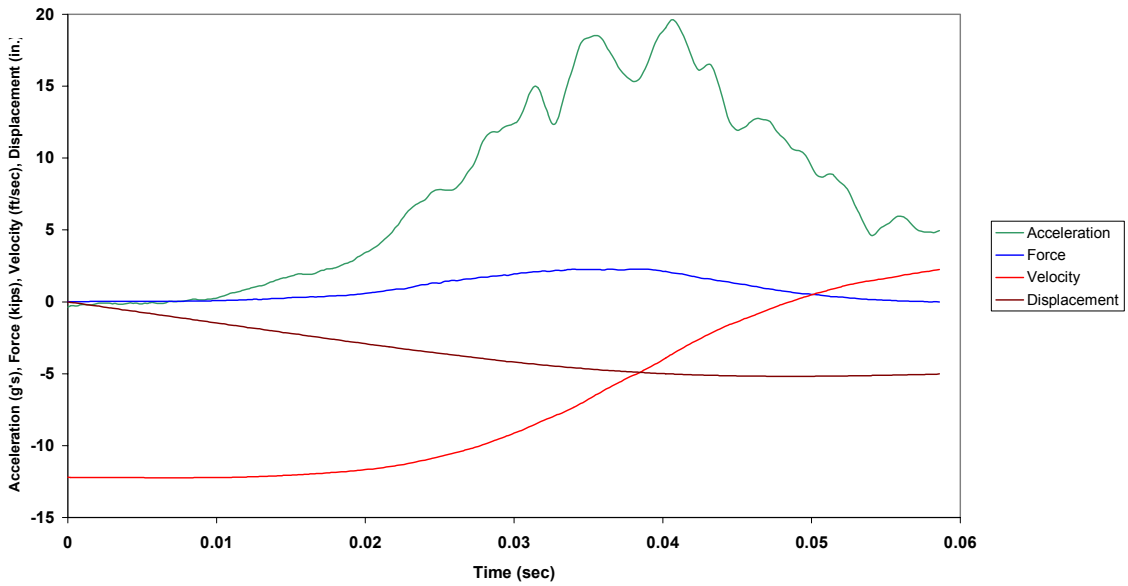


Figure B.149.2 Case 3L: Combined Plot

Case 3L: Precycled 1/2 in. Tech 12 (65 lb from 78 in.)

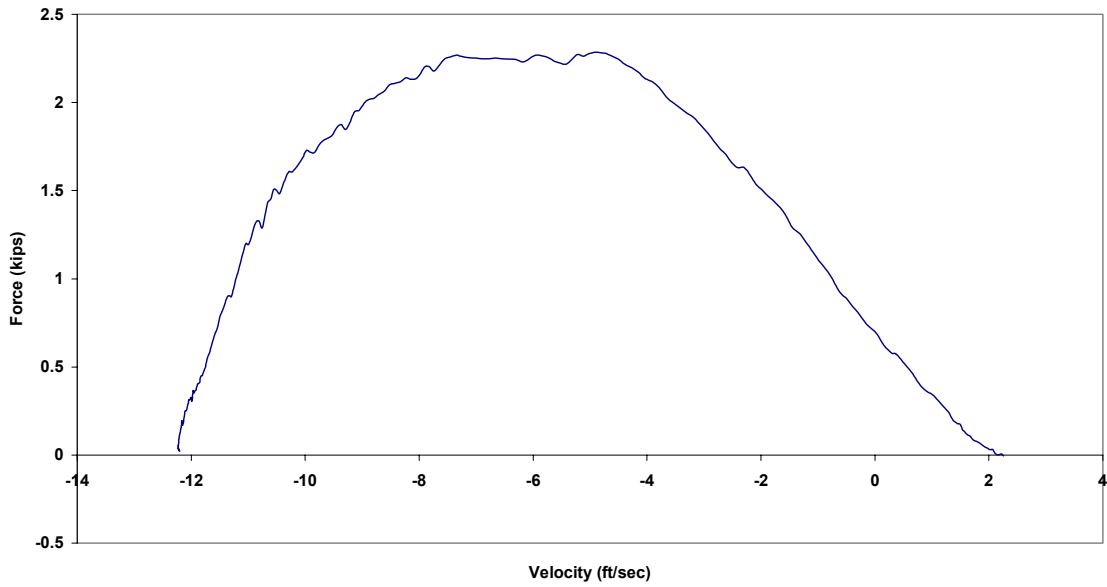


Figure B.149.3 Case 3L: Force vs. Velocity

Case 3L: Precycled 1/2 in. Tech 12 (65 lb from 78 in.)

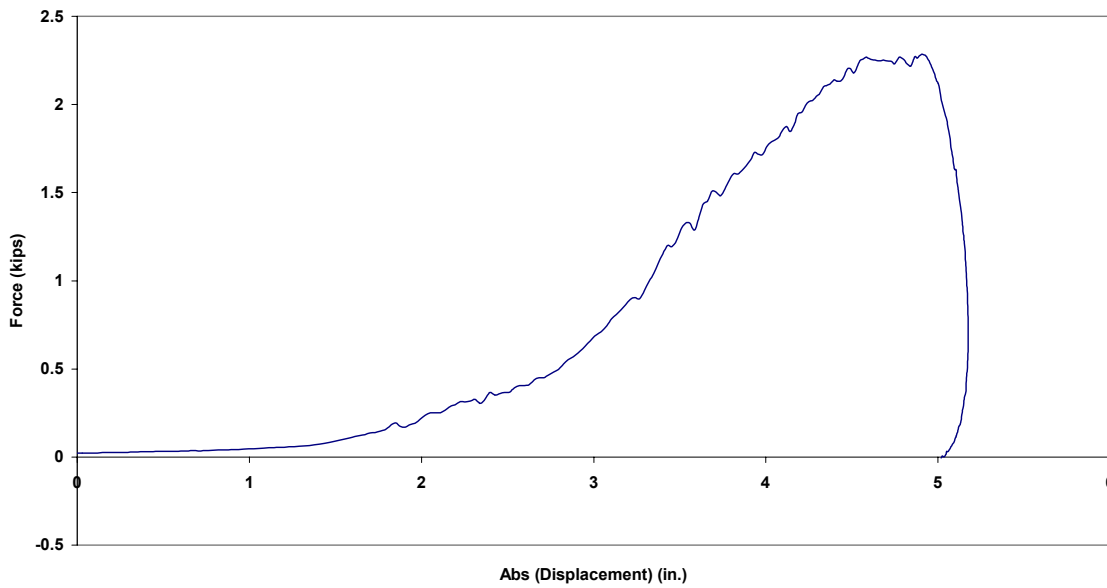


Figure B.149.4 Case 3L: Force vs. Absolute Displacement

Case 4L: Precycled 1/2 in. Tech 12 (65 lb from 90 in.)

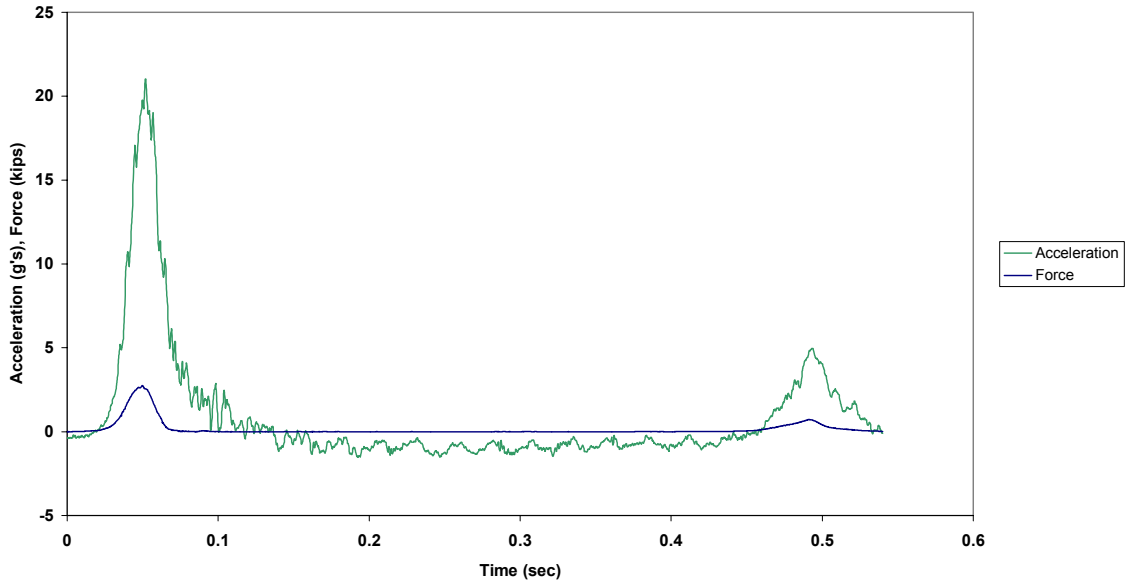


Figure B.150.1 Case 4L: Force and Acceleration vs. Time

Case 4L: Precycled 1/2 in. Tech 12 (65 lb from 90 in.)

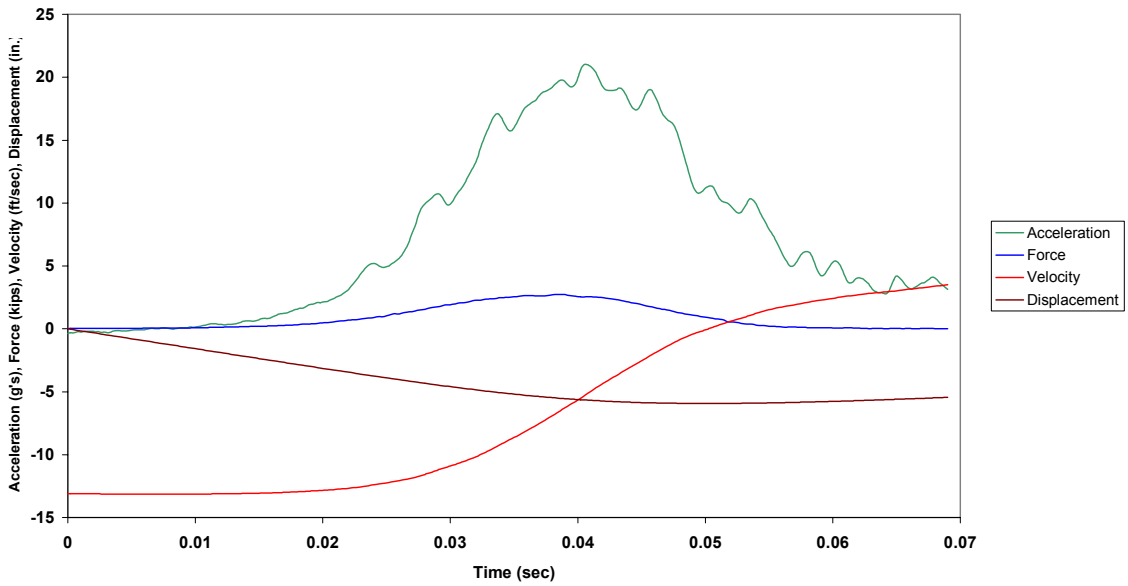


Figure B.150.2 Case 4L: Combined Plot

Case 4L: Precycled 1/2 in. Tech 12 (65 lb from 90 in.)



Figure B.150.3 Case 4L: Force vs. Velocity

Case 4L: Precycled 1/2 in. Tech 12 (65 lb from 90 in.)

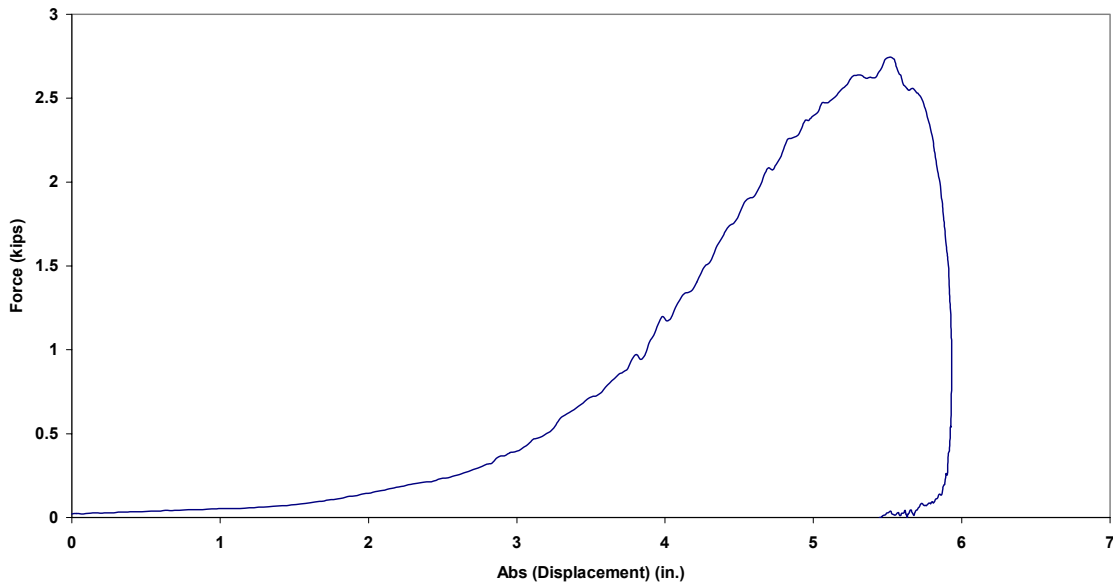


Figure B.150.4 Case 4L: Force vs. Absolute Displacement

Case 5L: Precycled 1/2 in. Tech 12 (65 lb from 96 in.)

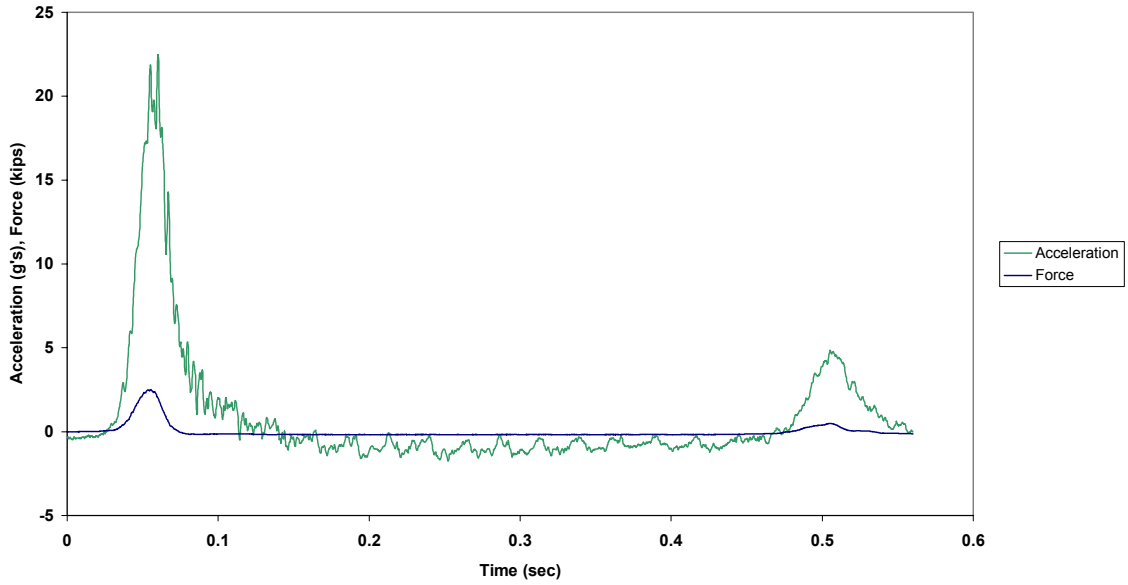


Figure B.151.1 Case 5L: Force and Acceleration vs. Time

Case 5L: Precycled 1/2 in. Tech 12 (65 lb from 96 in.)

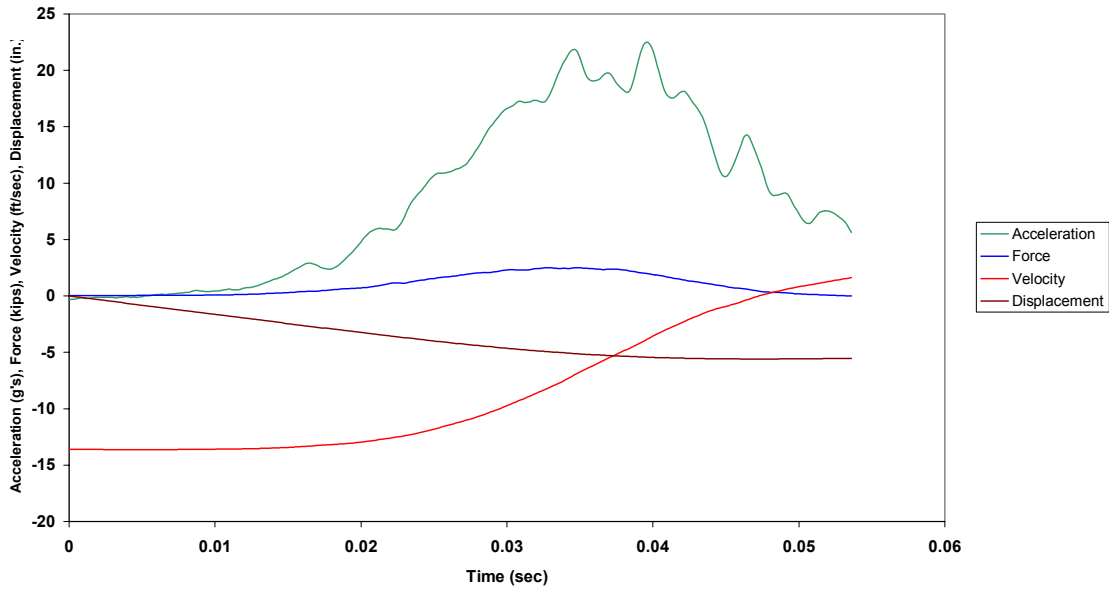


Figure B.151.2 Case 5L: Combined Plot

Case 5L: Precycled 1/2 in. Tech 12 (65 lb from 96 in.)

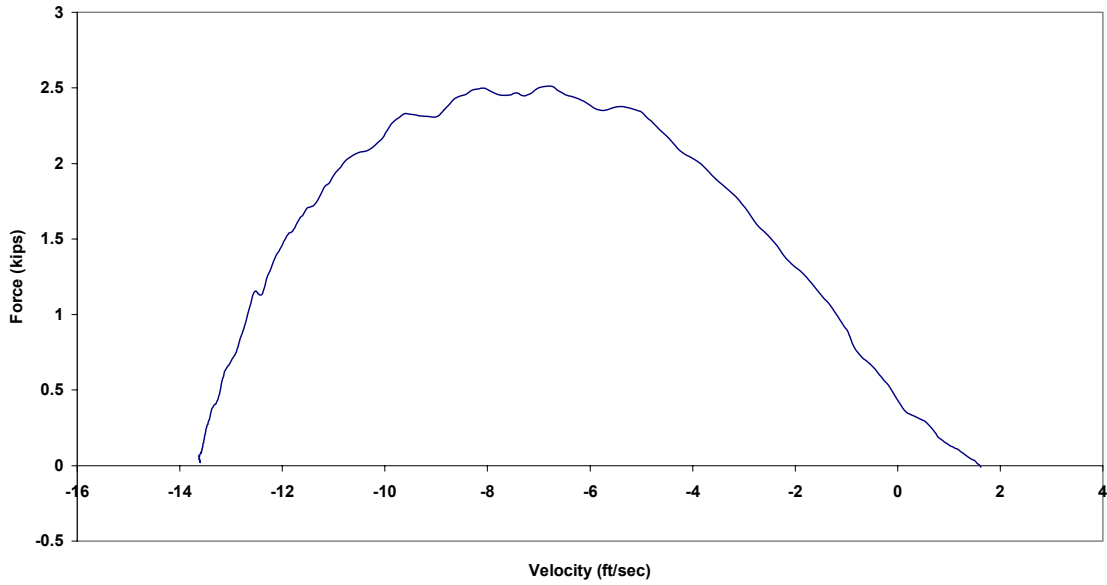


Figure B.151.3 Case 5L: Force vs. Velocity

Case 5L: Precycled 1/2 in. Tech 12 (65 lb from 96 in.)

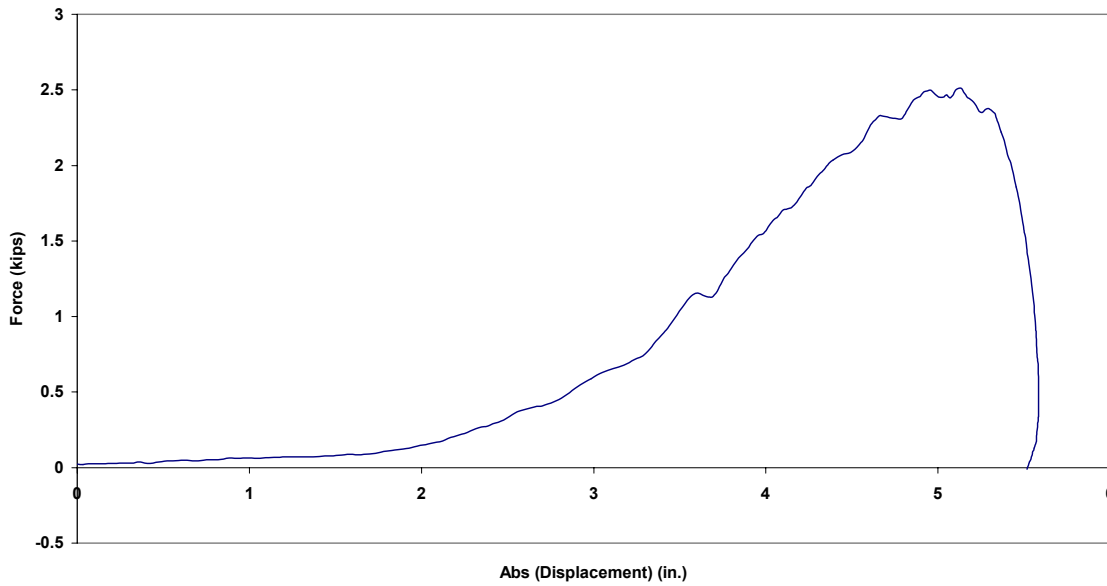


Figure B.151.4 Case 5L: Force vs. Absolute Displacement



Case 6L: Precycled 1/2 in. Tech 12 (85 lb from 58 in.)

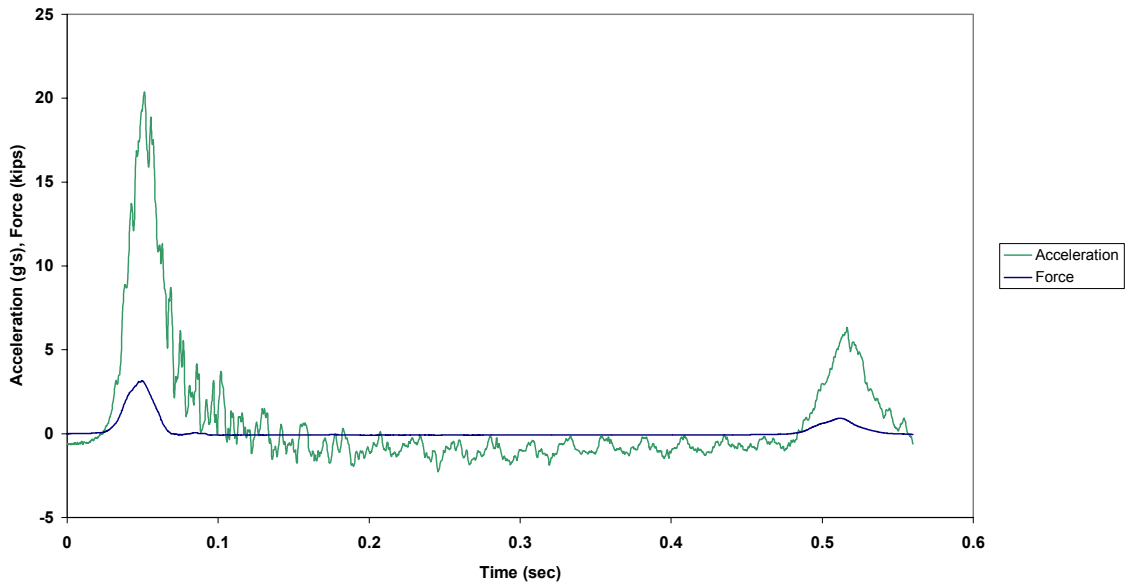


Figure B.152.1 Case 6L: Force and Acceleration vs. Time

Case 6L: Precycled 1/2 in. Tech 12 (85 lb from 58 in.)

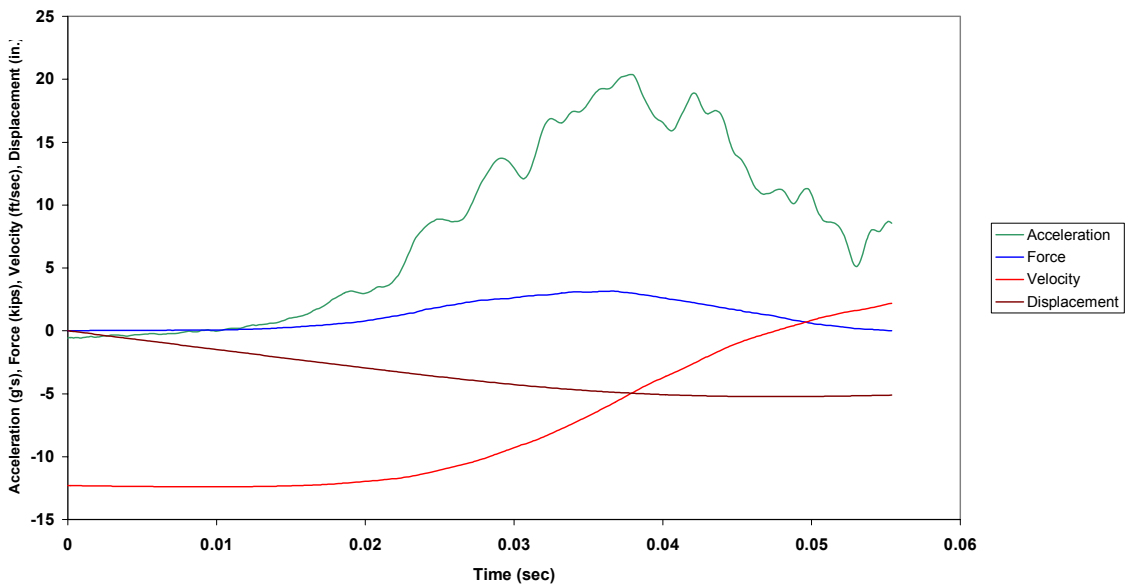


Figure B.152.2 Case 6L: Combined Plot

Case 6L: Precycled 1/2 in. Tech 12 (85 lb from 58 in.)

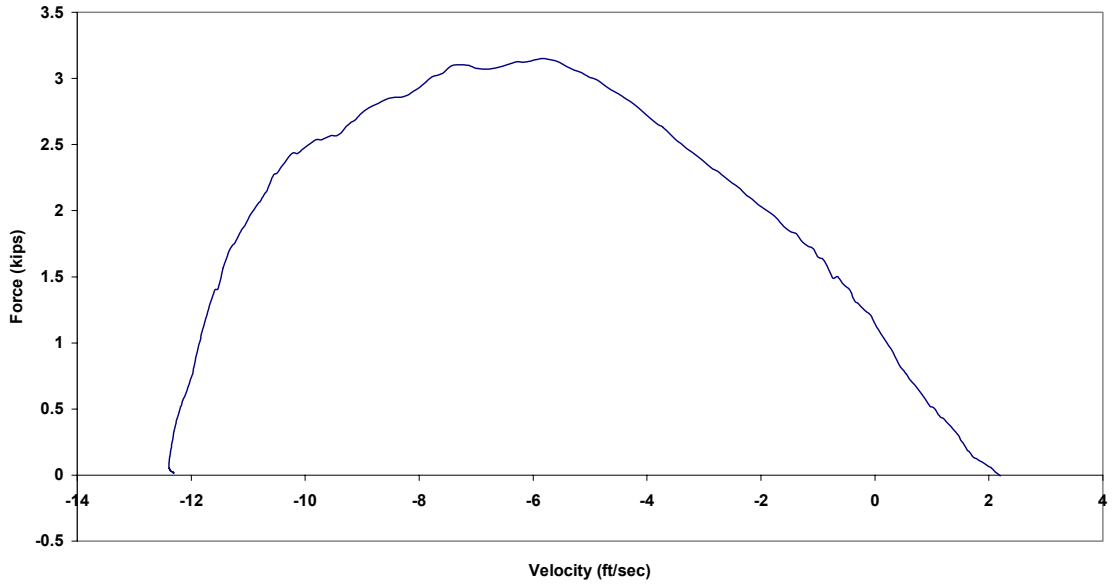


Figure B.152.3 Case 6L: Force vs. Velocity

Case 6L: Precycled 1/2 in. Tech 12 (85 lb from 58 in.)

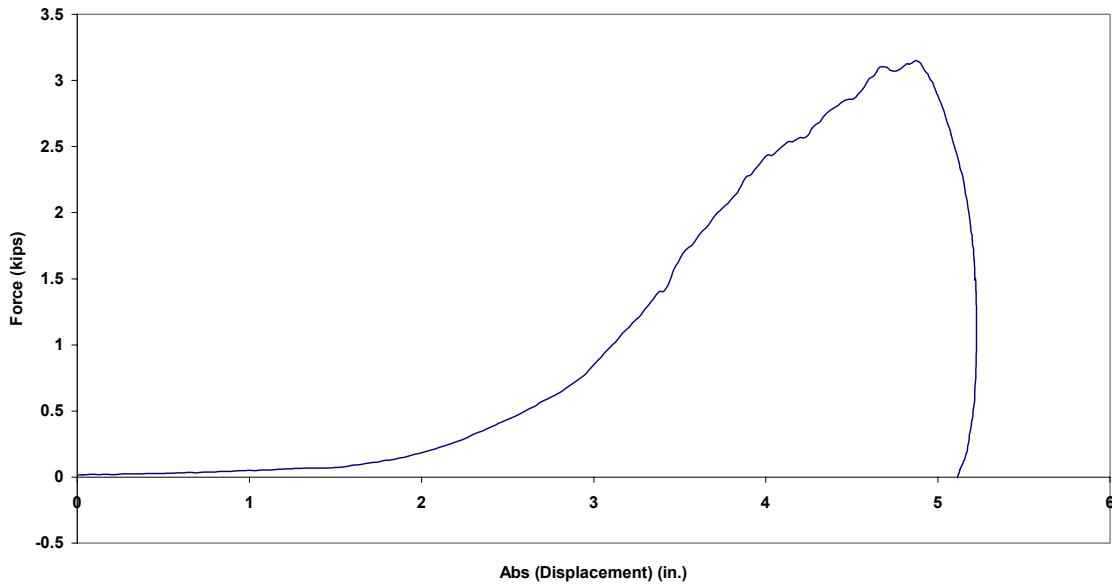


Figure B.152.4 Case 6L: Force vs. Absolute Displacement

Case 7L: Precycled 1/2 in. Tech 12 (85 lb from 70 in.)

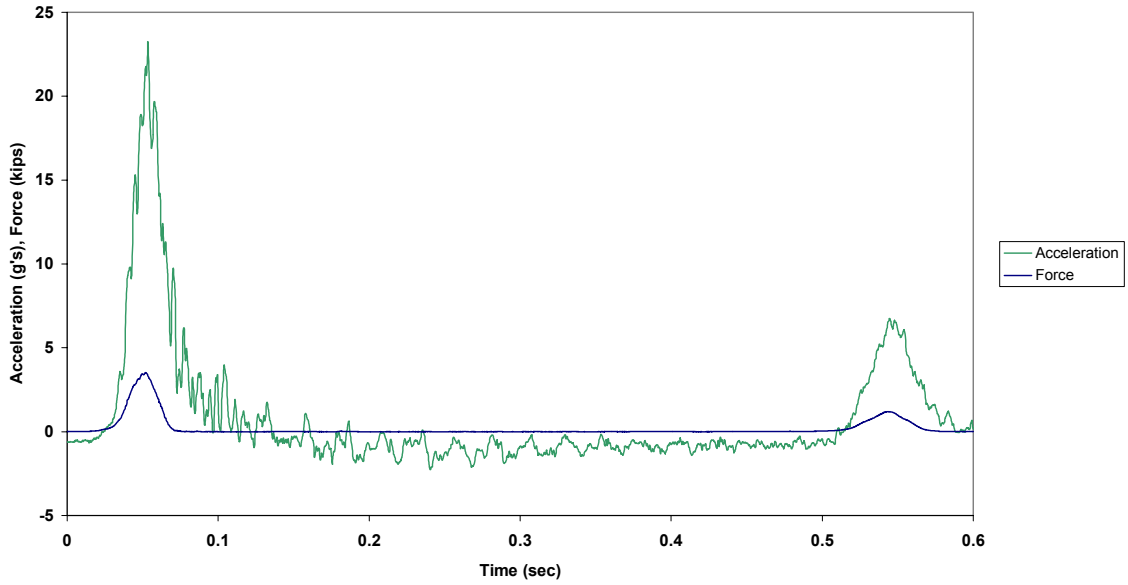


Figure B.153.1 Case 7L: Force and Acceleration vs. Time

Case 7L: Precycled 1/2 in. Tech 12 (85 lb from 70 in.)

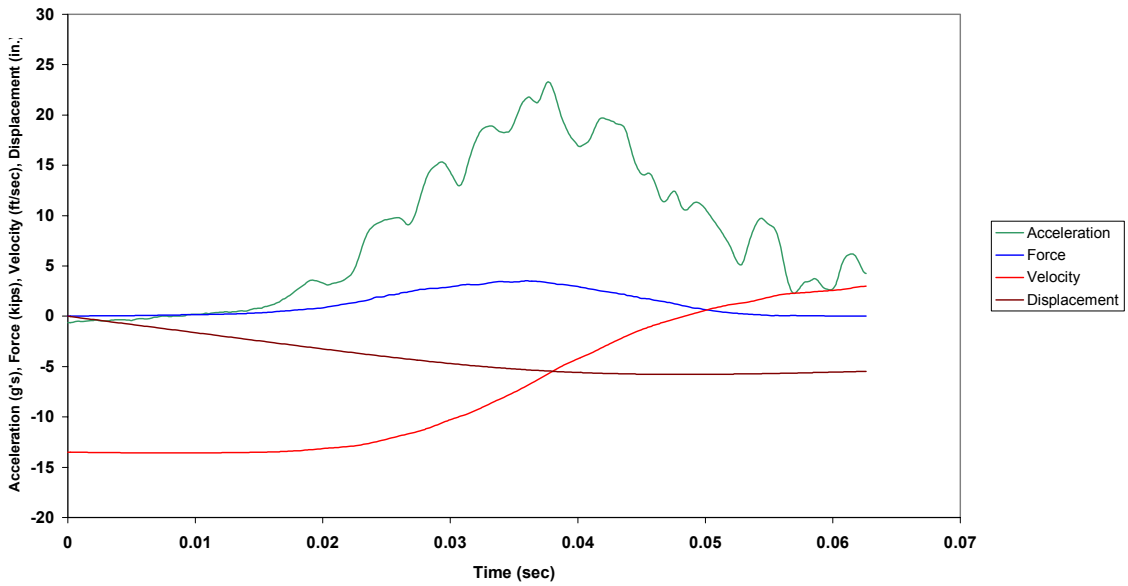


Figure B.153.2 Case 7L: Combined Plot

Case 7L: Precycled 1/2 in. Tech 12 (85 lb from 70 in.)

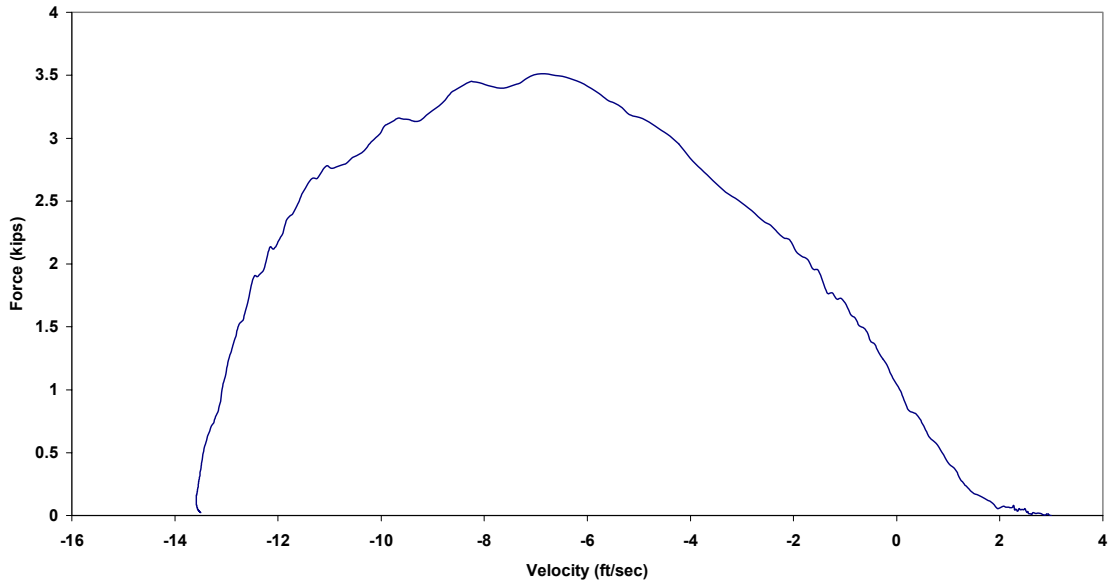


Figure B.153.3 Case 7L: Force vs. Velocity

Case 7L: Precycled 1/2 in. Tech 12 (85 lb from 70 in.)

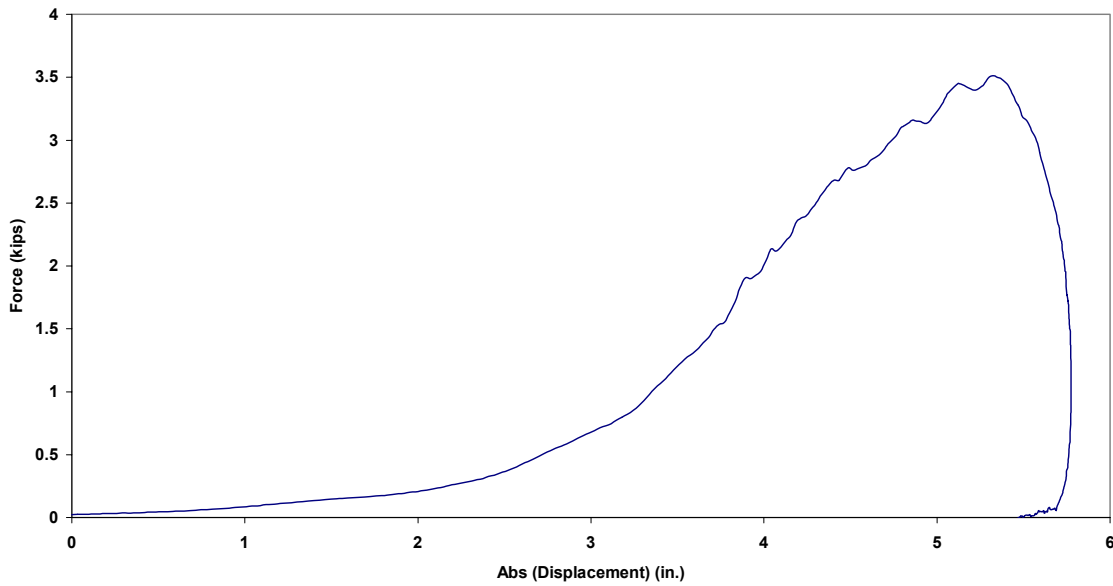


Figure B.153.4 Case 7L: Force vs. Absolute Displacement

Case 8L: Precycled 1/2 in. Tech 12 (85 lb from 82 in.)

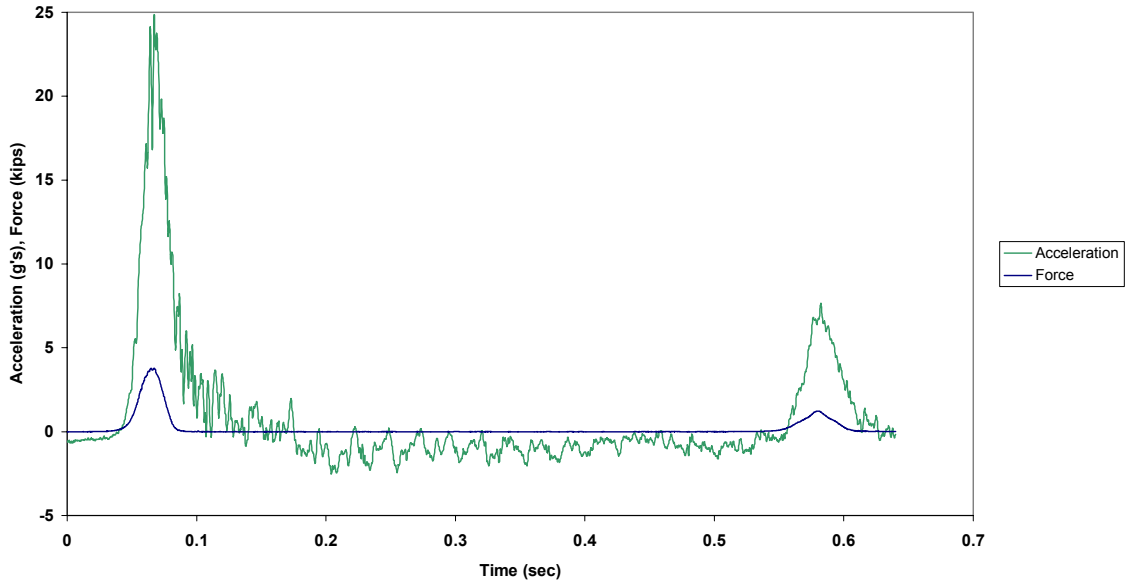


Figure B.154.1 Case 8L: Force and Acceleration vs. Time

Case 8L: Precycled 1/2 in. Tech 12 (85 lb from 82 in.)

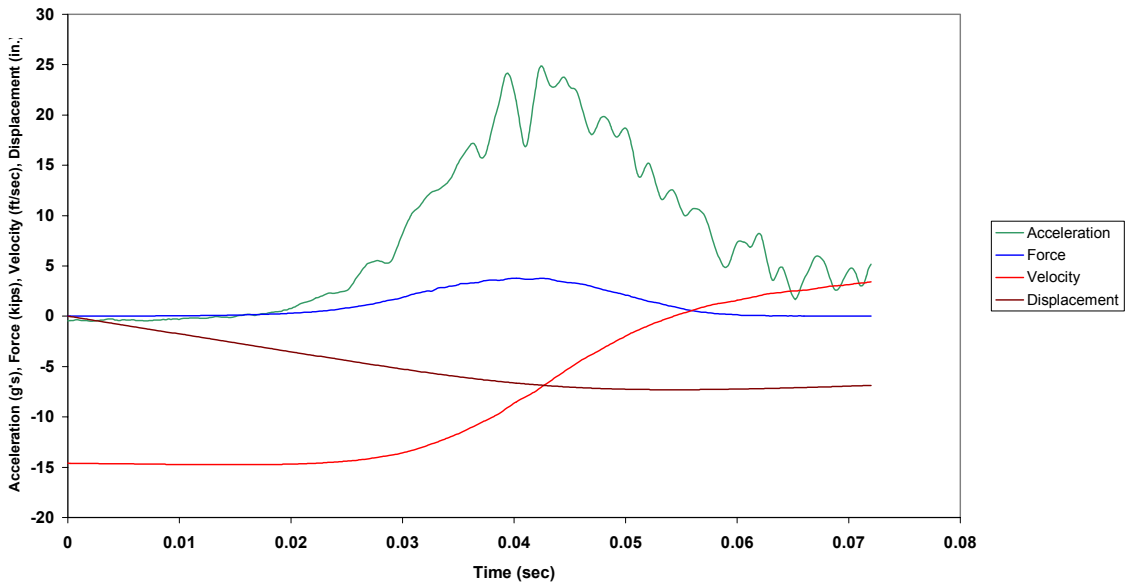


Figure B.154.2 Case 8L: Combined Plot

Case 8L: Precycled 1/2 in. Tech 12 (85 lb from 82 in.)

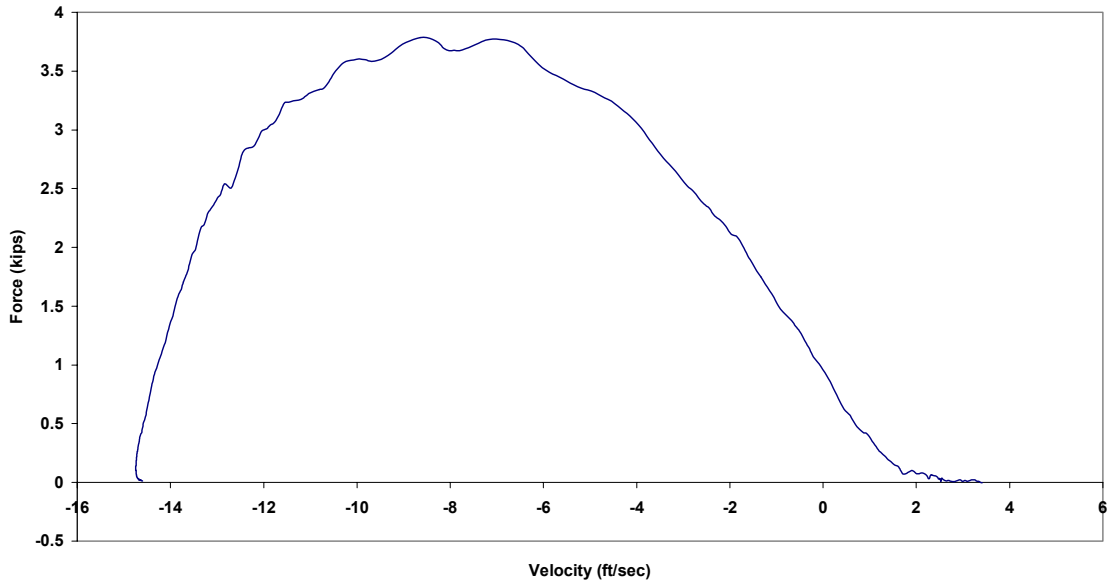


Figure B.154.3 Case 8L: Force vs. Velocity

Case 8L: Precycled 1/2 in. Tech 12 (85 lb from 82 in.)

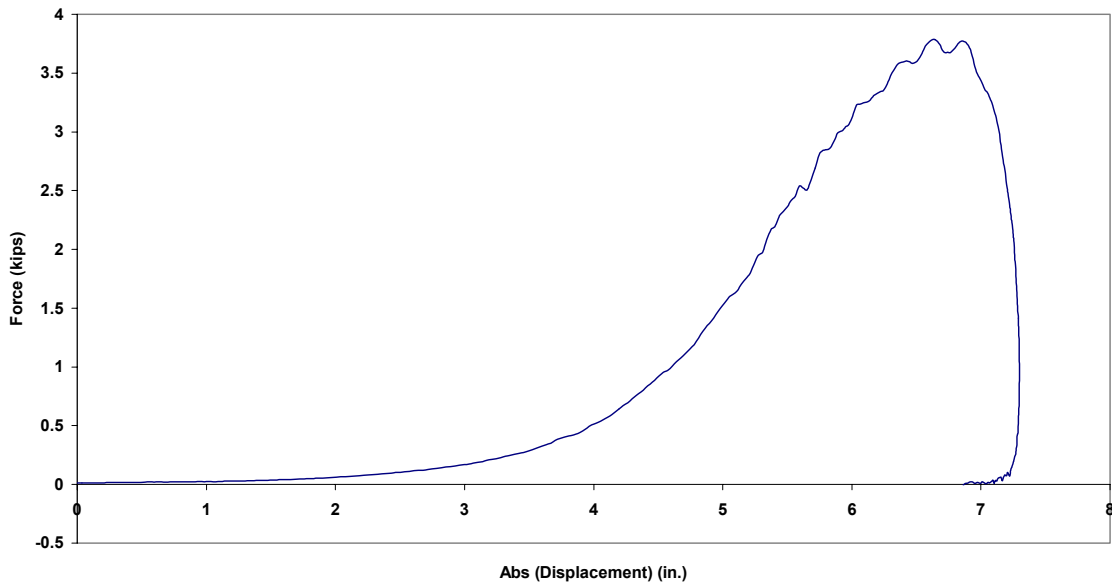


Figure B.154.4 Case 8L: Force vs. Absolute Displacement

Case 9L: Precycled 1/2 in. Tech 12 (85 lb from 94 in.)

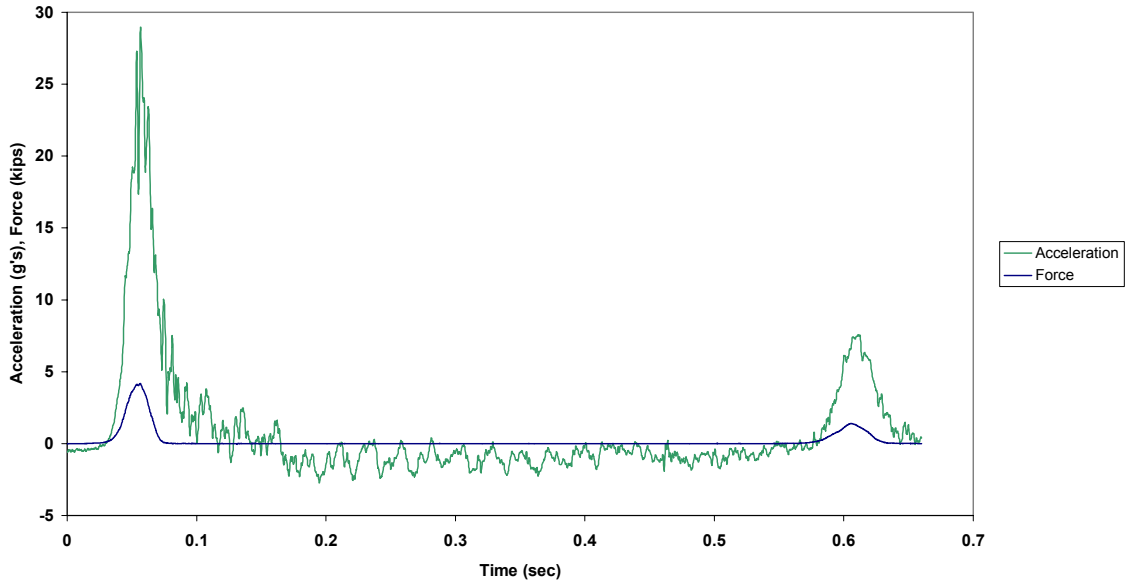


Figure B.155.1 Case 9L: Force and Acceleration vs. Time

Case 9L: Precycled 1/2 in. Tech 12 (85 lb from 94 in.)

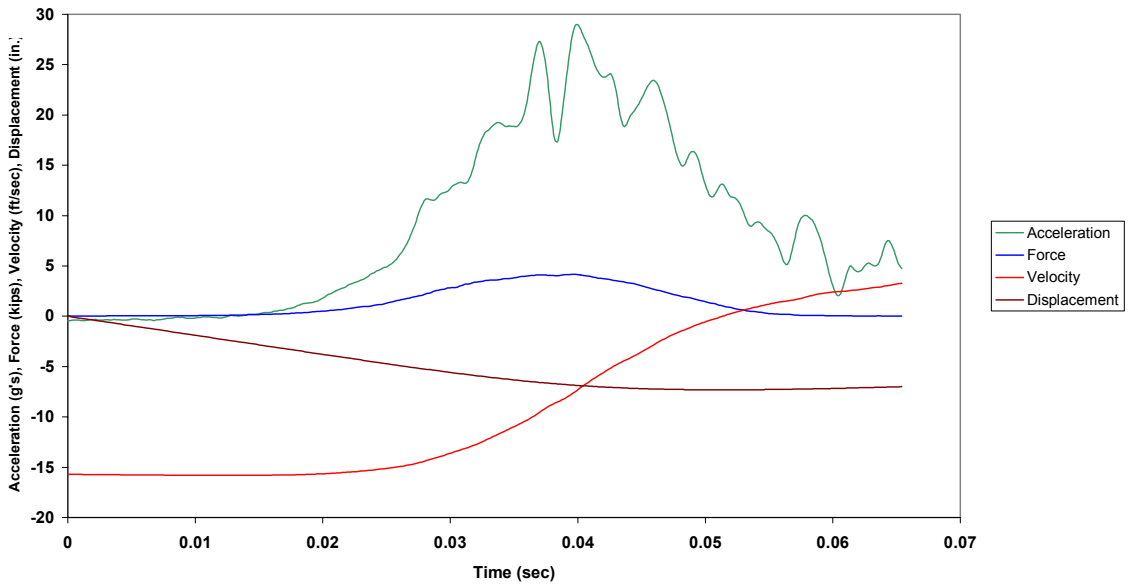


Figure B.155.2 Case 9L: Combined Plot

Case 9L: Precycled 1/2 in. Tech 12 (85 lb from 94 in.)

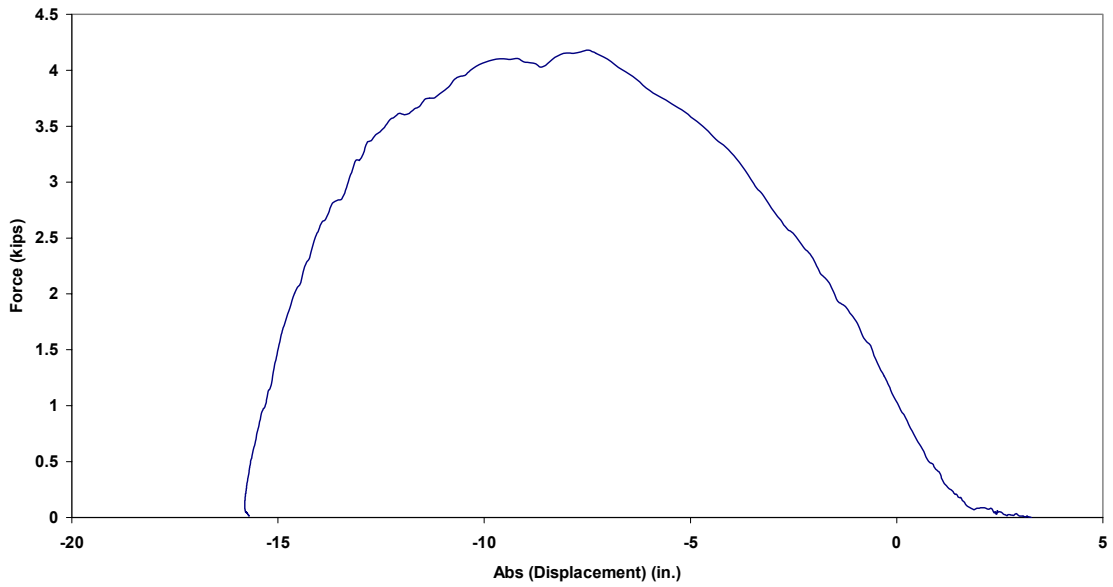


Figure B.155.3 Case 9L: Force vs. Velocity

Case 9L: Precycled 1/2 in. Tech 12 (85 lb from 94 in.)

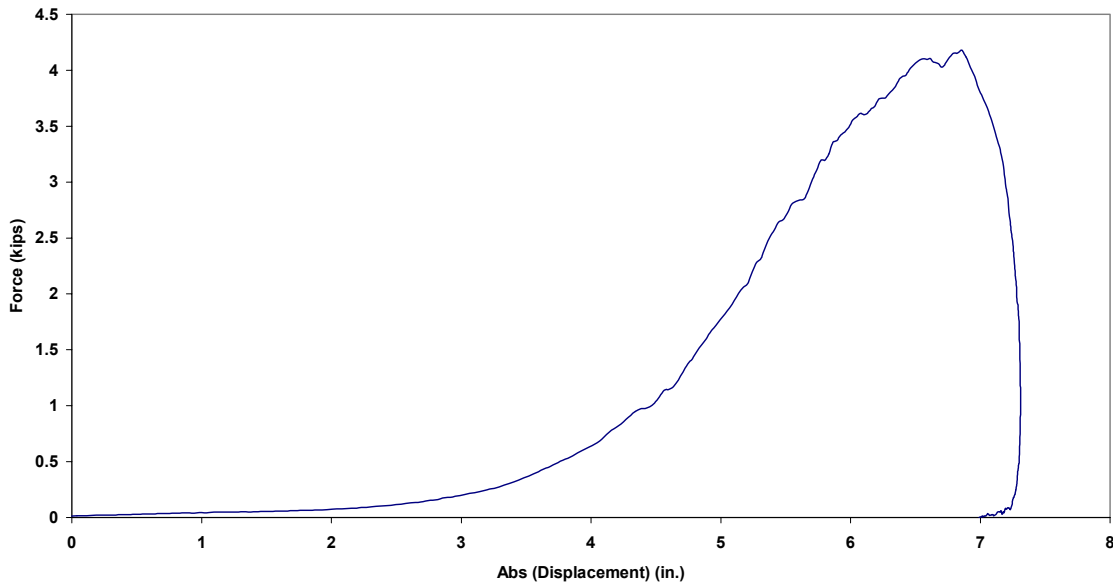


Figure B.155.4 Case 9L: Force vs. Absolute Displacement



Case 10L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

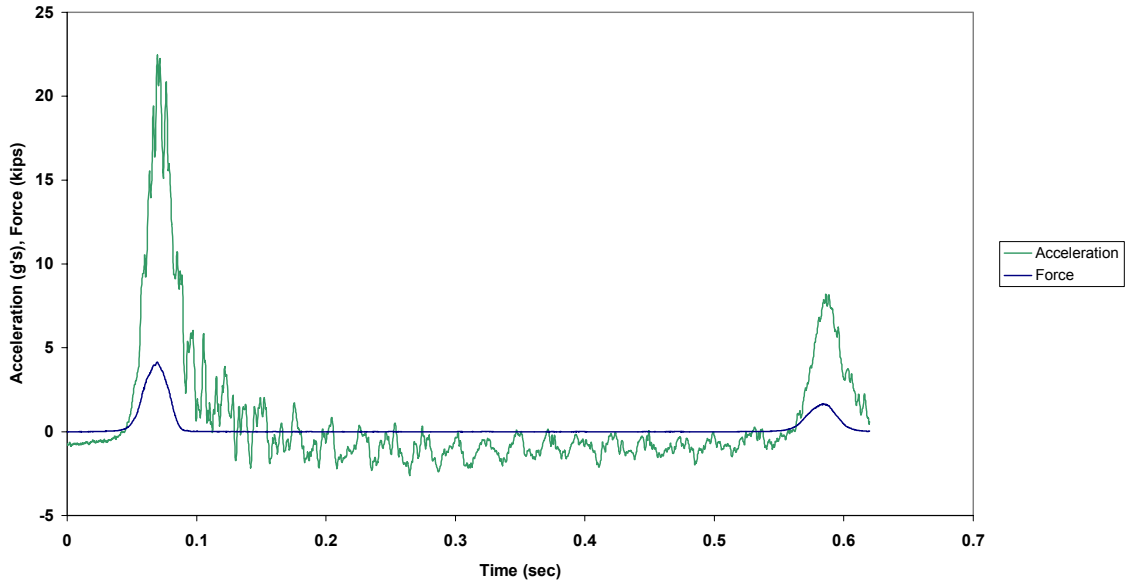


Figure B.156.1 Case 10L: Force and Acceleration vs. Time

Case 10L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

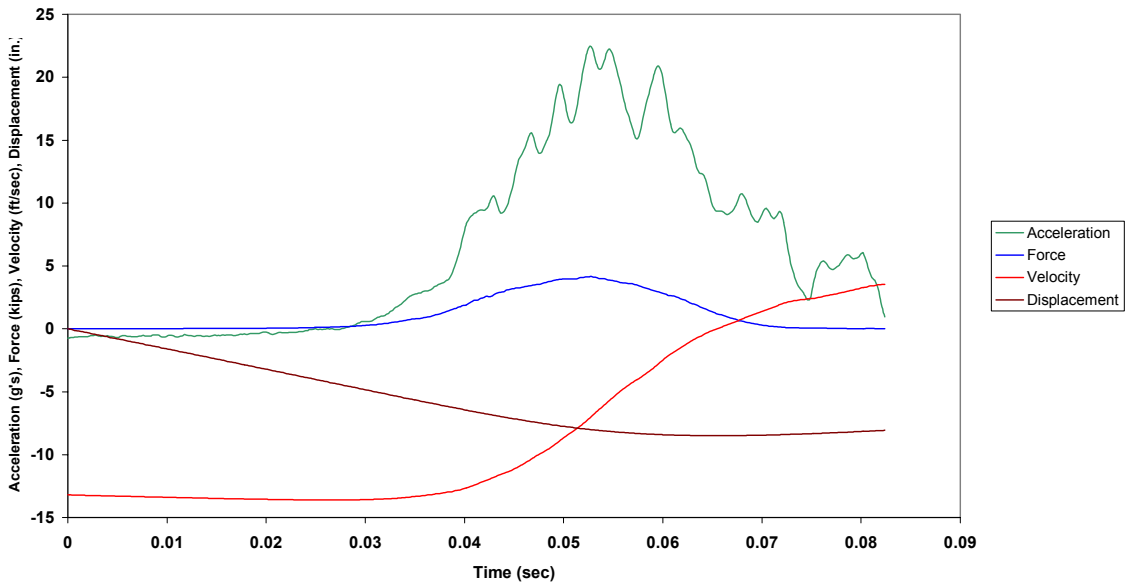


Figure B.156.2 Case 10L: Combined Plot

Case 10L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

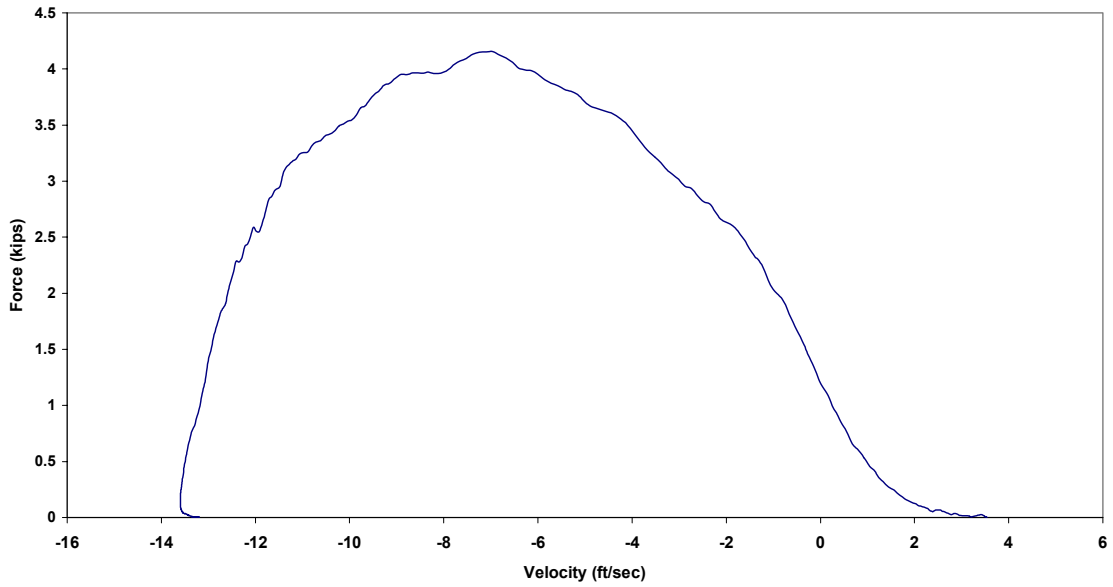


Figure B.156.3 Case 10L: Force vs. Velocity

Case 10L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

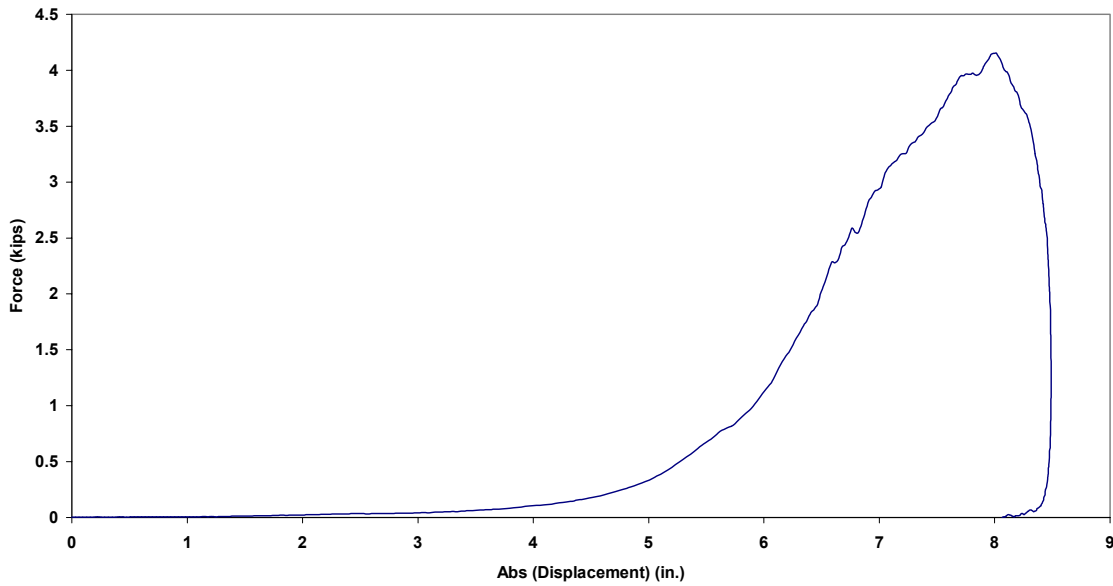


Figure B.156.4 Case 10L: Force vs. Absolute Displacement

Case 11L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

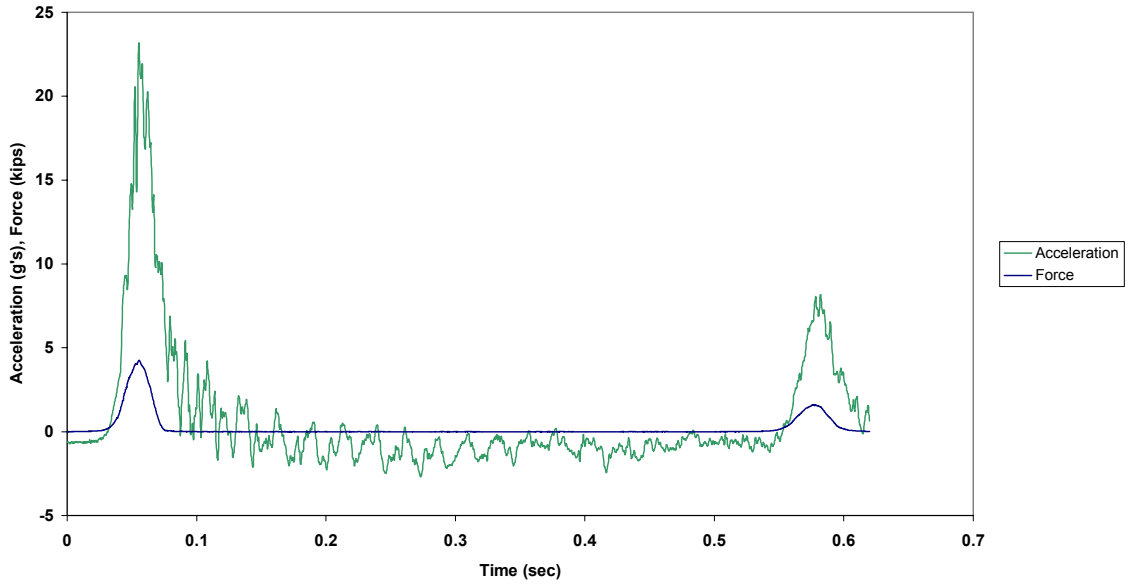


Figure B.157.1 Case 11L: Force and Acceleration vs. Time

Case 11L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

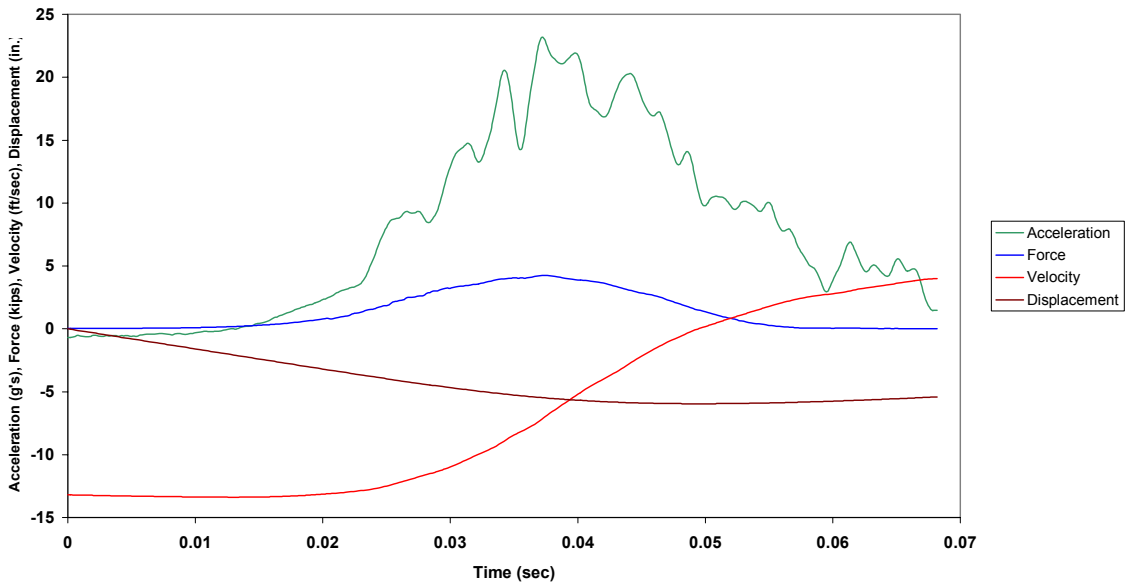


Figure B.157.2 Case 11L: Combined Plot

Case 11L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

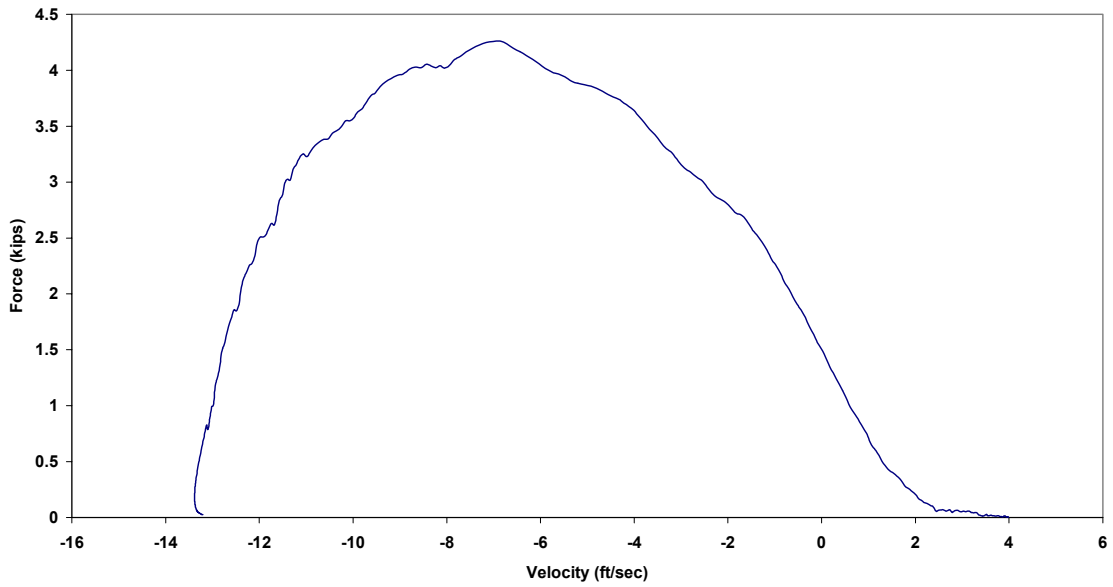


Figure B.157.3 Case 11L: Force vs. Velocity

Case 11L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

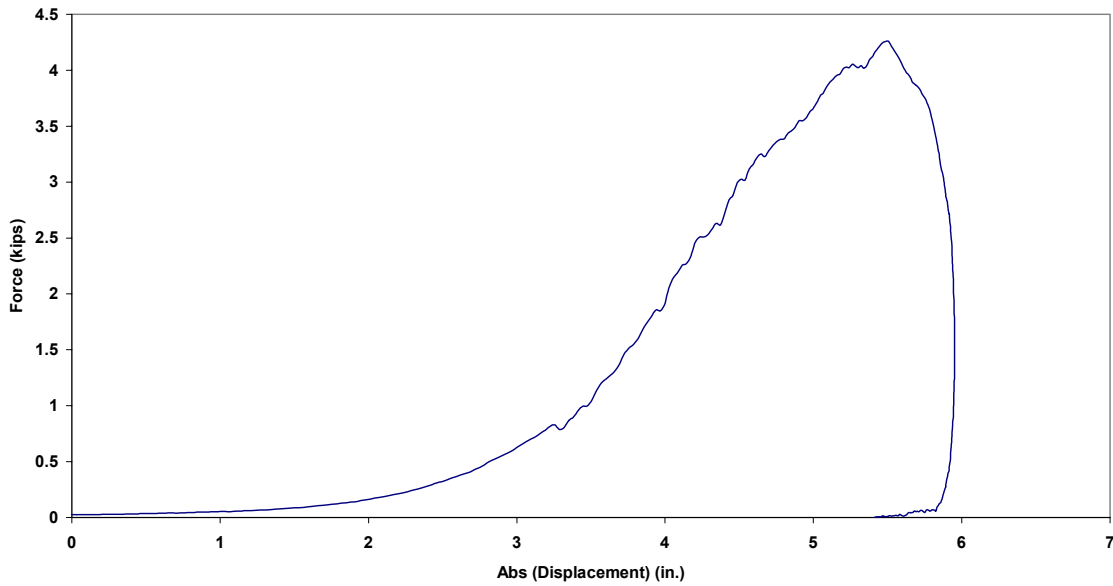


Figure B.157.4 Case 11L: Force vs. Absolute Displacement

Case 12L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

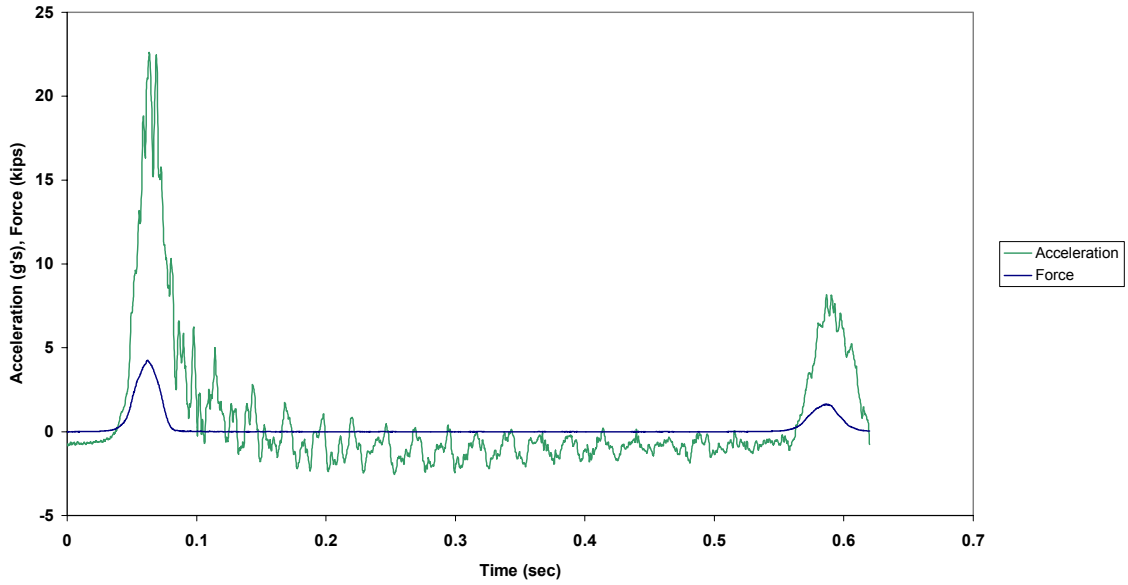


Figure B.158.1 Case 12L: Force and Acceleration vs. Time

Case 12L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

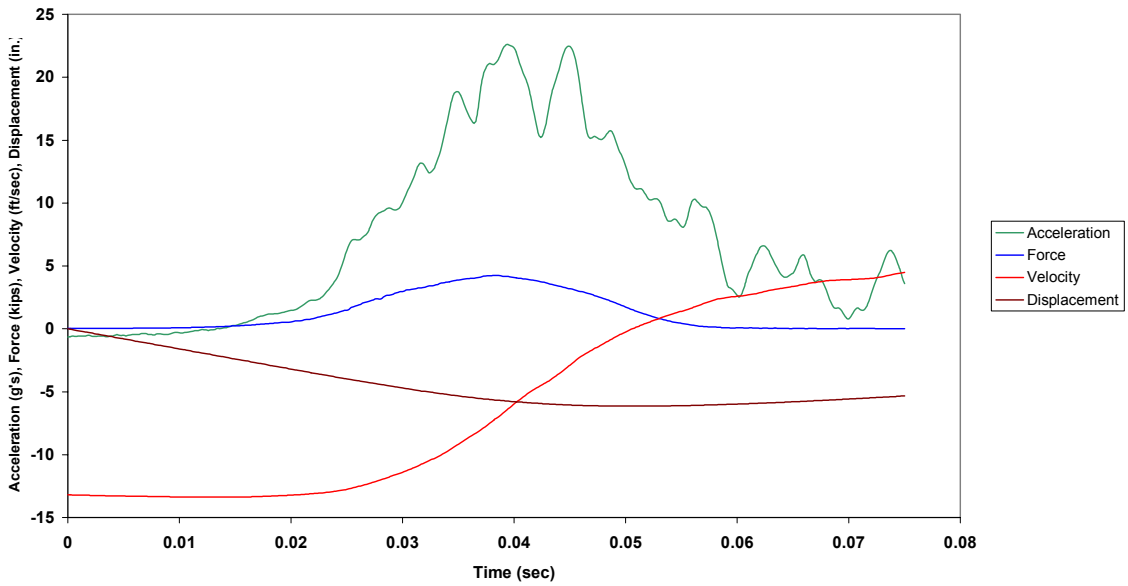


Figure B.158.2 Case 12L: Combined Plot

Case 12L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

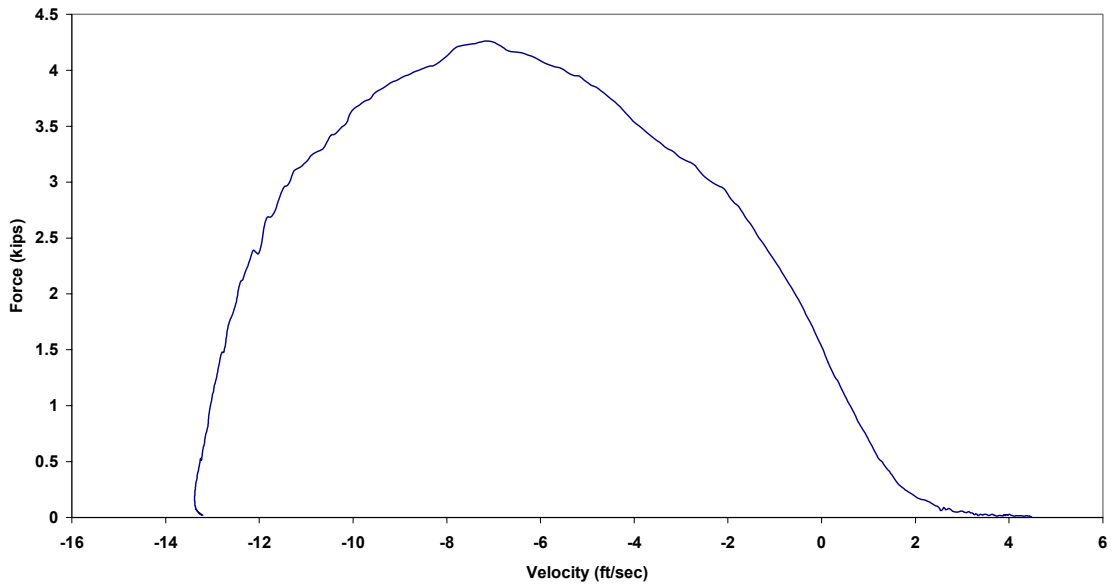


Figure B.158.3 Case 12L: Force vs. Velocity

Case 12L: Precycled 1/2 in. Tech 12 (105 lb from 58 in.)

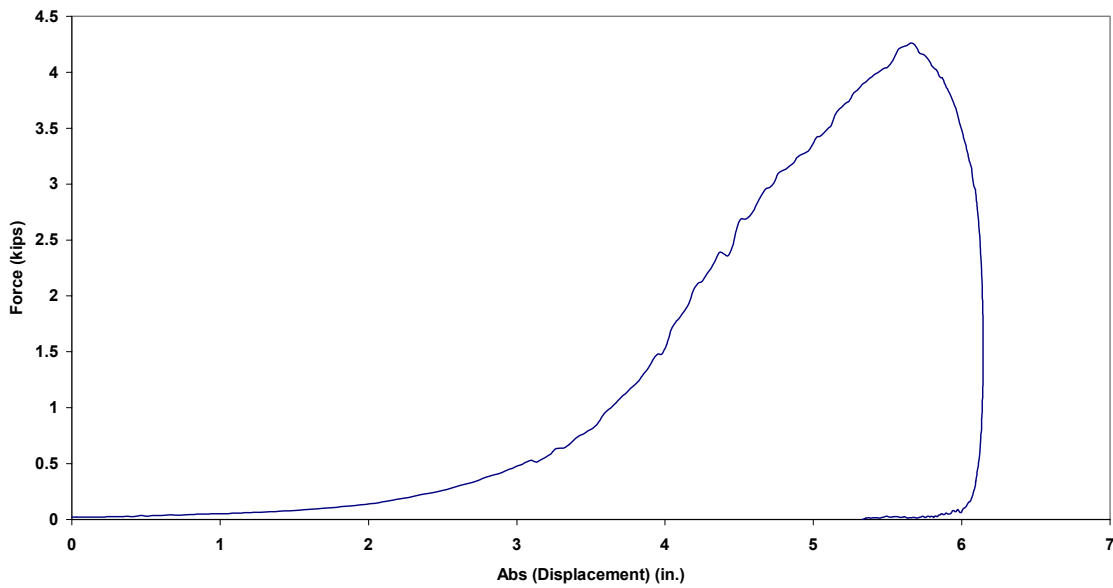


Figure B.158.4 Case 12L: Force vs. Absolute Displacement

Case 1M: New 3/8 in. Tech 12 (65 lb from 56 in.)

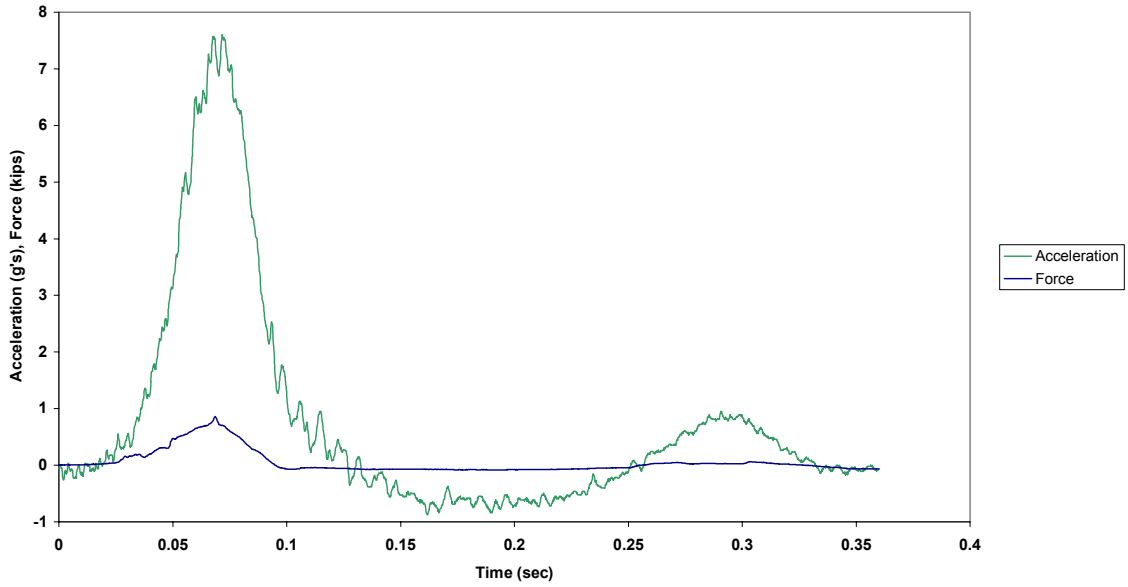


Figure B.159.1 Case 1M: Force and Acceleration vs. Time

Case 1M: New 3/8 in. Tech 12 (65 lb from 56 in.)

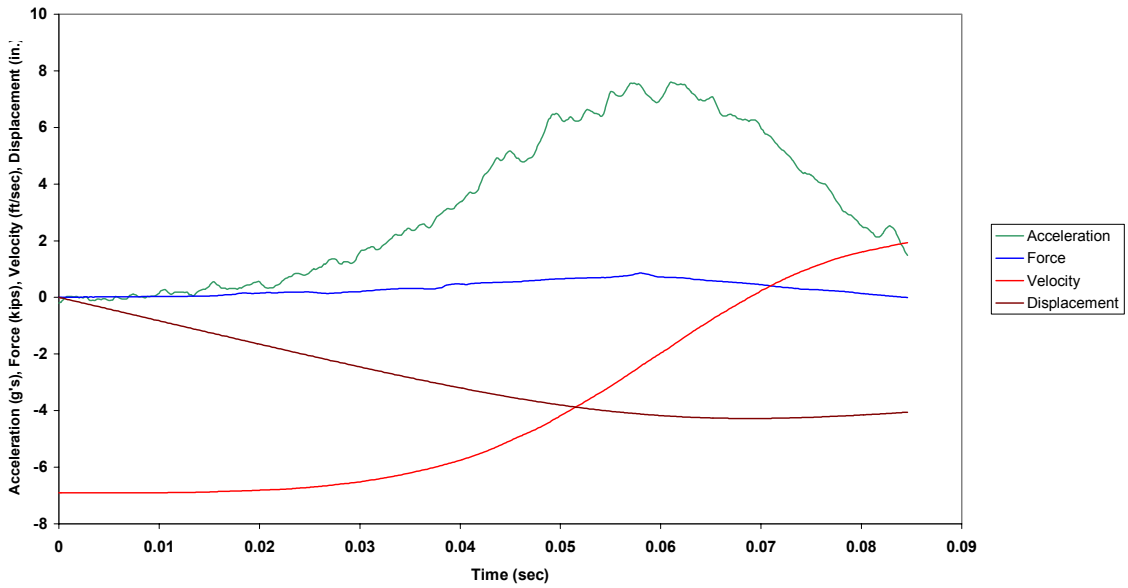


Figure B.159.2 Case 1M: Combined Plot

Case 1M: New 3/8 in. Tech 12 (65 lb from 56 in.)

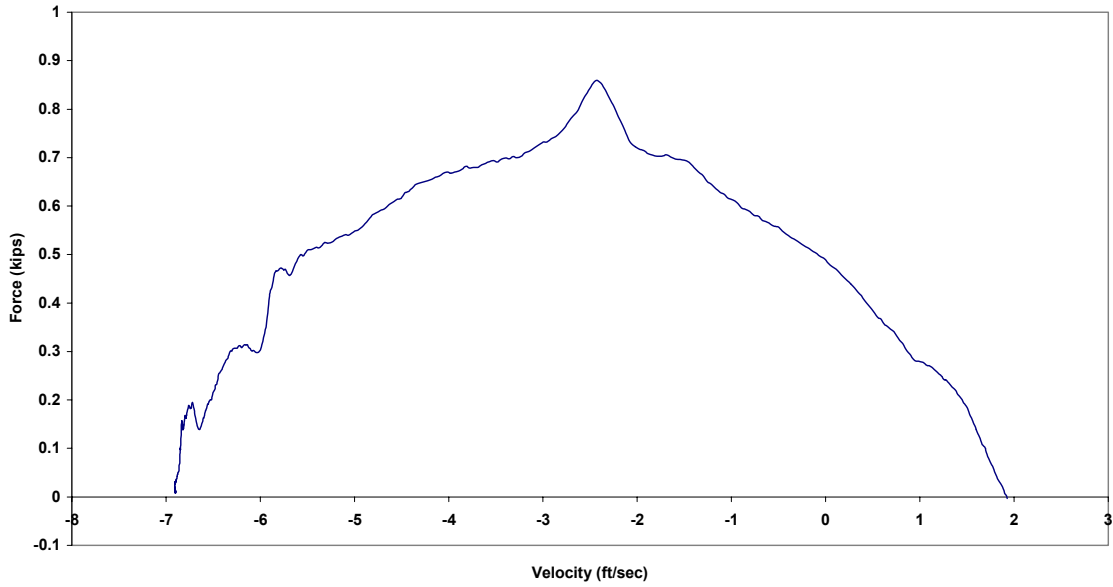


Figure B.159.3 Case 1M: Force vs. Velocity

Case 1M: New 3/8 in. Tech 12 (65 lb from 56 in.)

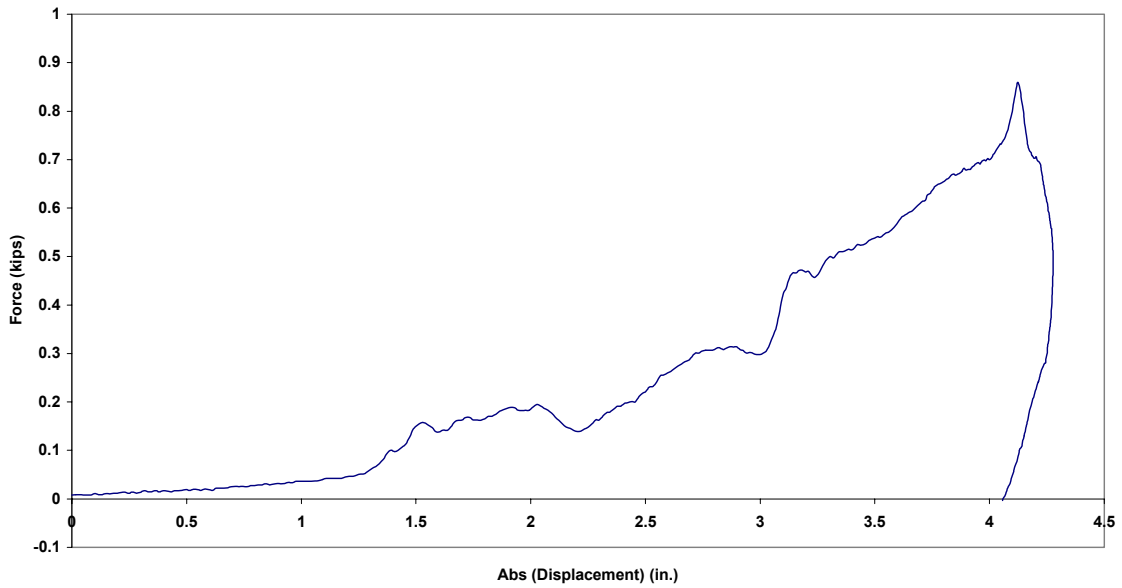


Figure B.159.4 Case 1M: Force vs. Absolute Displacement



Case 2M: New 3/8 in. Tech 12 (65 lb from 68 in.)

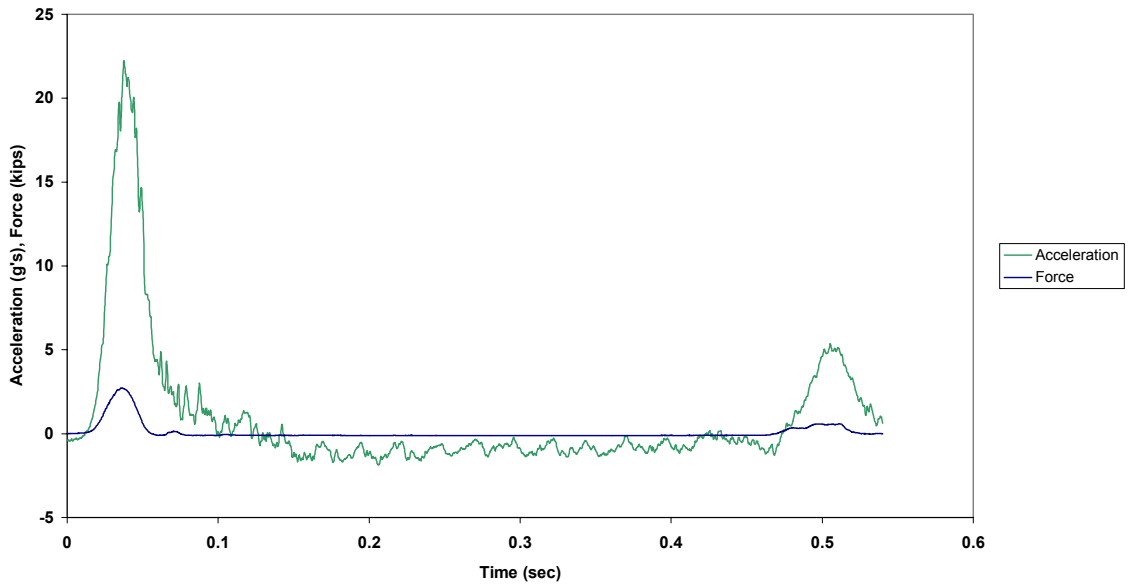


Figure B.160.1 Case 2M: Force and Acceleration vs. Time

Case 2M: New 3/8 in. Tech 12 (65 lb from 68 in.)

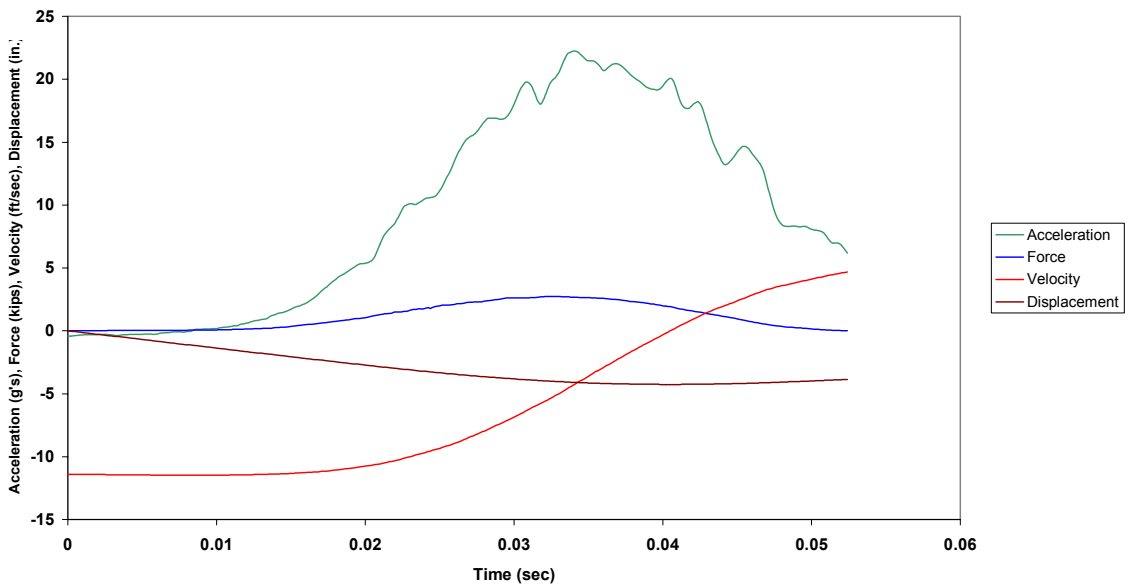


Figure B.160.2 Case 2M: Combined Plot

Case 2M: New 3/8 in. Tech 12 (65 lb from 68 in.)

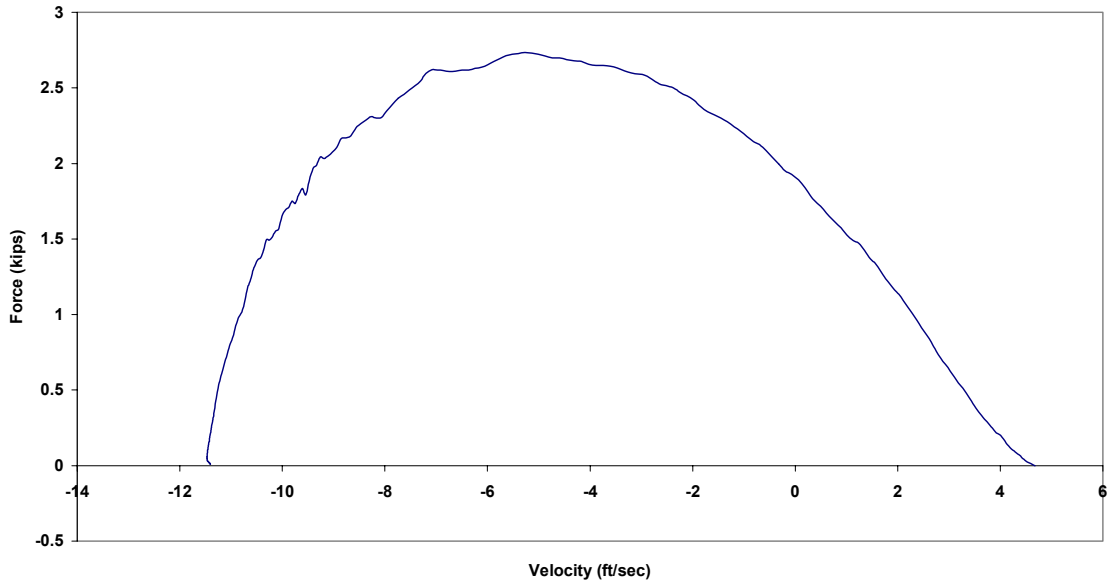


Figure B.160.3 Case 2M: Force vs. Velocity

Case 2M: New 3/8 in. Tech 12 (65 lb from 68 in.)

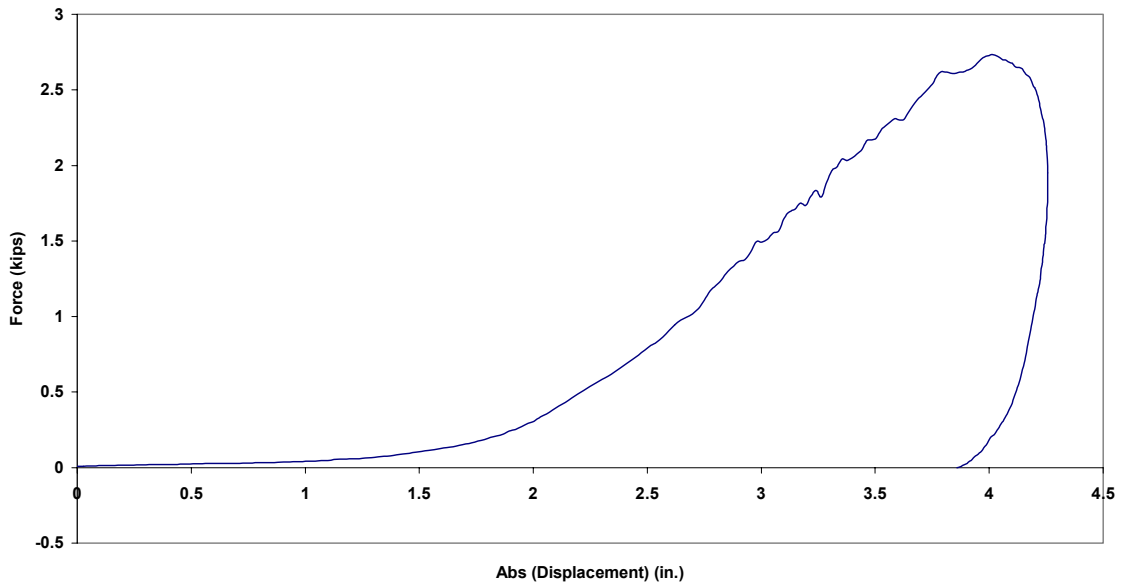


Figure B.160.4 Case 2M: Force vs. Absolute Displacement

Case 3M: New 3/8 in. Tech 12 (65 lb from 80 in.)

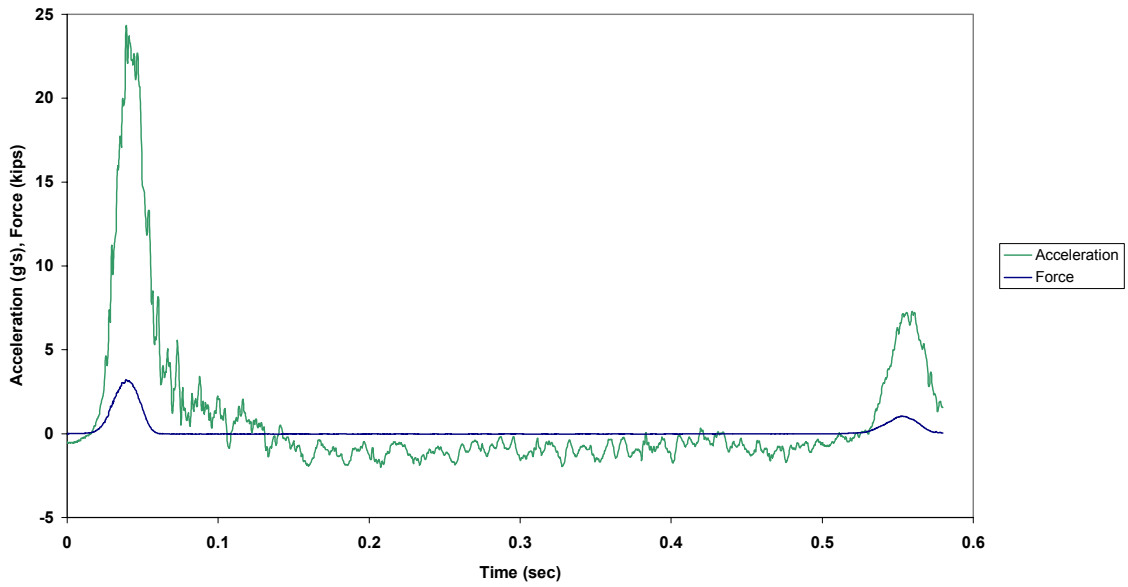


Figure B.161.1 Case 3M: Force and Acceleration vs. Time

Case 3M: New 3/8 in. Tech 12 (65 lb from 80 in.)

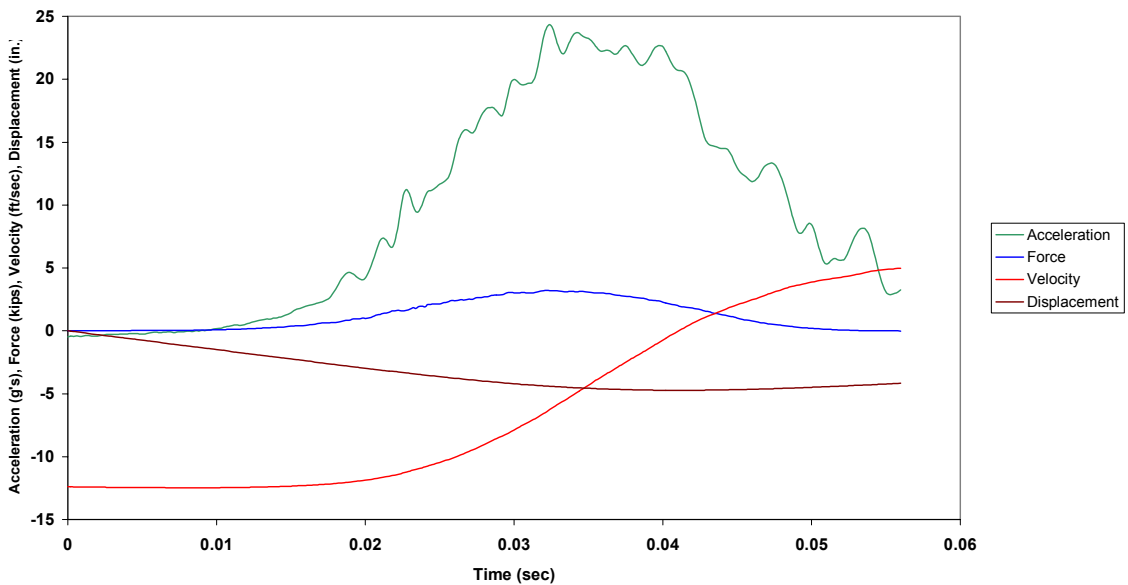


Figure B.161.2 Case 3M: Combined Plot

Case 3M: New 3/8 in. Tech 12 (65 lb from 80 in.)

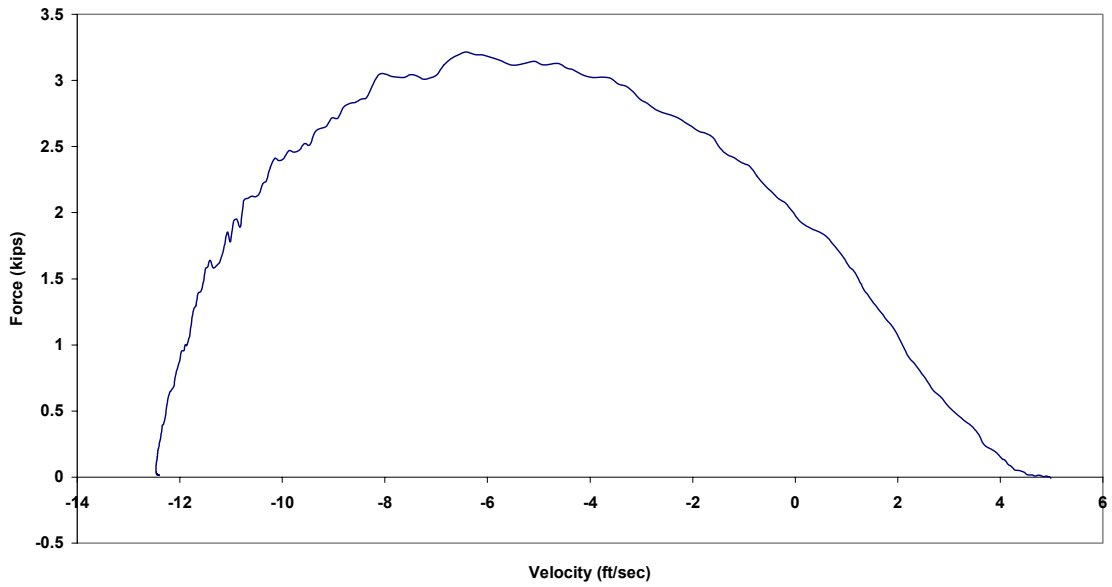


Figure B.161.3 Case 3M: Force vs. Velocity

Case 3M: New 3/8 in. Tech 12 (65 lb from 80 in.)

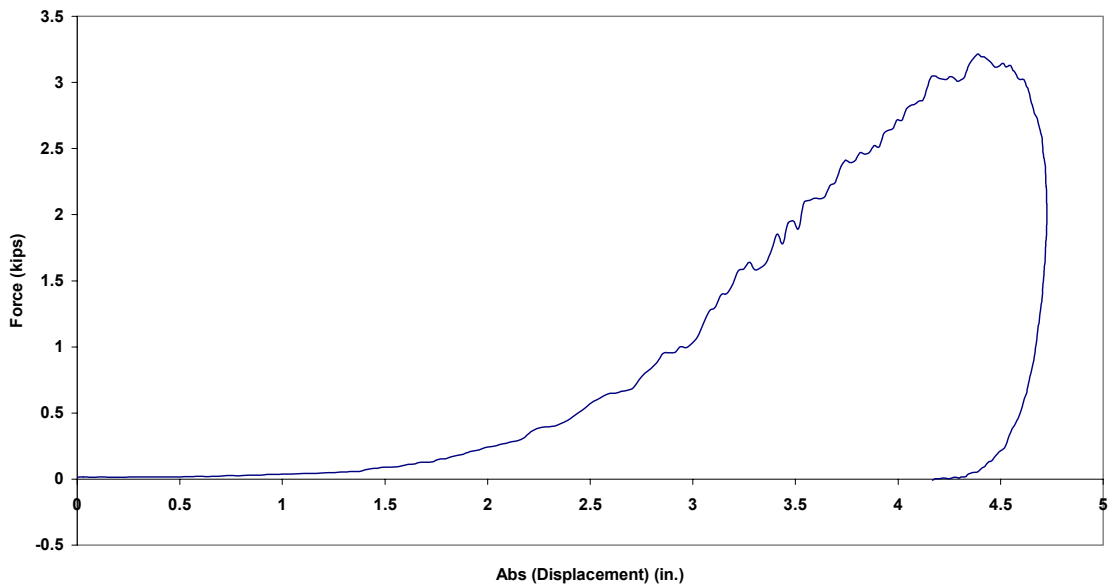


Figure B.161.4 Case 3M: Force vs. Absolute Displacement

Case 4M: New 3/8 in. Tech 12 (65 lb from 92 in.)

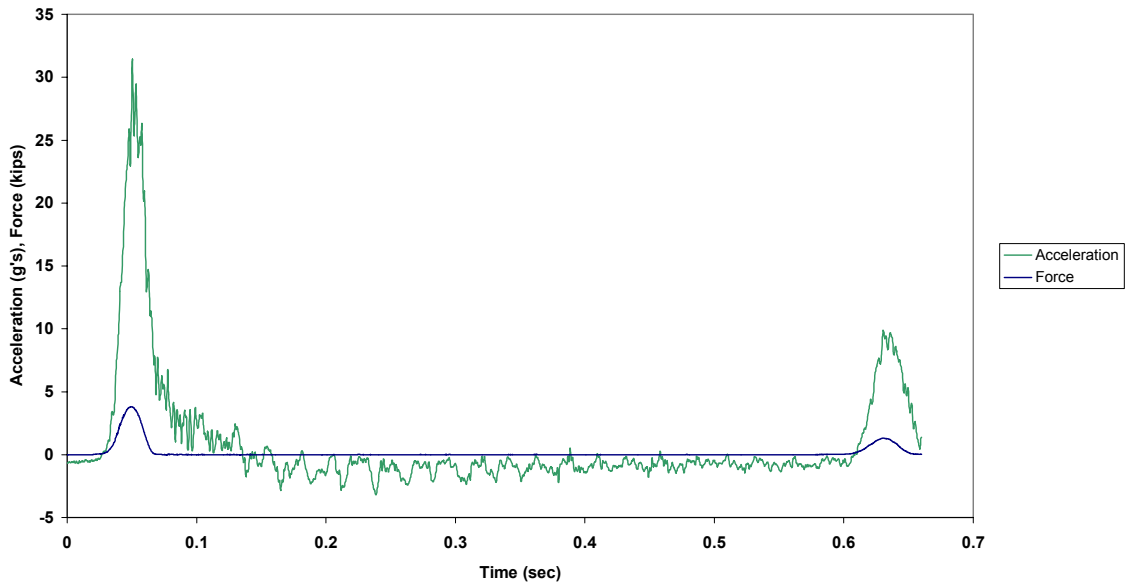


Figure B.162.1 Case 4M: Force and Acceleration vs. Time

Case 4M: New 3/8 in. Tech 12 (65 lb from 92 in.)

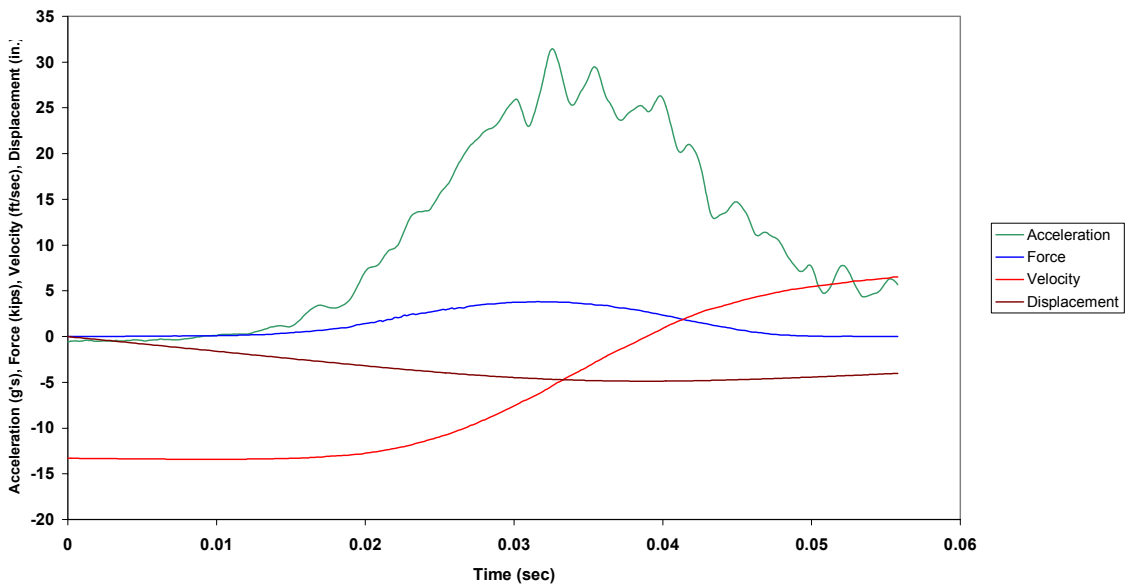


Figure B.162.2 Case 4M: Combined Plot

Case 4M: New 3/8 in. Tech 12 (65 lb from 92 in.)

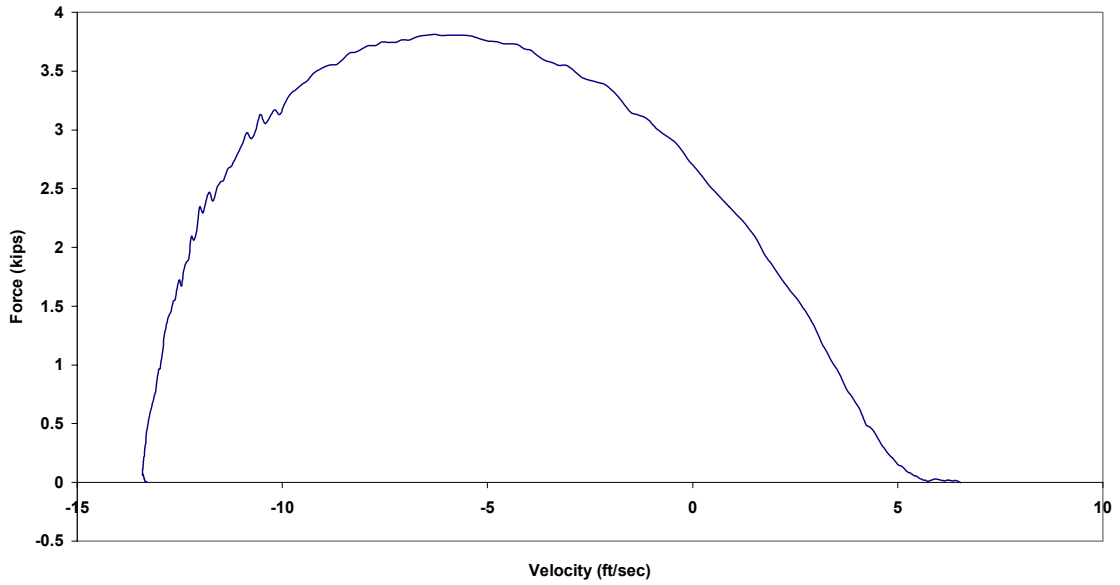


Figure B.162.3 Case 4M: Force vs. Velocity

Case 4M: New 3/8 in. Tech 12 (65 lb from 92 in.)

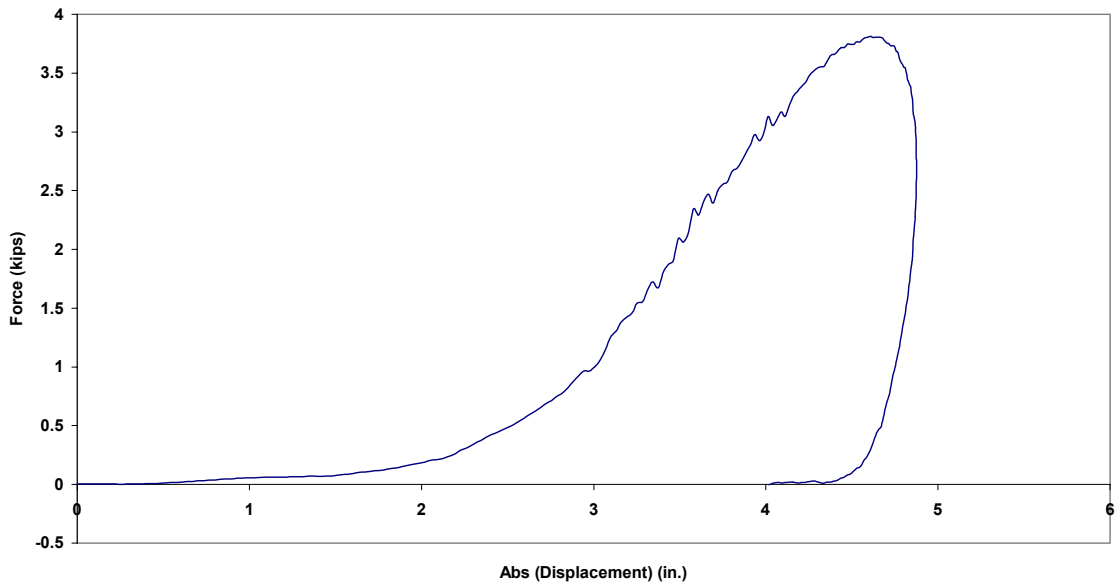


Figure B.162.4 Case 4M: Force vs. Absolute Displacement

Case 5M: New 3/8 in. Tech 12 (85 lb from 59 in.)

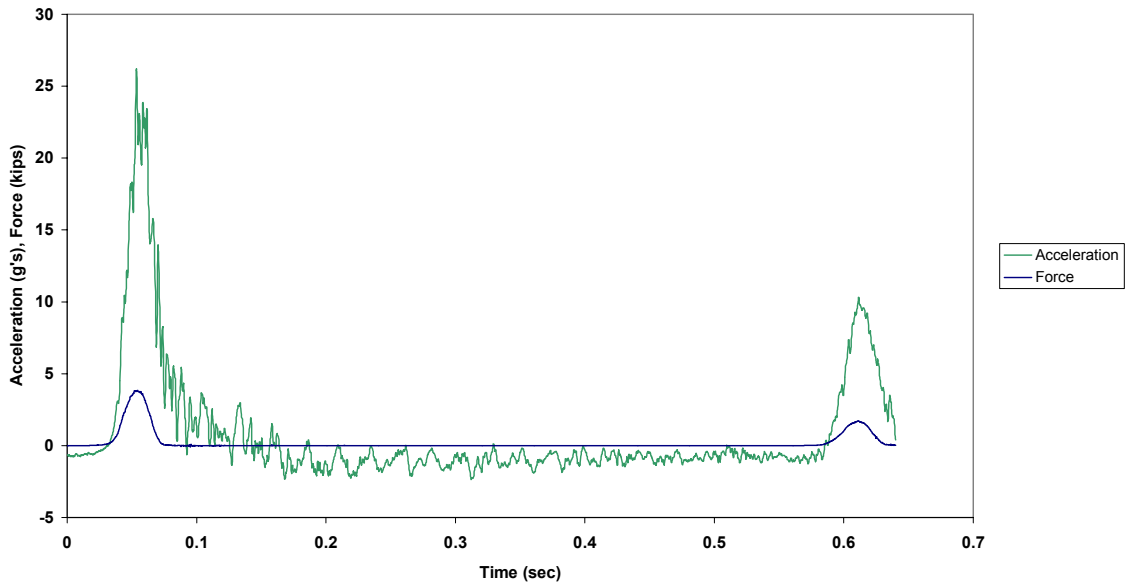


Figure B.163.1 Case 5M: Force and Acceleration vs. Time

Case 5M: New 3/8 in. Tech 12 (85 lb from 59 in.)

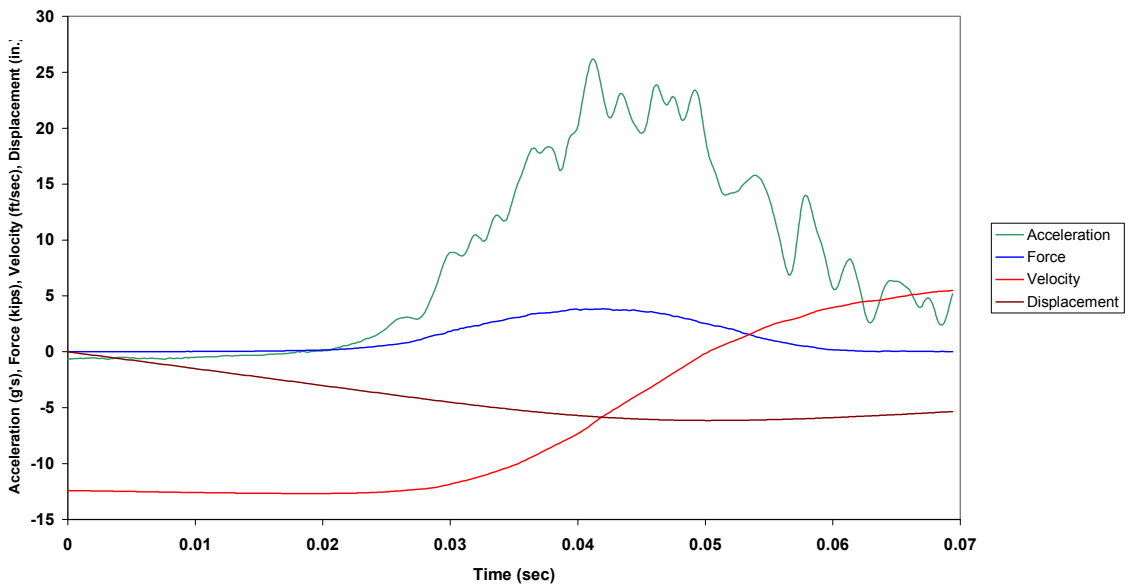


Figure B.163.2 Case 5M: Combined Plot

Case 5M: New 3/8 in. Tech 12 (85 lb from 59 in.)

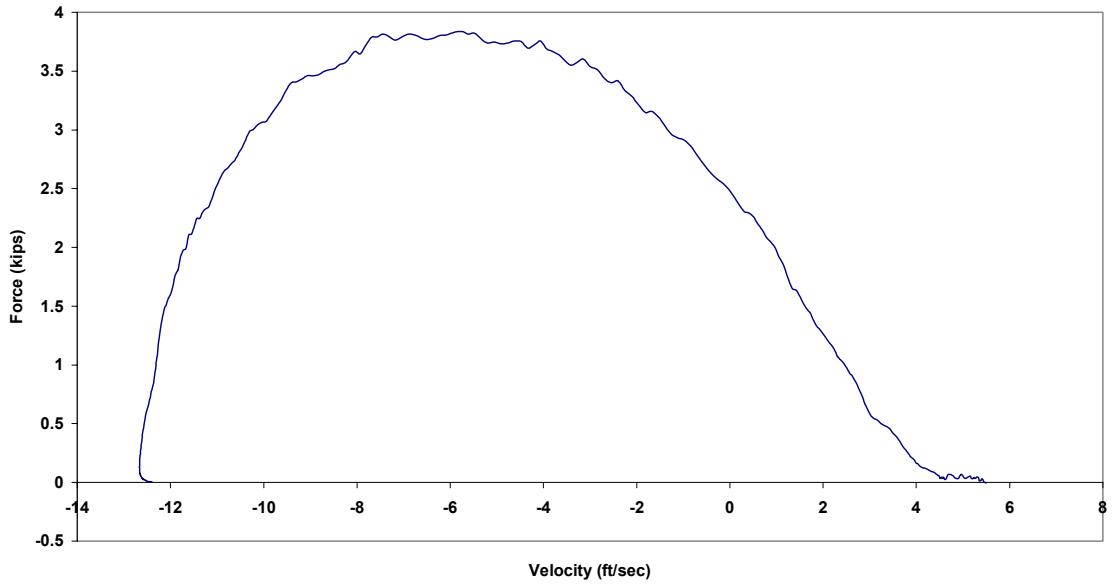


Figure B.163.3 Case 5M: Force vs. Velocity

Case 5M: New 3/8 in. Tech 12 (85 lb from 59 in.)

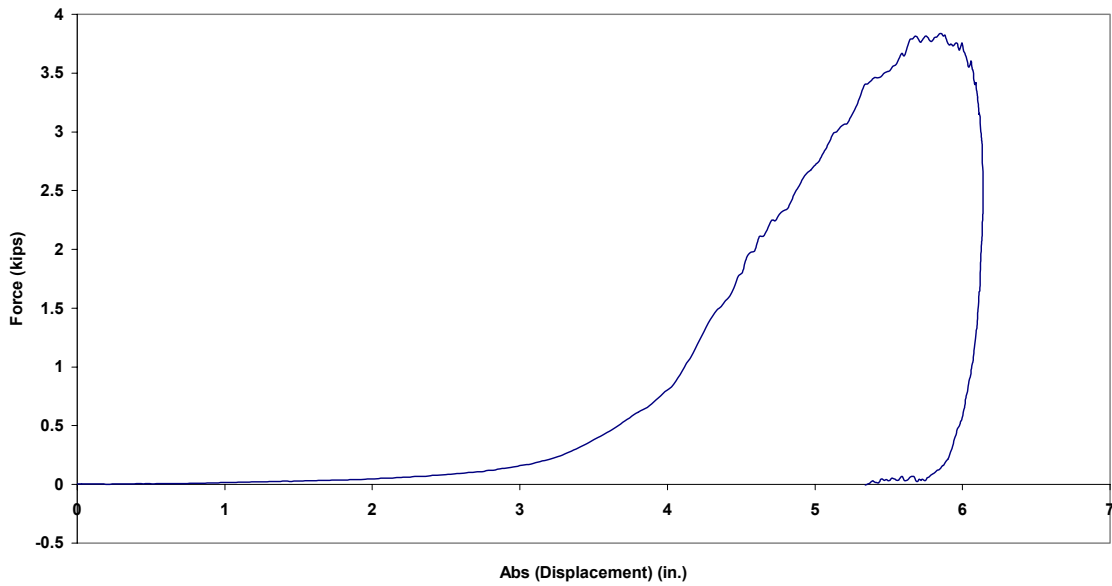


Figure B.163.4 Case 5M: Force vs. Absolute Displacement



Case 6M: New 3/8 in. Tech 12 (85 lb from 71 in.)

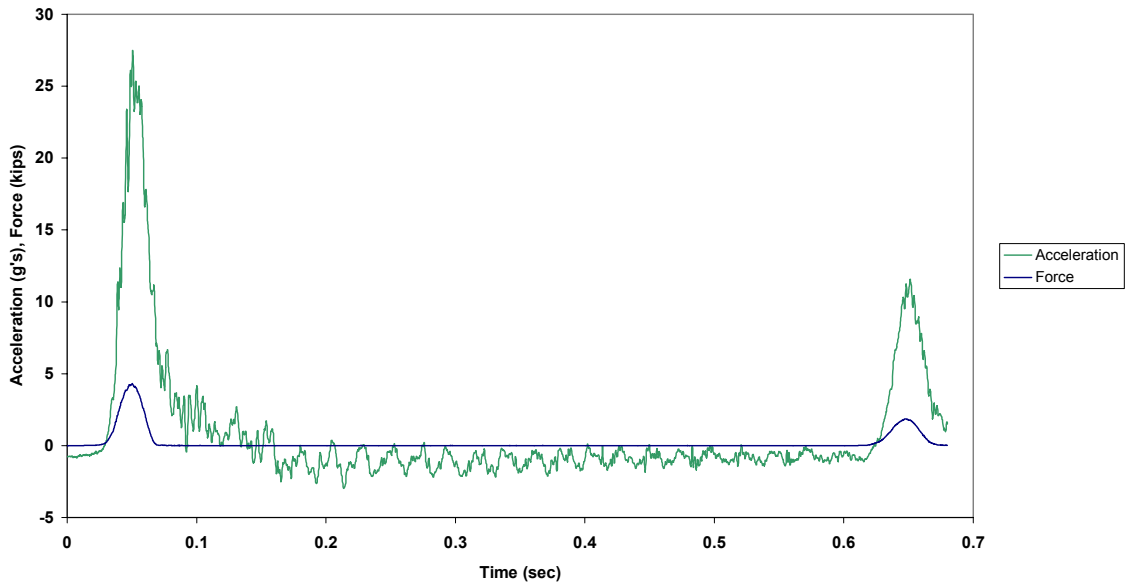


Figure B.164.1 Case 6M: Force and Acceleration vs. Time

Case 6M: New 3/8 in. Tech 12 (85 lb from 71 in.)

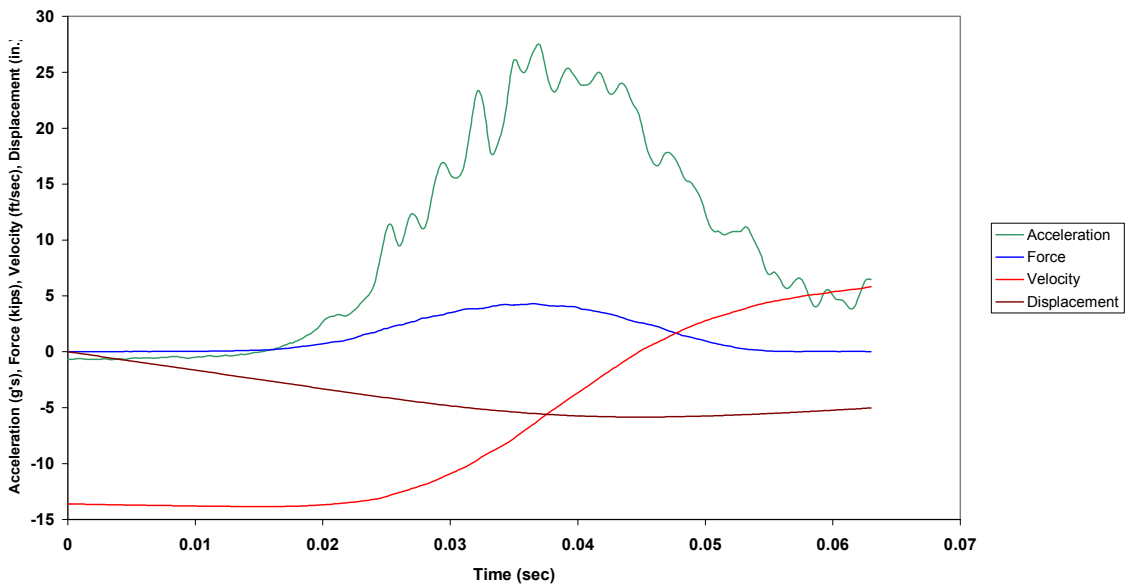


Figure B.164.2 Case 6M: Combined Plot

Case 6M: New 3/8 in. Tech 12 (85 lb from 71 in.)

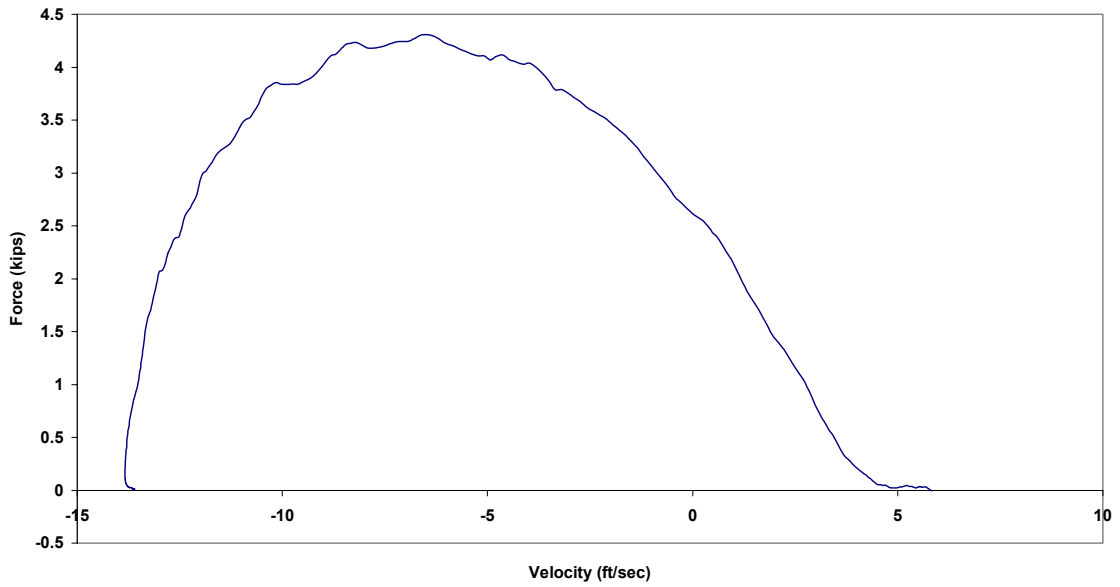


Figure B.164.3 Case 6M: Force vs. Velocity

Case 6M: New 3/8 in. Tech 12 (85 lb from 71 in.)

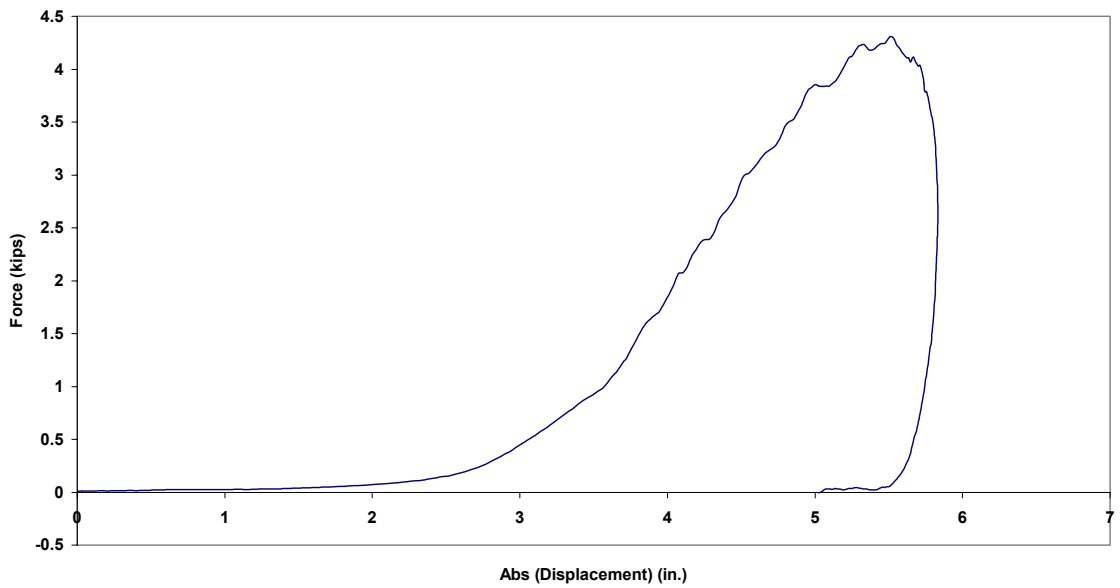


Figure B.164.4 Case 6M: Force vs. Absolute Displacement

Case 7M: New 3/8 in. Tech 12 (85 lb from 83 in.)

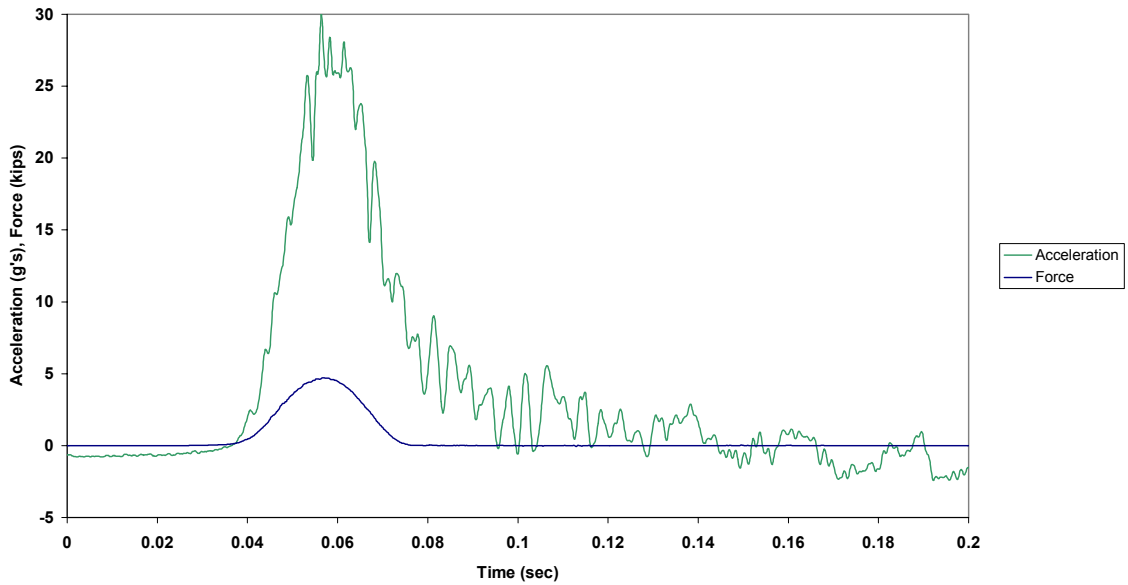


Figure B.165.1 Case 7M: Force and Acceleration vs. Time

Case 7M: New 3/8 in. Tech 12 (85 lb from 83 in.)

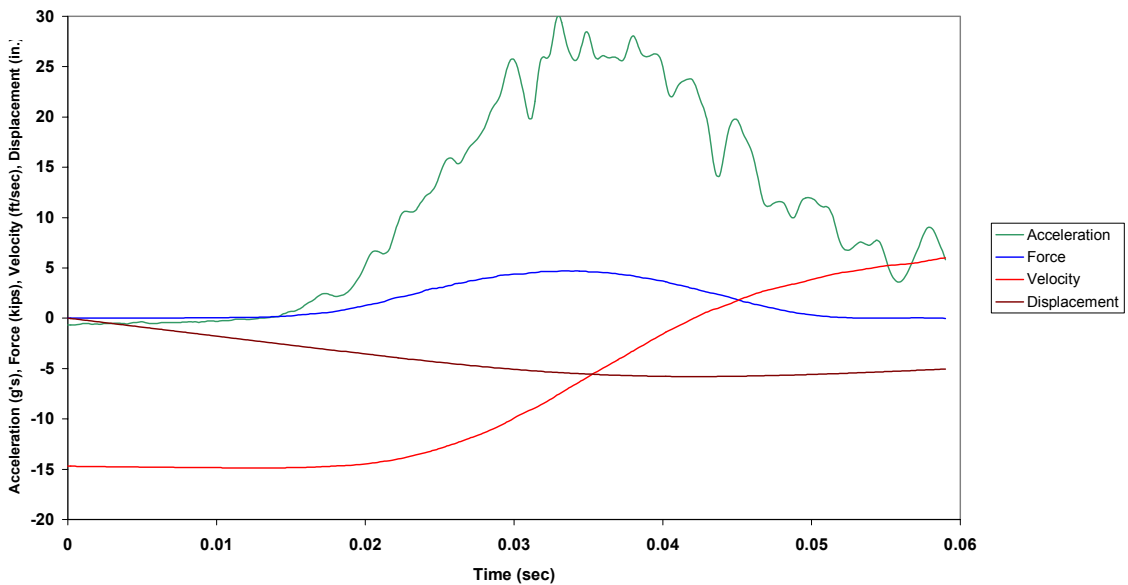


Figure B.165.2 Case 7M: Combined Plot

Case 7M: New 3/8 in. Tech 12 (85 lb from 83 in.)

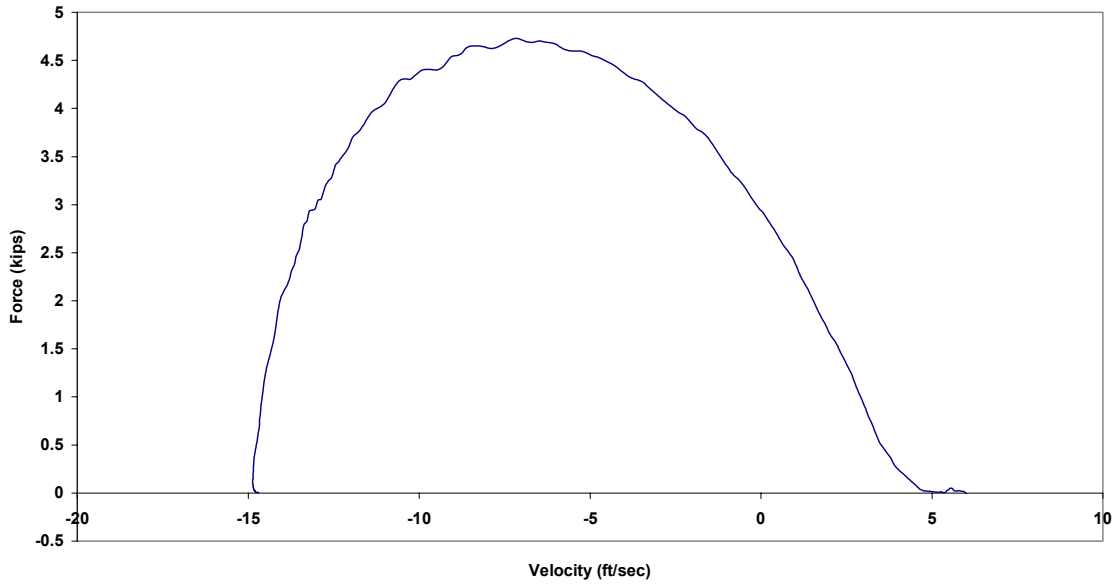


Figure B.165.3 Case 7M: Force vs. Velocity

Case 7M: New 3/8 in. Tech 12 (85 lb from 83 in.)

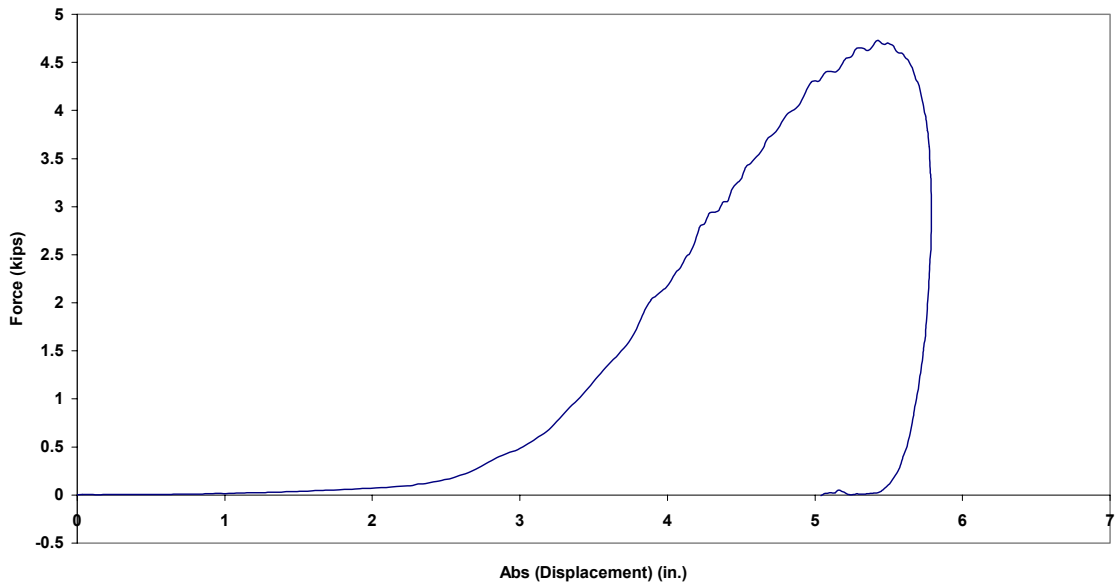


Figure B.165.4 Case 7M: Force vs. Absolute Displacement

Case 8M: New 3/8 in. Tech 12 (105 lb from 59 in.)

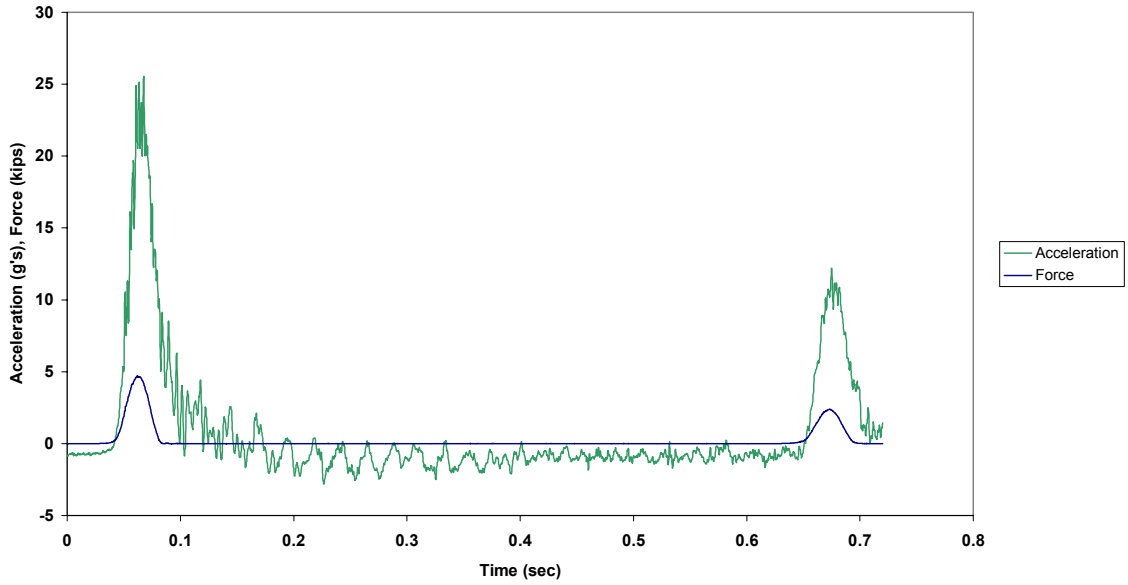


Figure B.166.1 Case 8M: Force and Acceleration vs. Time

Case 8M: New 3/8 in. Tech 12 (105 lb from 59 in.)

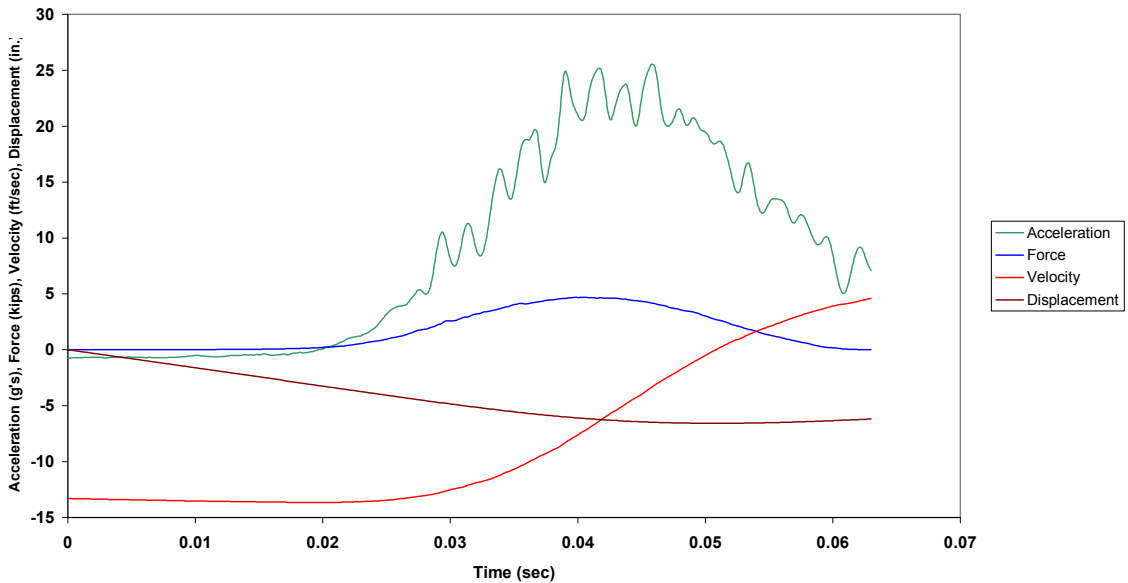


Figure B.166.2 Case 8M: Combined Plot

Case 8M: New 3/8 in. Tech 12 (105 lb from 59 in.)

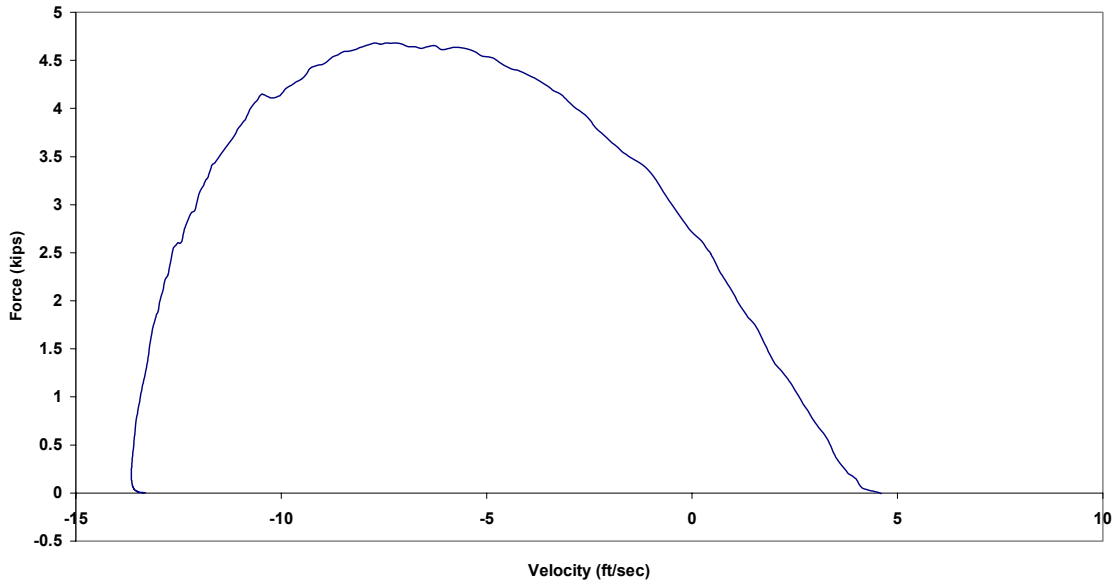


Figure B.166.3 Case 8M: Force vs. Velocity

Case 8M: New 3/8 in. Tech 12 (105 lb from 59 in.)

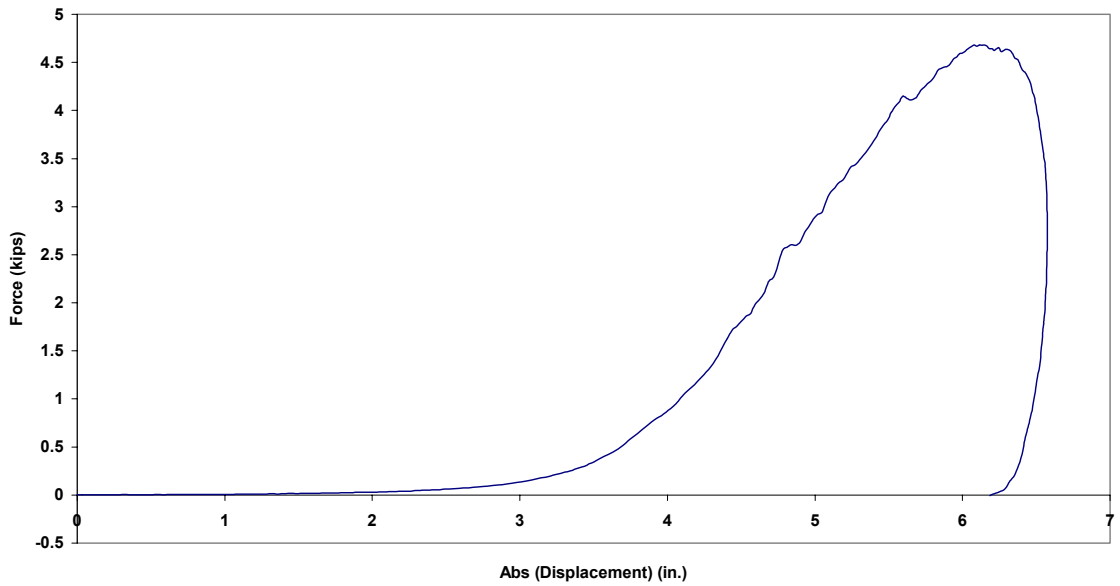


Figure B.166.4 Case 8M: Force vs. Absolute Displacement

Case 9M: New 3/8 in. Tech 12 (105 lb from 59 in.)

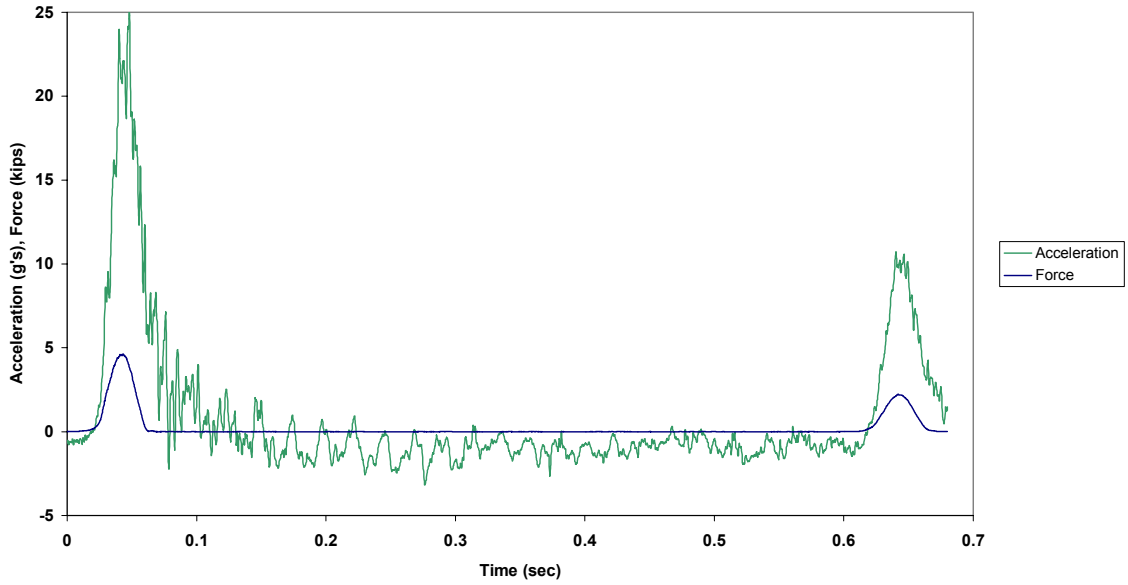


Figure B.167.1 Case 9M: Force and Acceleration vs. Time

Case 9M: New 3/8 in. Tech 12 (105 lb from 59 in.)

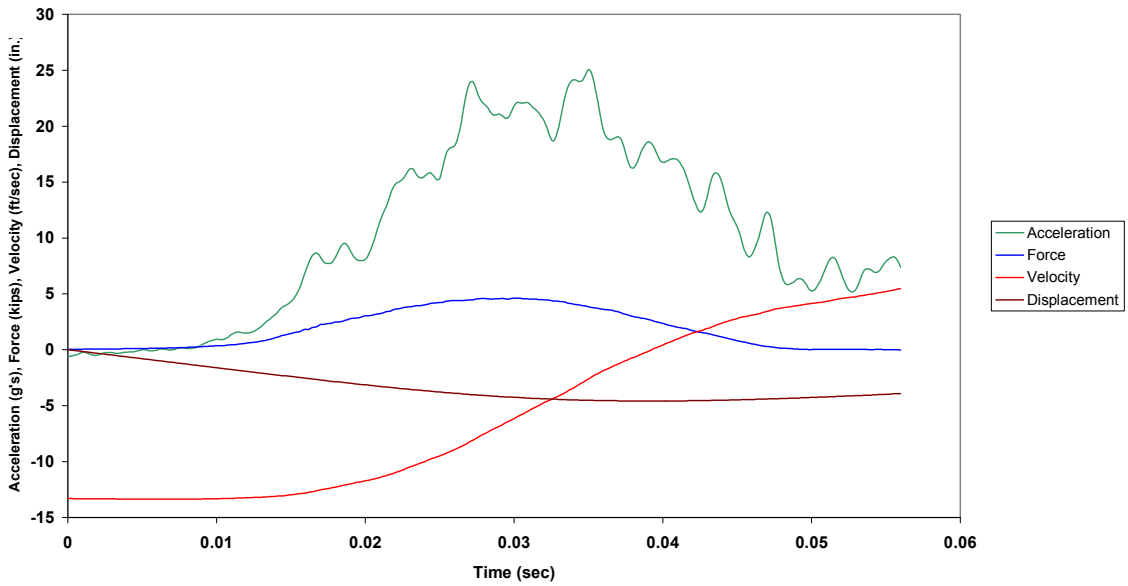


Figure B.167.2 Case 9M: Combined Plot

Case 9M: New 3/8 in. Tech 12 (105 lb from 59 in.)

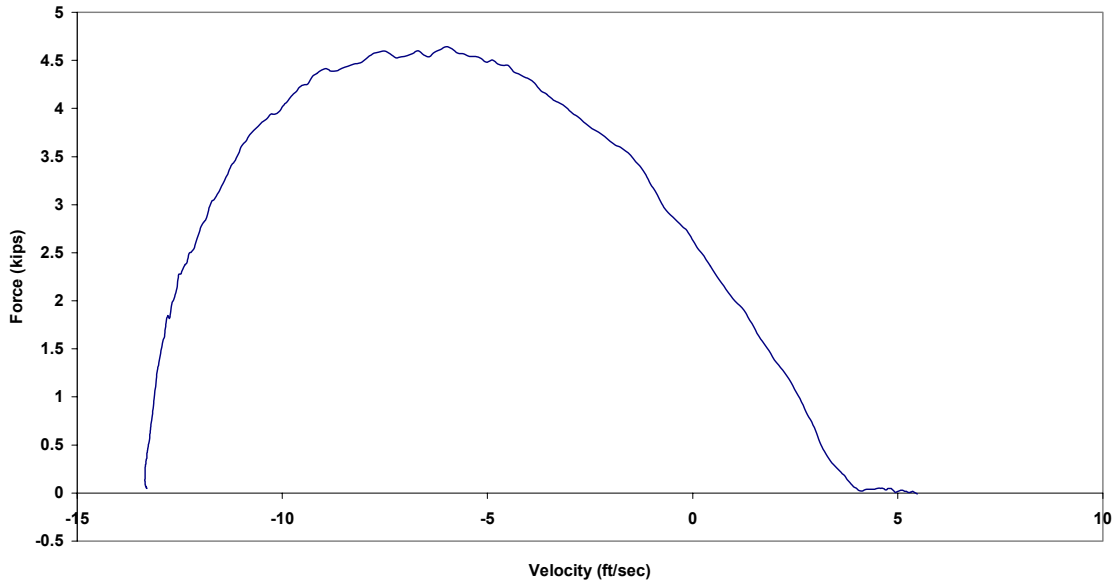


Figure B.167.3 Case 9M: Force vs. Velocity

Case 9M: New 3/8 in. Tech 12 (105 lb from 59 in.)

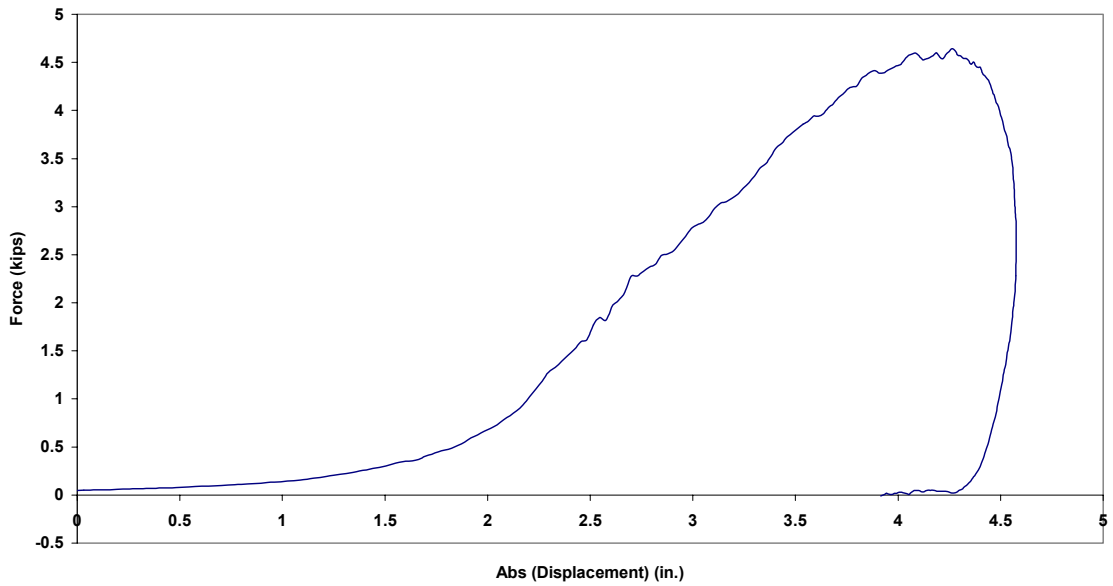


Figure B.167.4 Case 9M: Force vs. Absolute Displacement



Case 1N: Precycled 3/8 in. Tech 12 (65 lb from 56 in.)

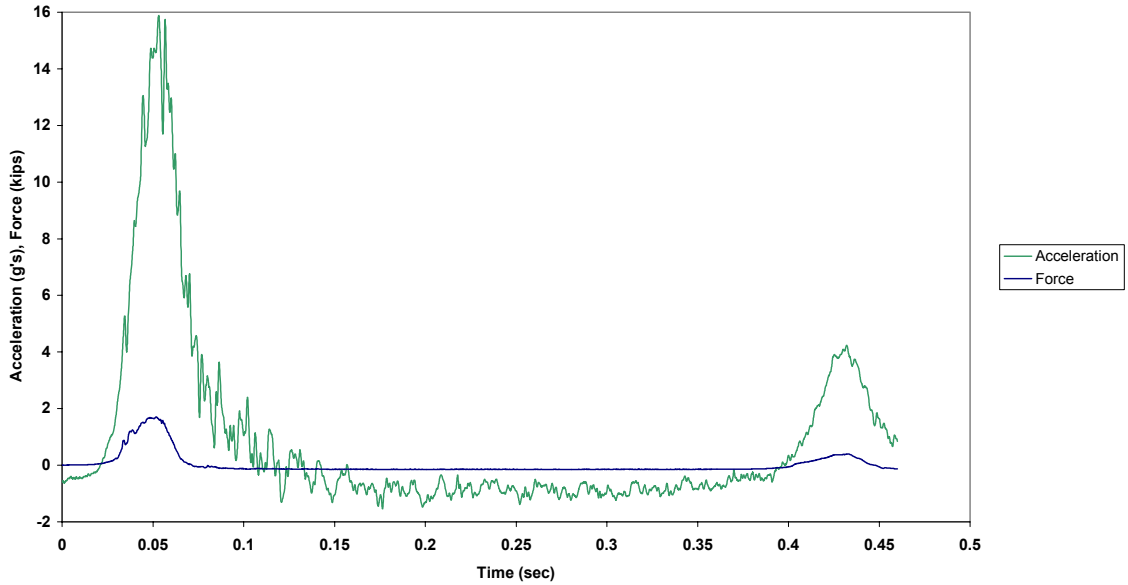


Figure B.168.1 Case 1N: Force and Acceleration vs. Time

Case 1N: Precycled 3/8 in. Tech 12 (65 lb from 56 in.)

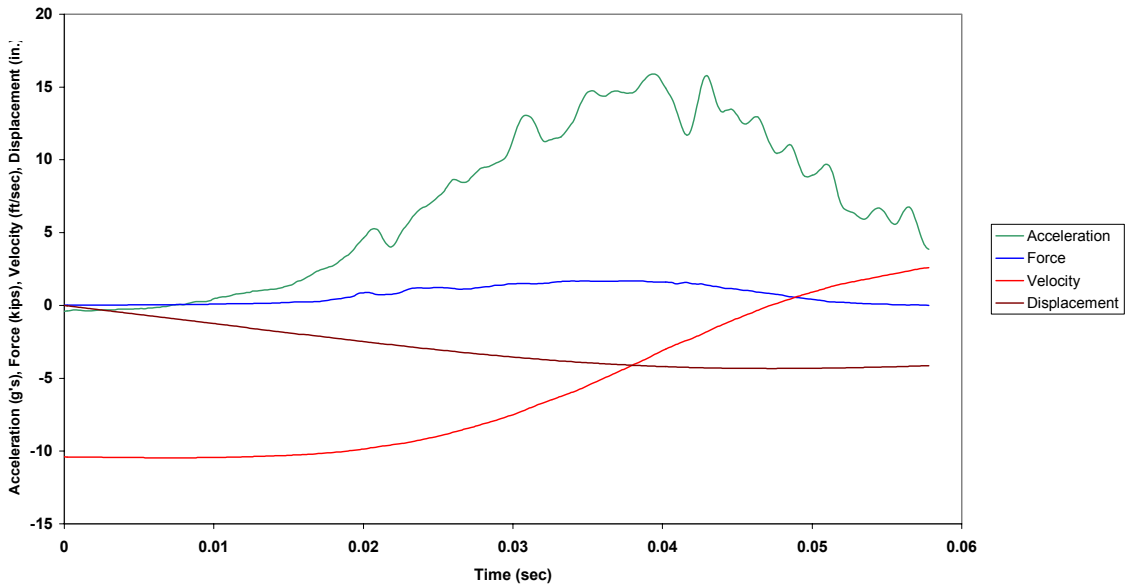


Figure B.168.2 Case 1N: Combined Plot

Case 1N: Precycled 3/8 in. Tech 12 (65 lb from 56 in.)

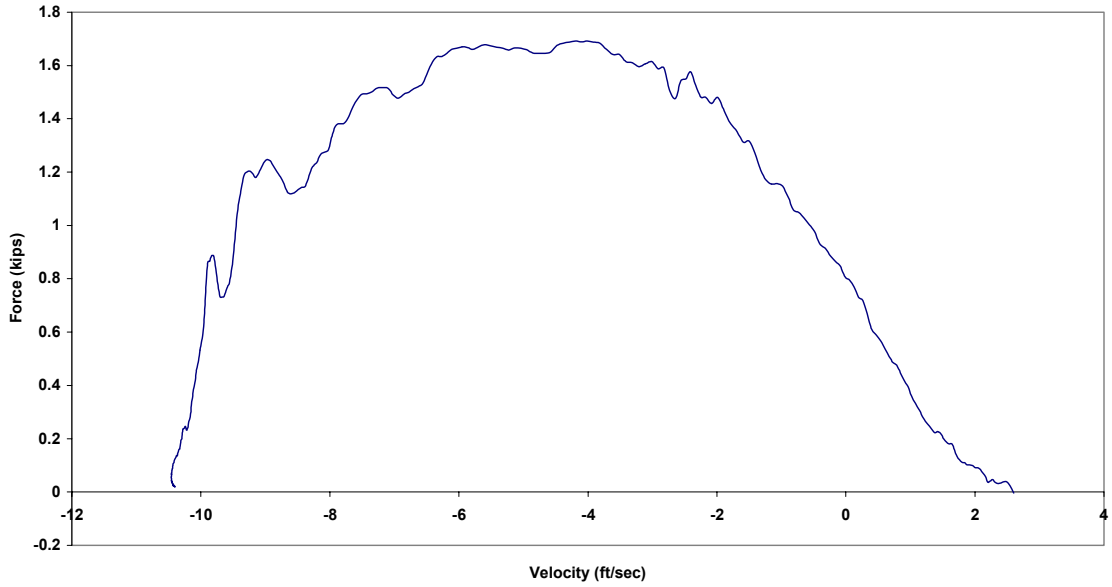


Figure B.168.3 Case 1N: Force vs. Velocity

Case 1N: Precycled 3/8 in. Tech 12 (65 lb from 56 in.)

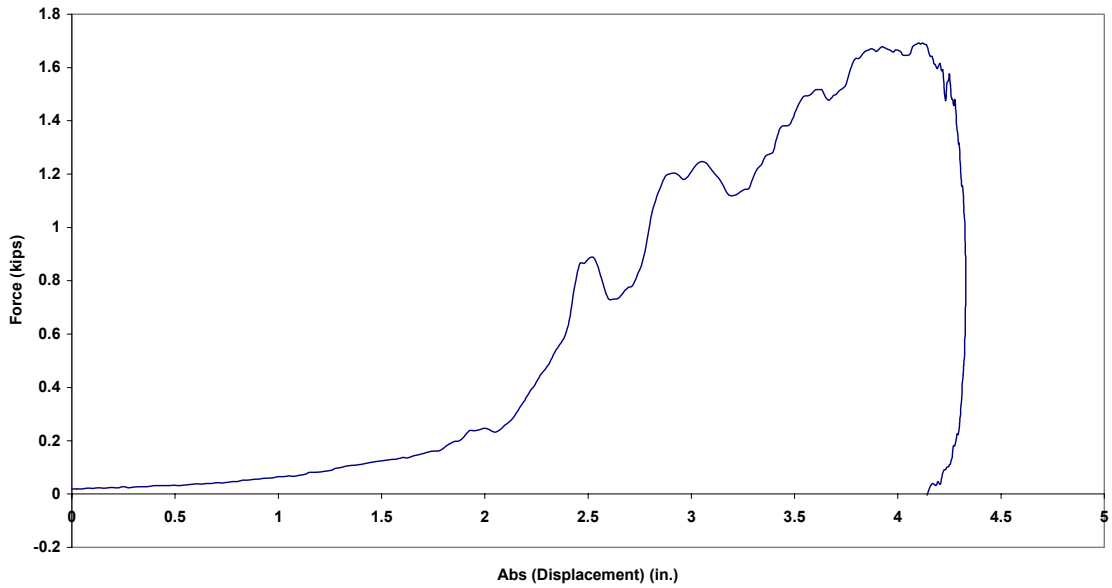


Figure B.168.4 Case 1N: Force vs. Absolute Displacement

Case 2N: Precycled 3/8 in. Tech 12 (65 lb from 68 in.)

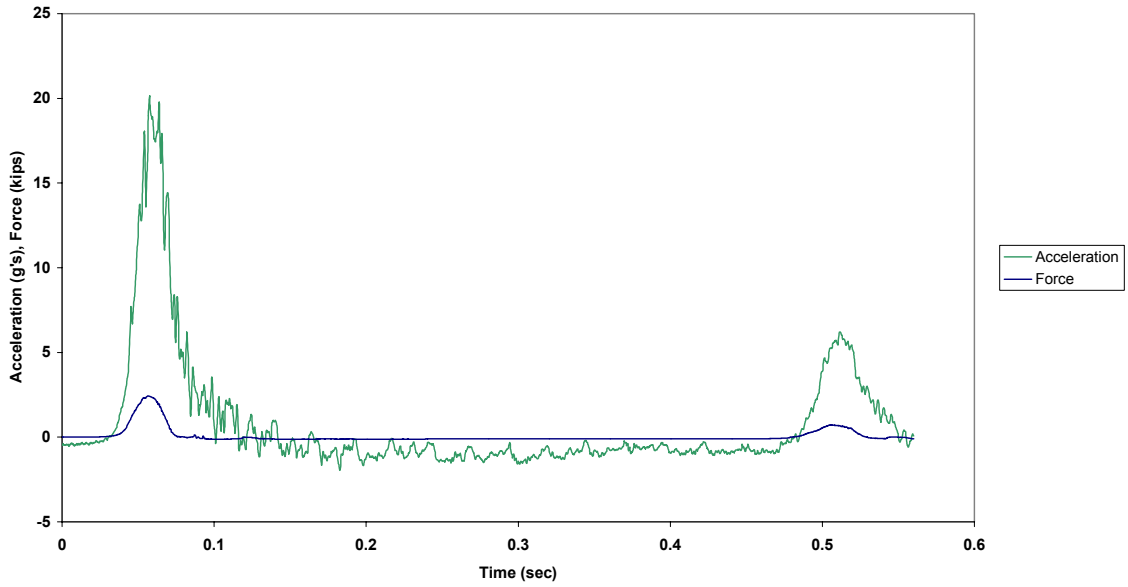


Figure B.169.1 Case 2N: Force and Acceleration vs. Time

Case 2N: Precycled 3/8 in. Tech 12 (65 lb from 68 in.)

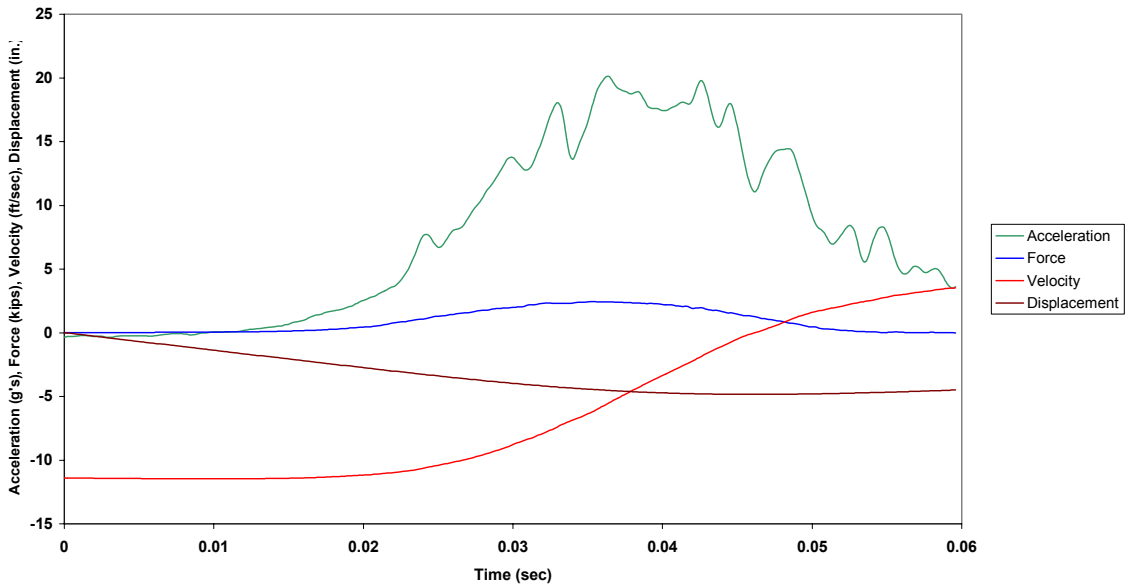


Figure B.169.2 Case 2N: Combined Plot

Case 2N: Precycled 3/8 in. Tech 12 (65 lb from 68 in.)

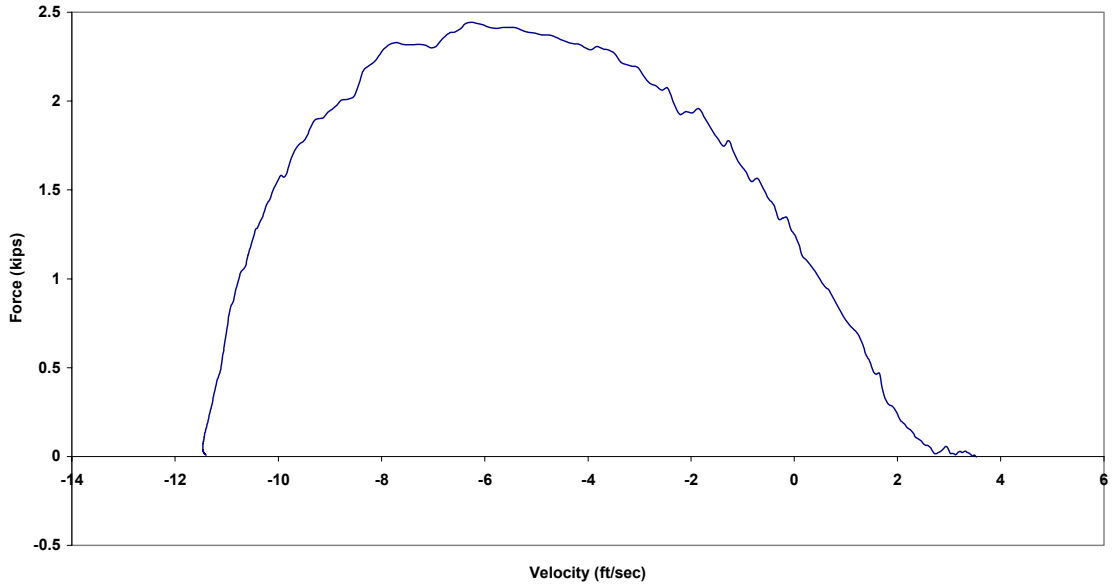


Figure B.169.3 Case 2N: Force vs. Velocity

Case 2N: Precycled 3/8 in. Tech 12 (65 lb from 68 in.)

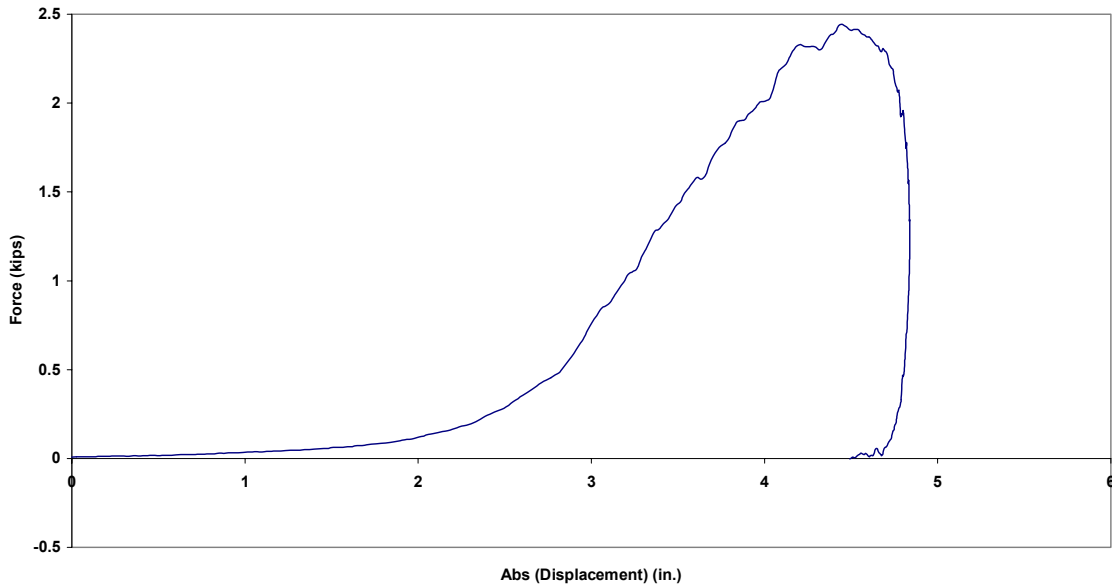


Figure B.169.4 Case 2N: Force vs. Absolute Displacement

Case 3N: Precycled 3/8 in. Tech 12 (65 lb from 80 in.)

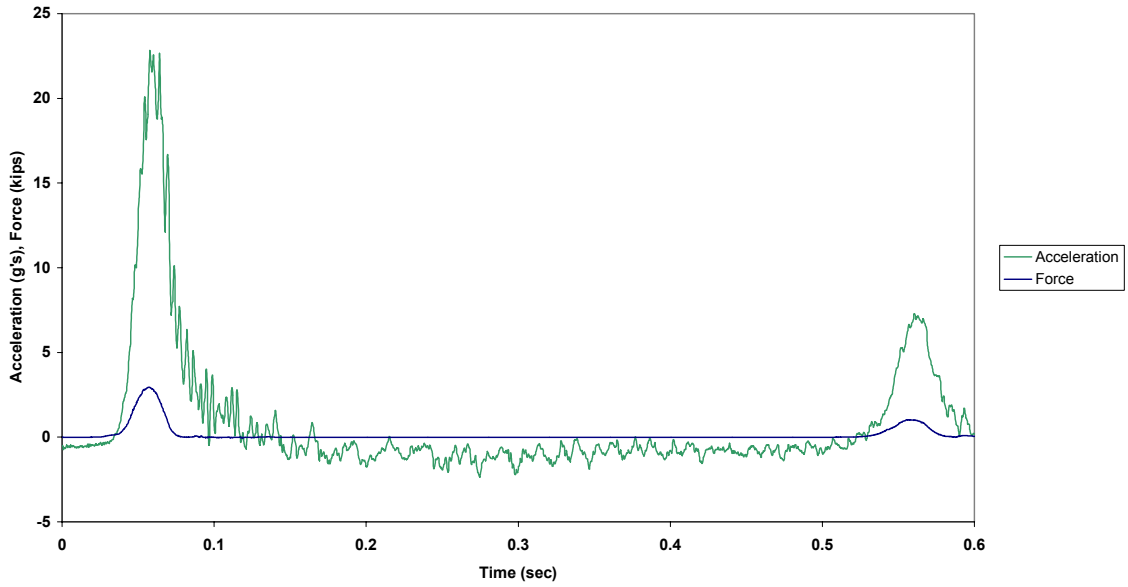


Figure B.170.1 Case 3N: Force and Acceleration vs. Time

Case 3N: Precycled 3/8 in. Tech 12 (65 lb from 80 in.)

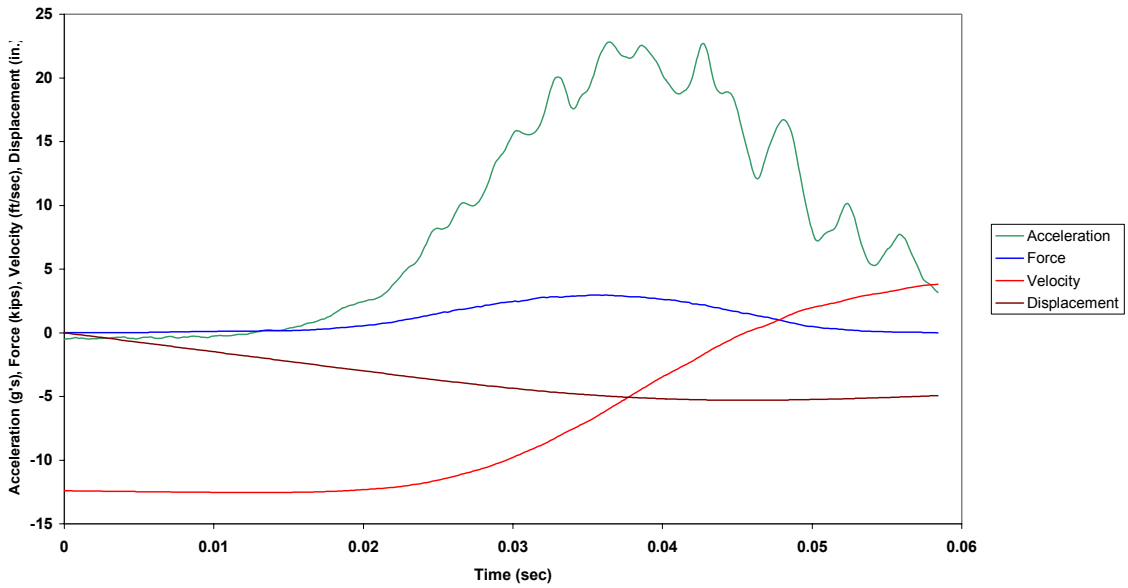


Figure B.170.2 Case 3N: Combined Plot

Case 3N: Precycled 3/8 in. Tech 12 (65 lb from 80 in.)

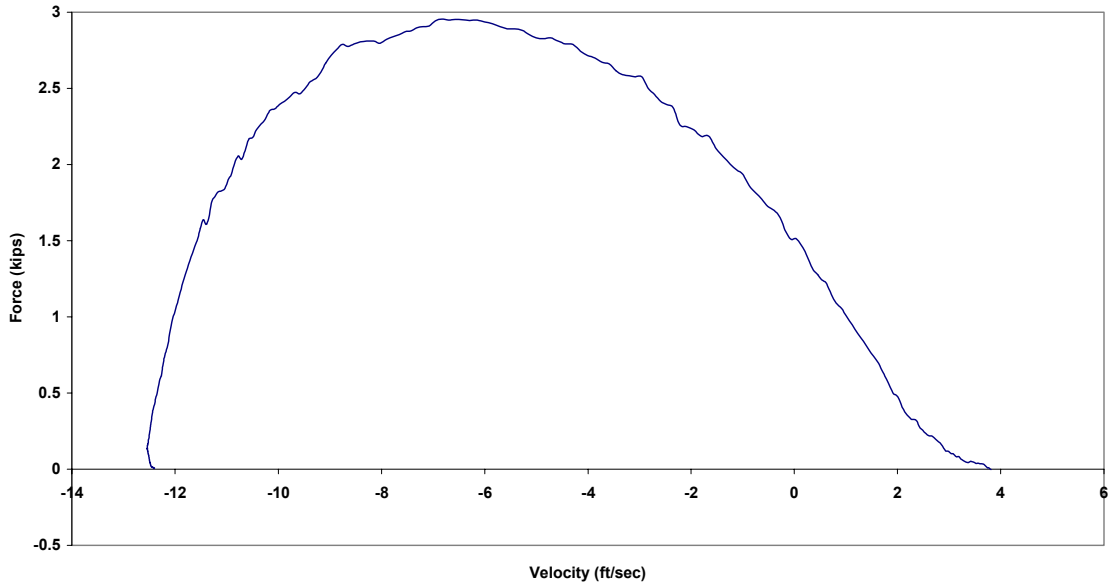


Figure B.170.3 Case 3N: Force vs. Velocity

Case 3N: Precycled 3/8 in. Tech 12 (65 lb from 80 in.)

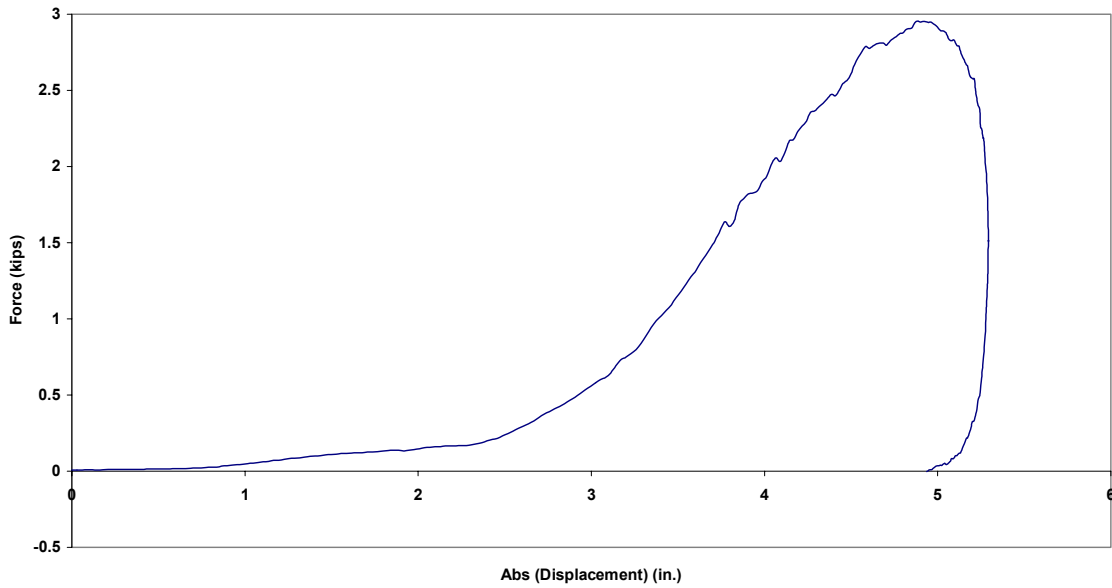


Figure B.170.4 Case 3N: Force vs. Absolute Displacement

Case 4N: Precycled 3/8 in. Tech 12 (65 lb from 92 in.)

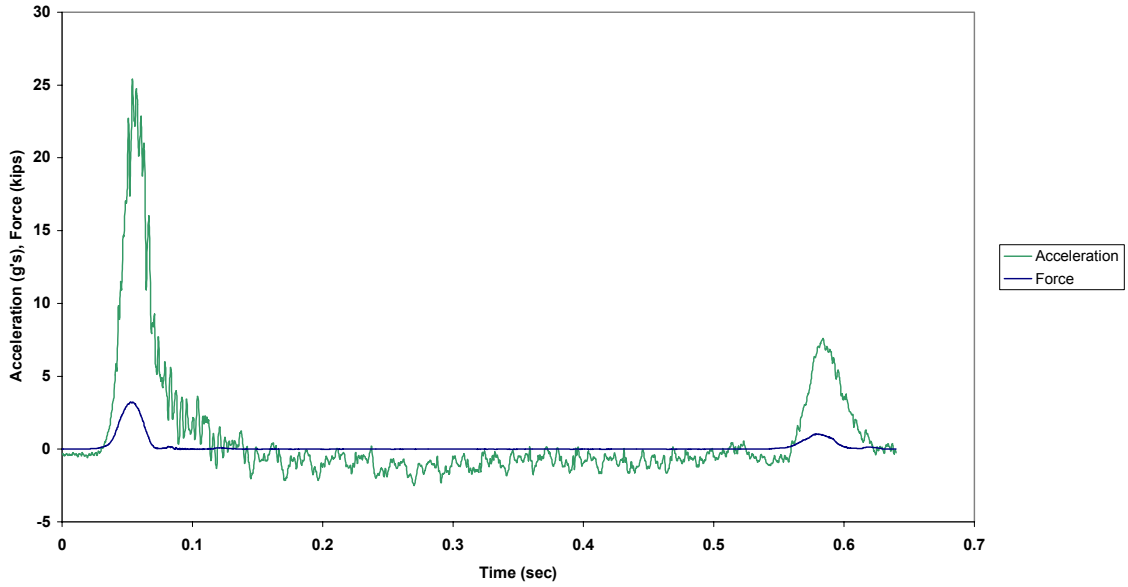


Figure B.171.1 Case 4N: Force and Acceleration vs. Time

Case 4N: Precycled 3/8 in. Tech 12 (65 lb from 92 in.)

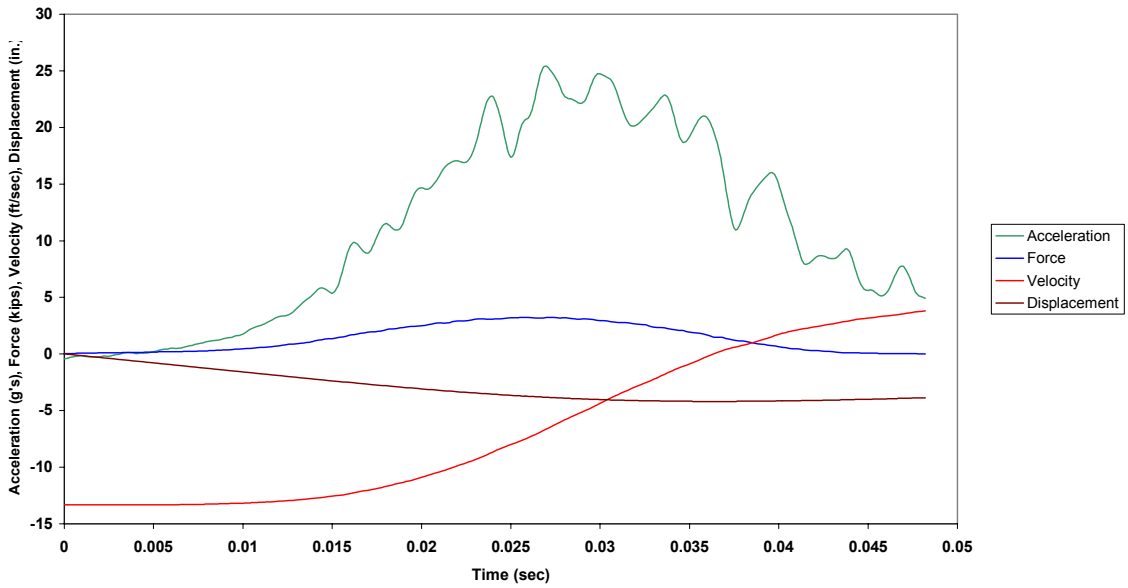


Figure B.171.2 Case 4N: Combined Plot

Case 4N: Precycled 3/8 in. Tech 12 (65 lb from 92 in.)

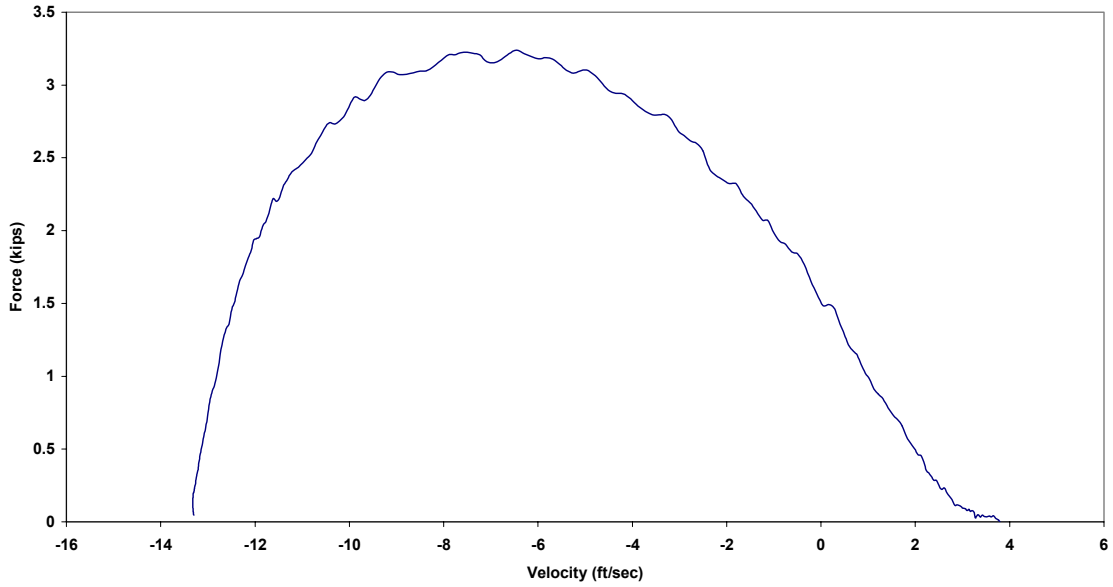


Figure B.171.3 Case 4N: Force vs. Velocity

Case 4N: Precycled 3/8 in. Tech 12 (65 lb from 92 in.)

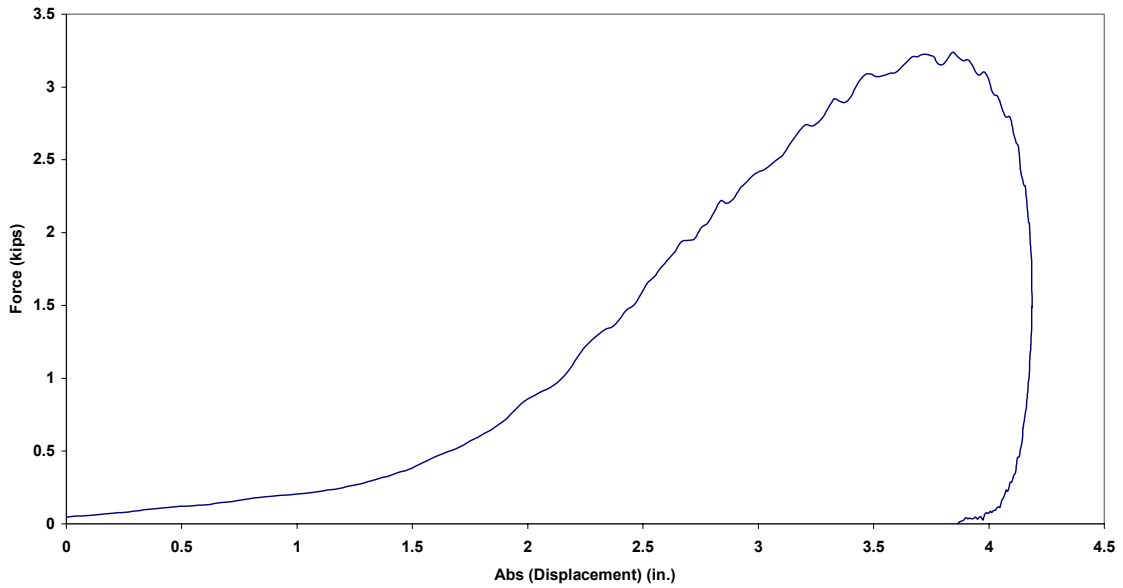


Figure B.171.4 Case 4N: Force vs. Absolute Displacement



Case 5N: Precycled 3/8 in. Tech 12 (85 lb from 59 in.)

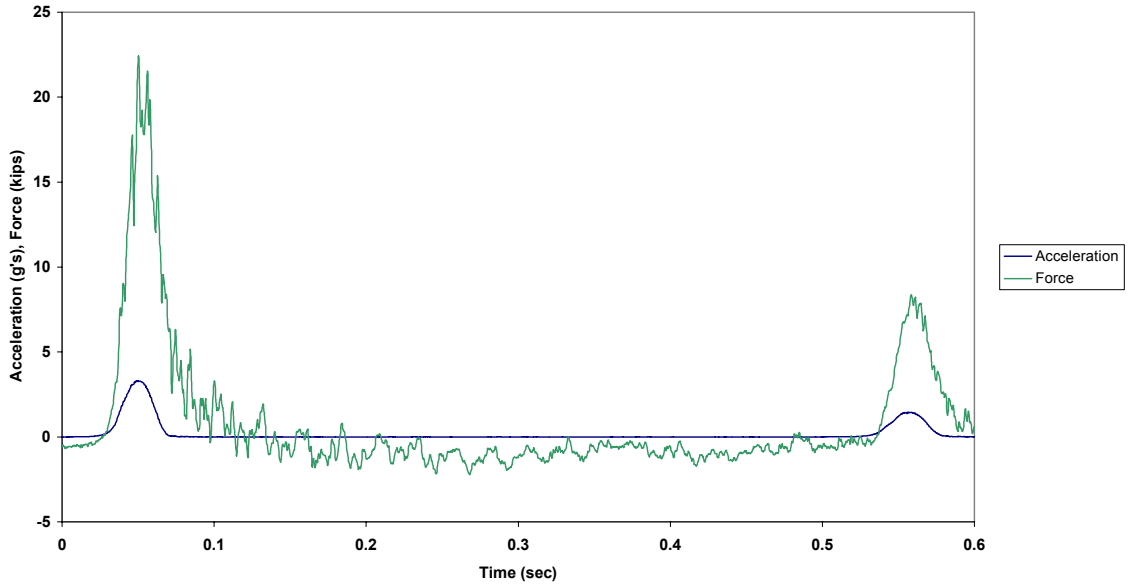


Figure B.172.1 Case 5N: Force and Acceleration vs. Time

Case 5N: Precycled 3/8 in. Tech 12 (85 lb from 59 in.)

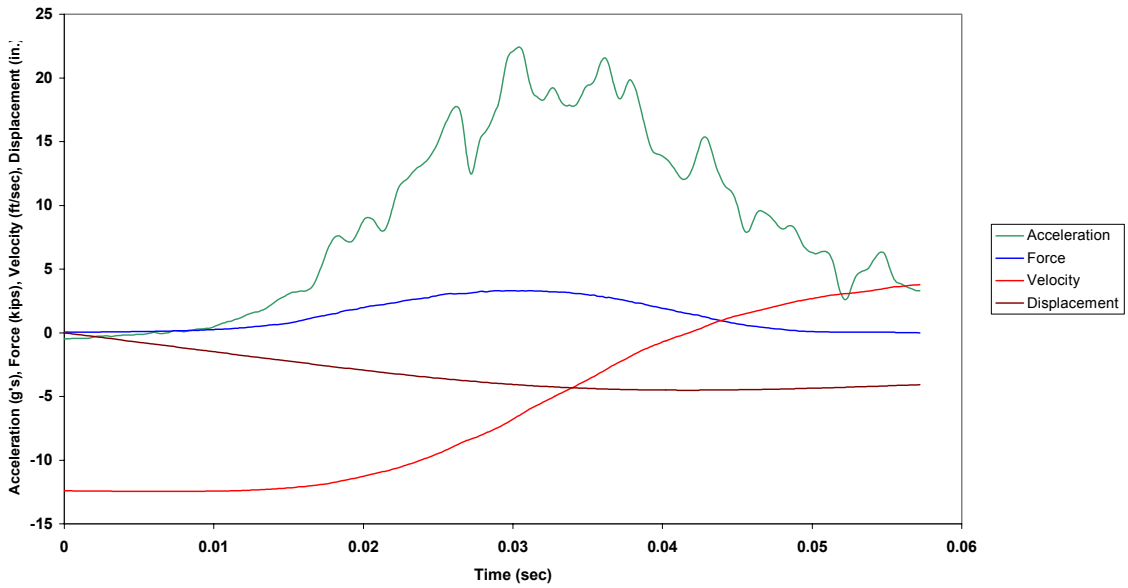


Figure B.172.2 Case 5N: Combined Plot

Case 5N: Precycled 3/8 in. Tech 12 (85 lb from 59 in.)

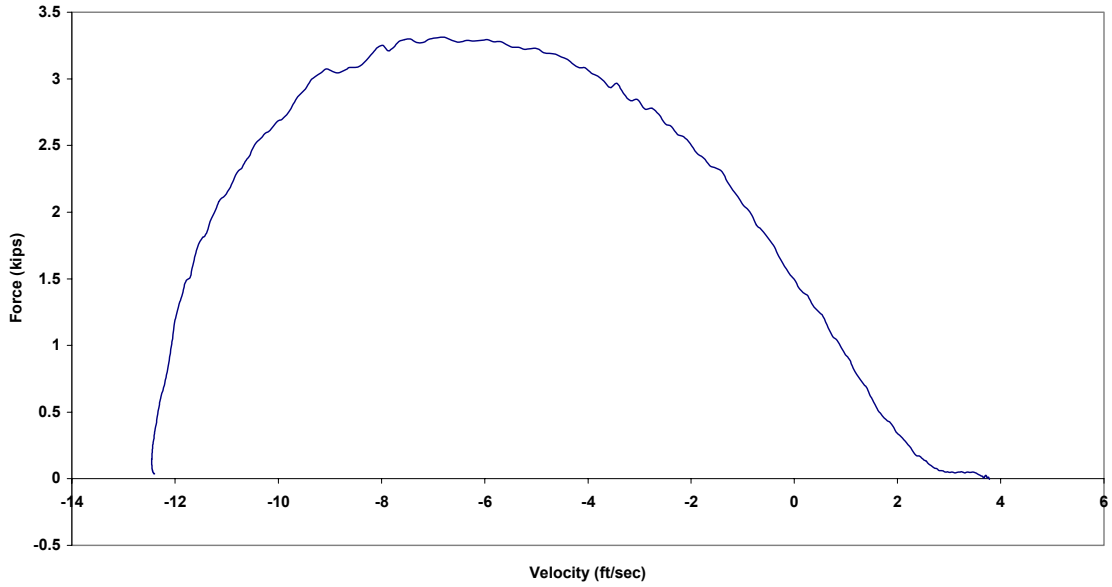


Figure B.172.3 Case 5N: Force vs. Velocity

Case 5N: Precycled 3/8 in. Tech 12 (85 lb from 59 in.)

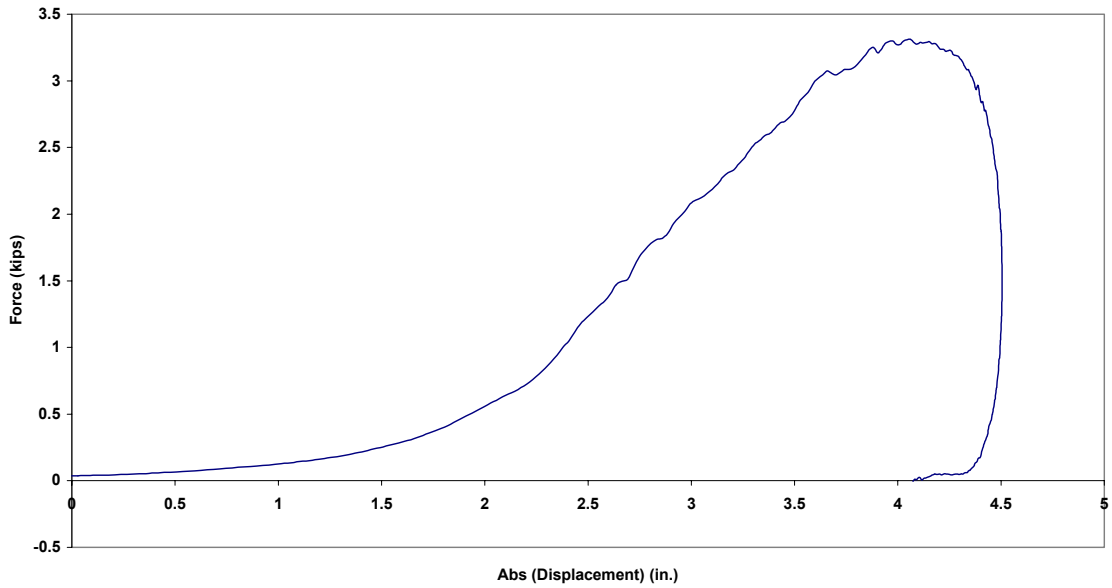


Figure B.172.4 Case 5N: Force vs. Absolute Displacement

Case 6N: Precycled 3/8 in. Tech 12 (85 lb from 71 in.)

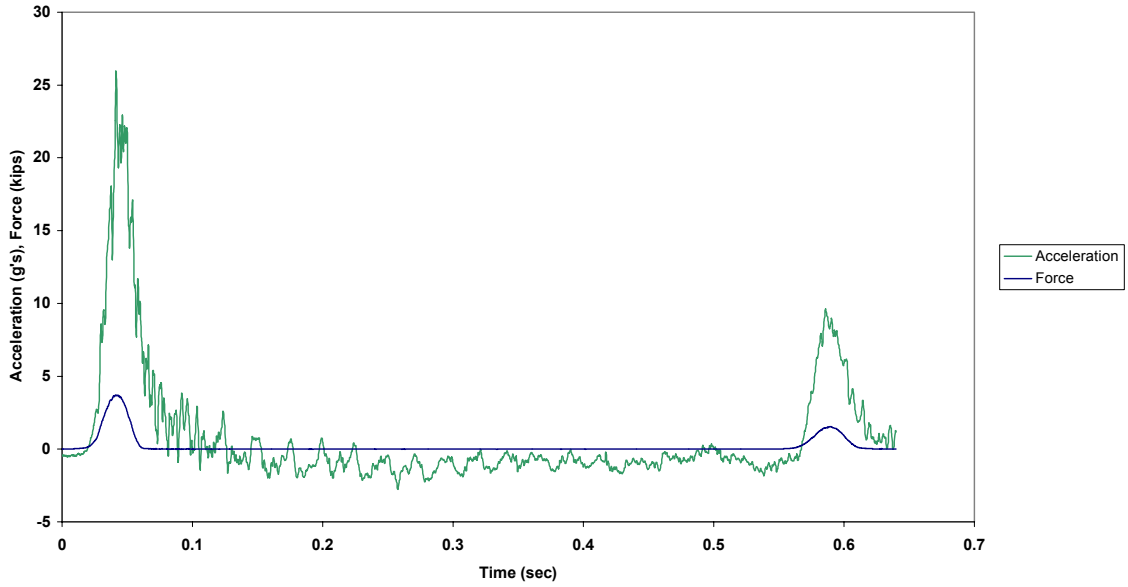


Figure B.173.1 Case 6N: Force and Acceleration vs. Time

Case 6N: Precycled 3/8 in. Tech 12 (85 lb from 71 in.)

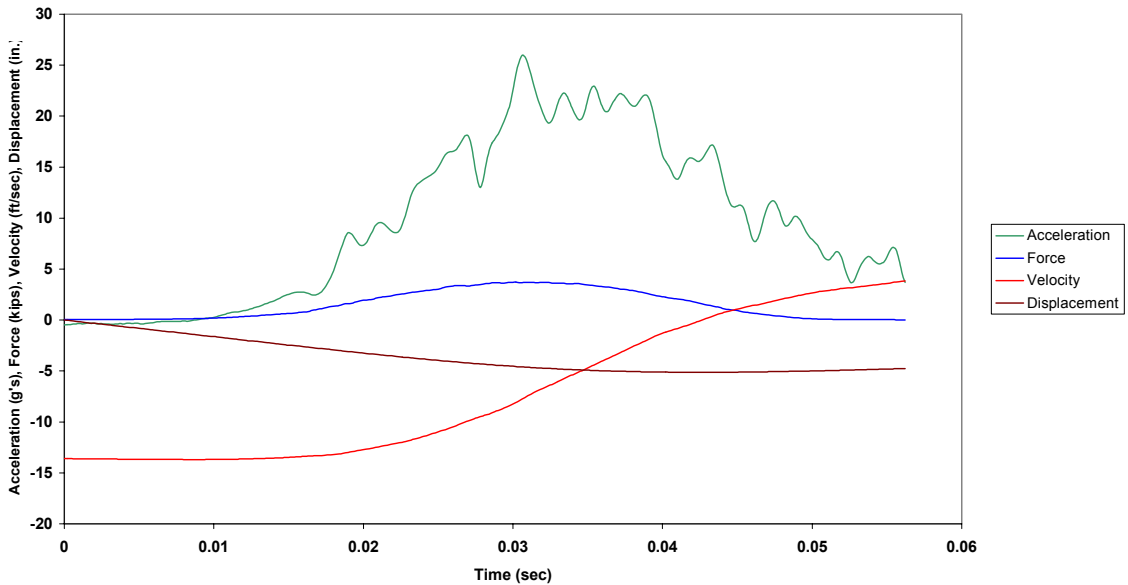


Figure B.173.2 Case 6N: Combined Plot

Case 6N: Precycled 3/8 in. Tech 12 (85 lb from 71 in.)

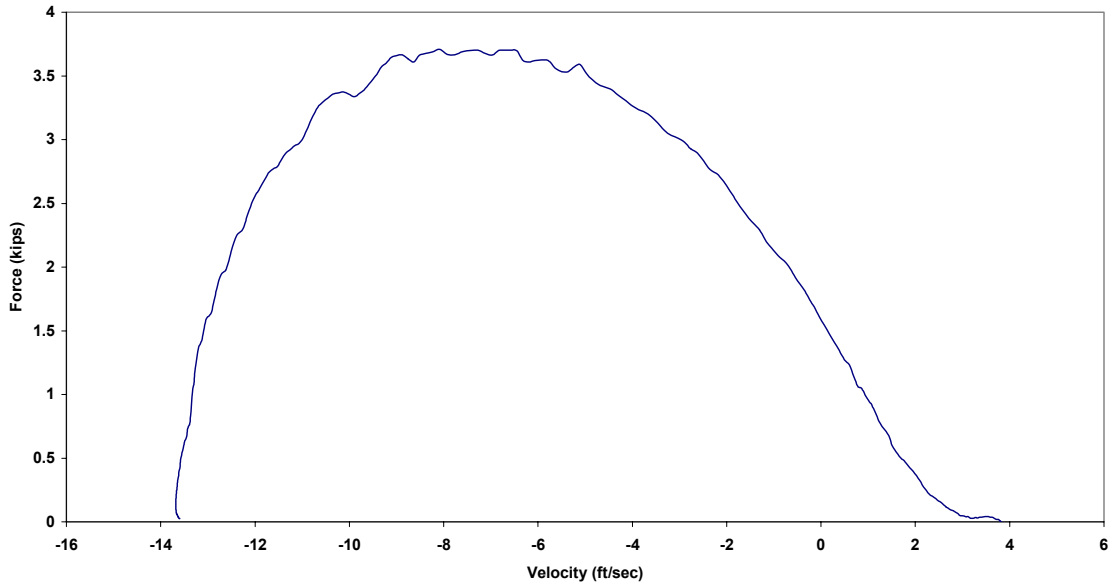


Figure B.173.3 Case 6N: Force vs. Velocity

Case 6N: Precycled 3/8 in. Tech 12 (85 lb from 71 in.)

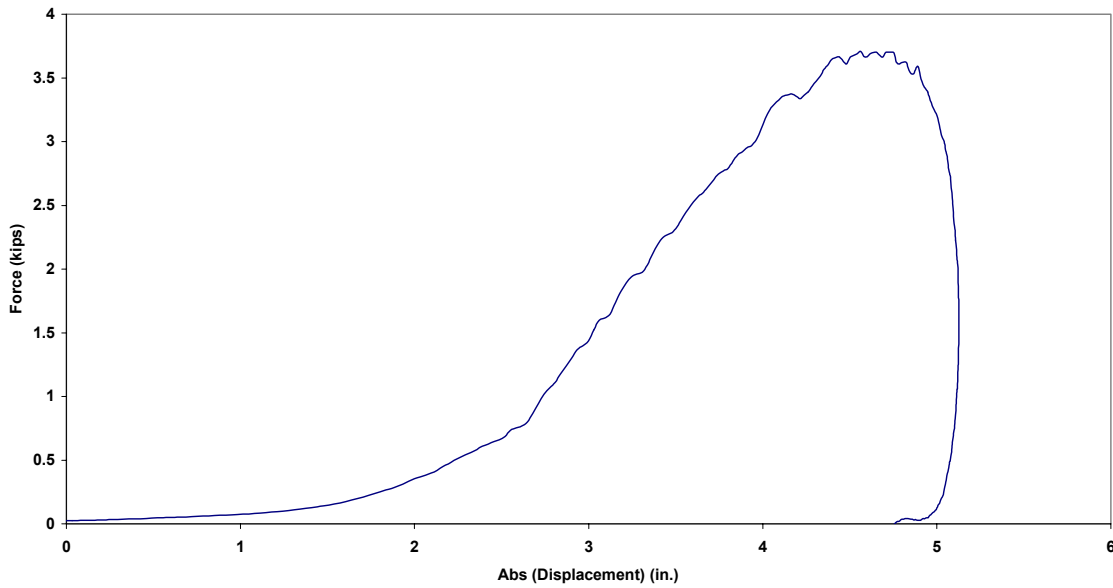


Figure B.173.4 Case 6N: Force vs. Absolute Displacement

Case 7N: Precycled 3/8 in. Tech 12 (85 lb from 83 in.)

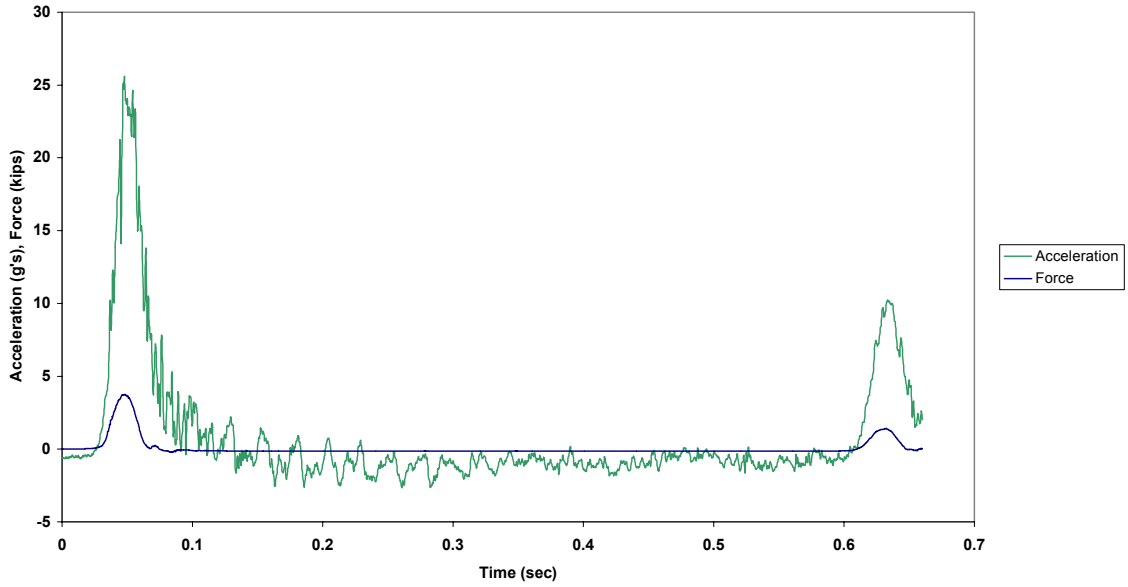


Figure B.174.1 Case 7N: Force and Acceleration vs. Time

Case 7N: Precycled 3/8 in. Tech 12 (85 lb from 83 in.)

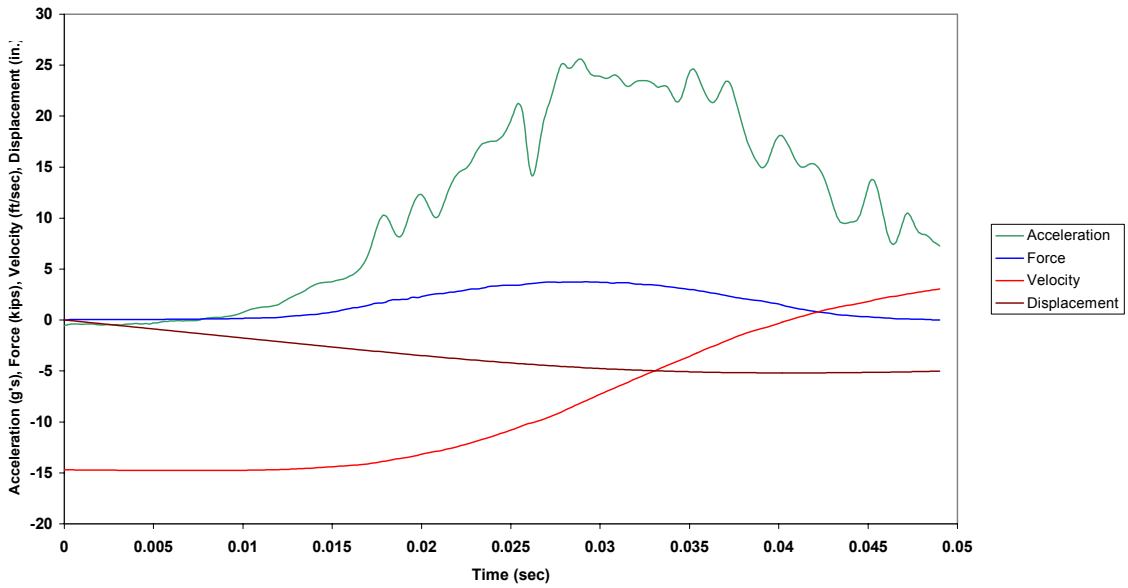


Figure B.174.2 Case 7N: Combined Plot

Case 7N: Precycled 3/8 in. Tech 12 (85 lb from 83 in.)

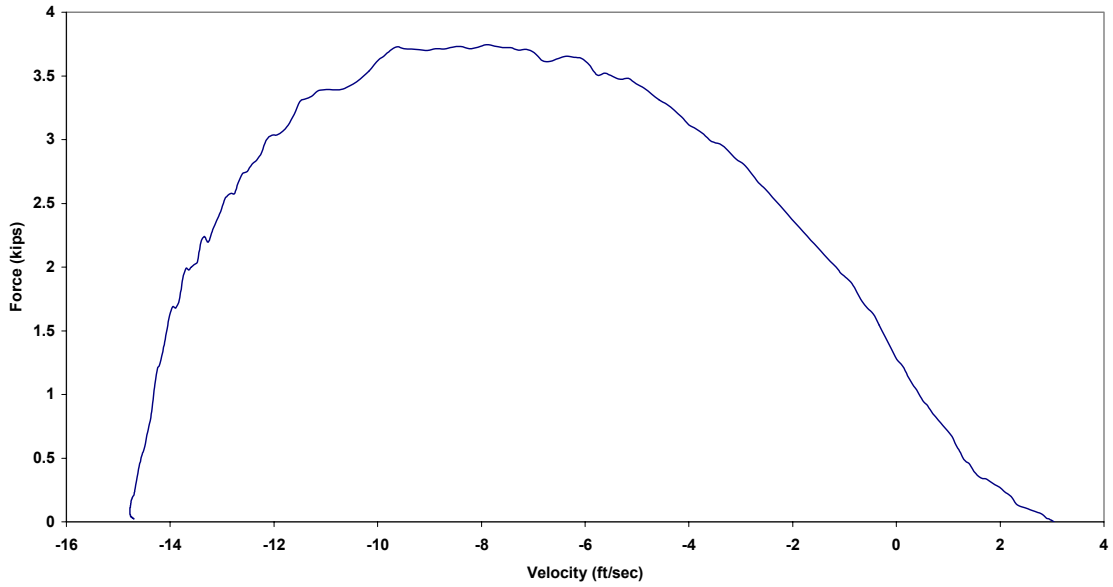


Figure B.174.3 Case 7N: Force vs. Velocity

Case 7N: Precycled 3/8 in. Tech 12 (85 lb from 83 in.)

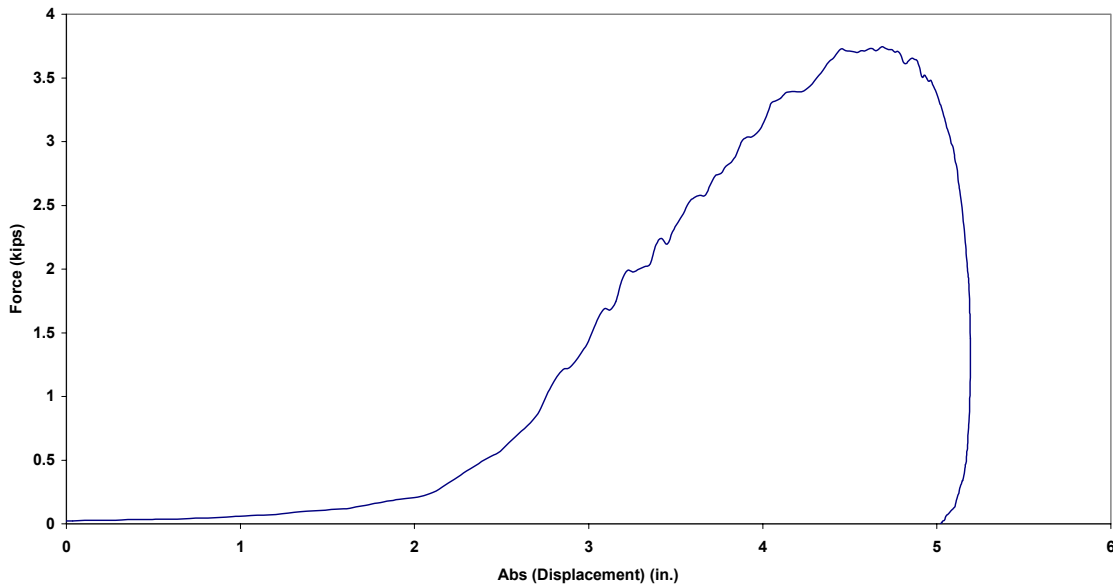


Figure B.174.4 Case 7N: Force vs. Absolute Displacement

Case 8N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

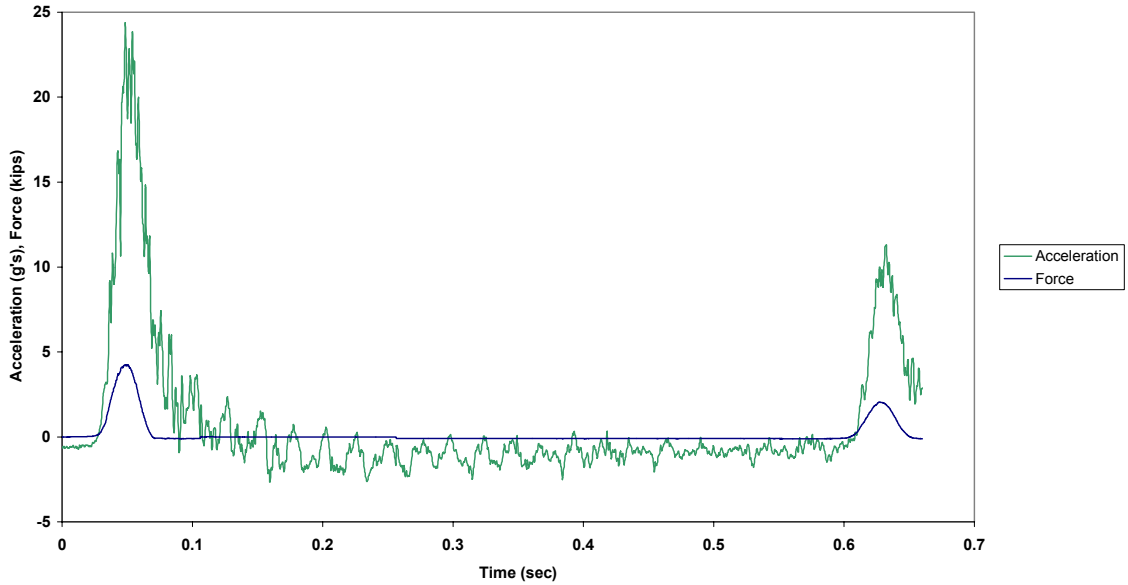


Figure B.175.1 Case 8N: Force and Acceleration vs. Time

Case 8N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

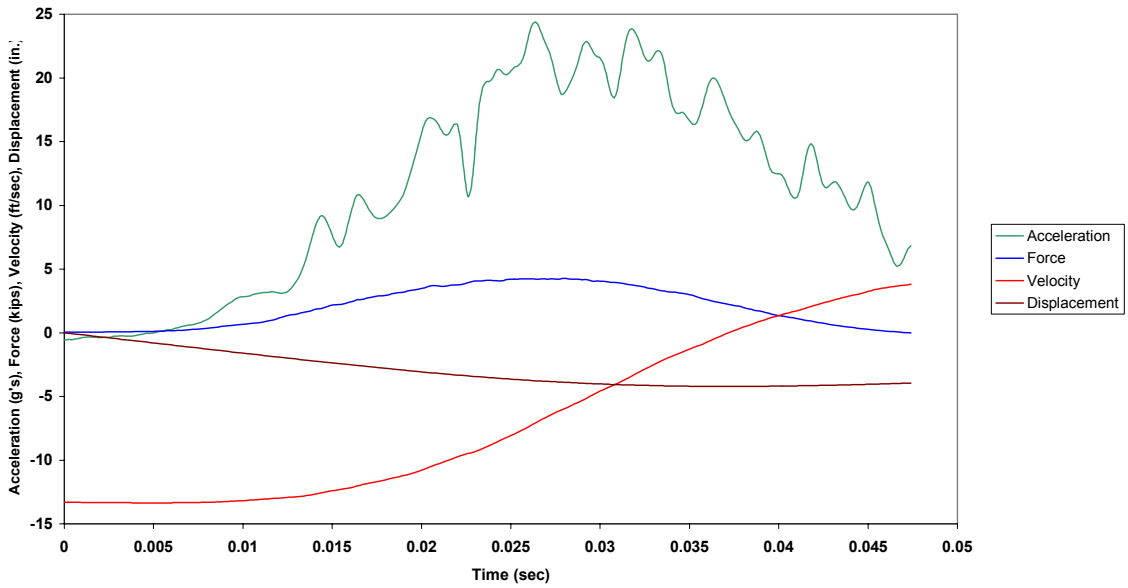


Figure B.175.2 Case 8N: Combined Plot

Case 8N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

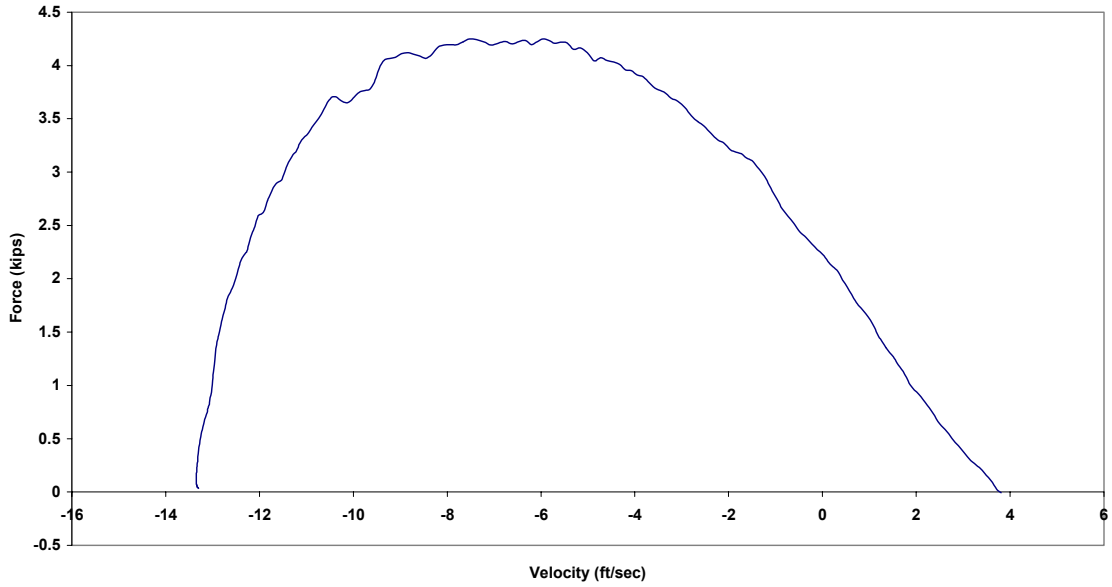


Figure B.175.3 Case 8N: Force vs. Velocity

Case 8N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

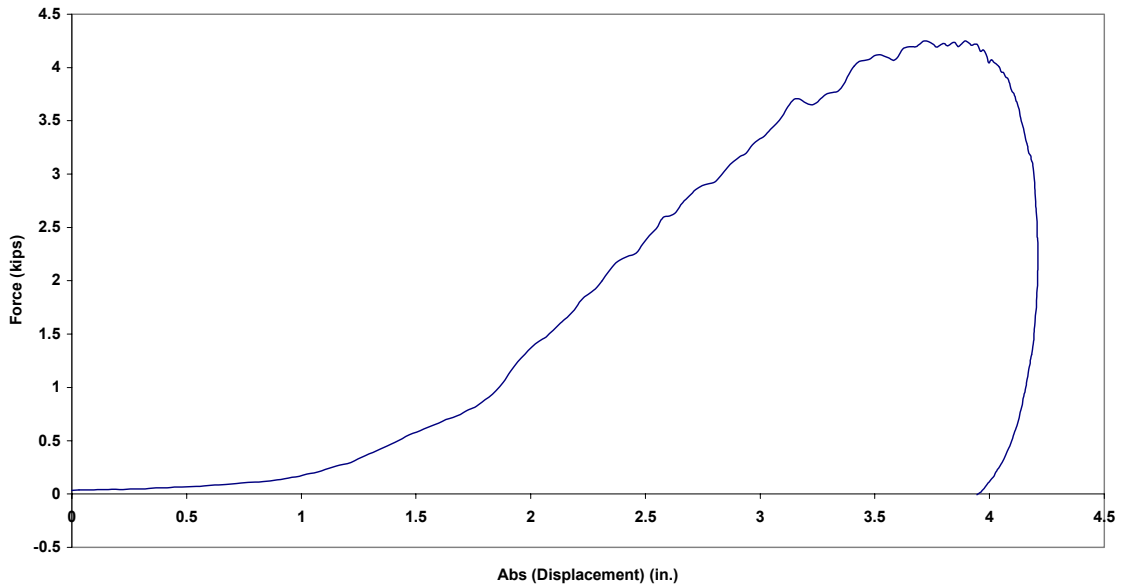


Figure B.175.4 Case 8N: Force vs. Absolute Displacement



Case 9N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

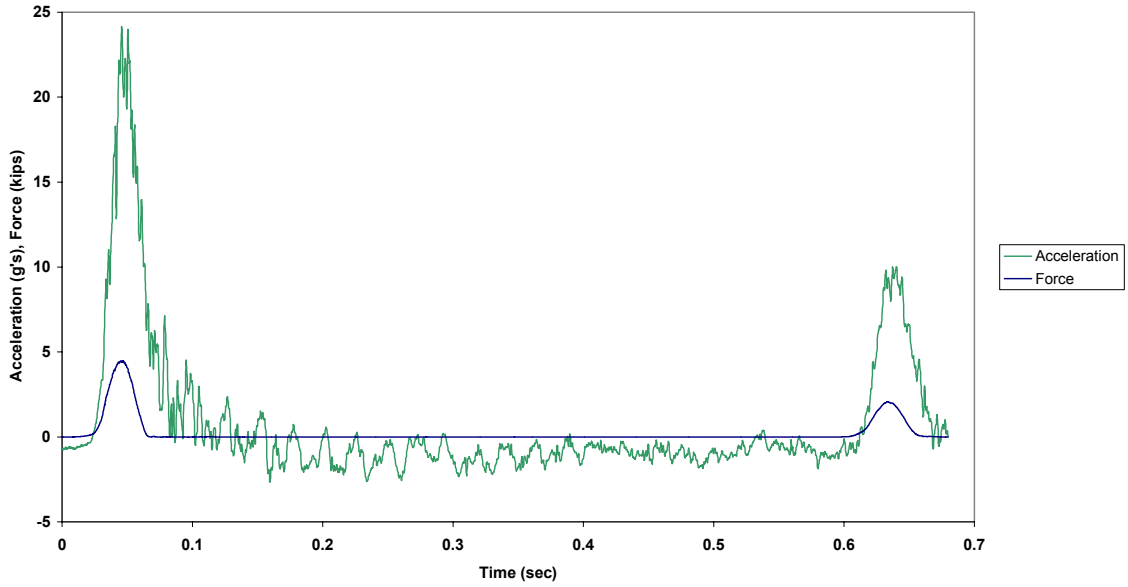


Figure B.176.1 Case 9N: Force and Acceleration vs. Time

Case 9N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

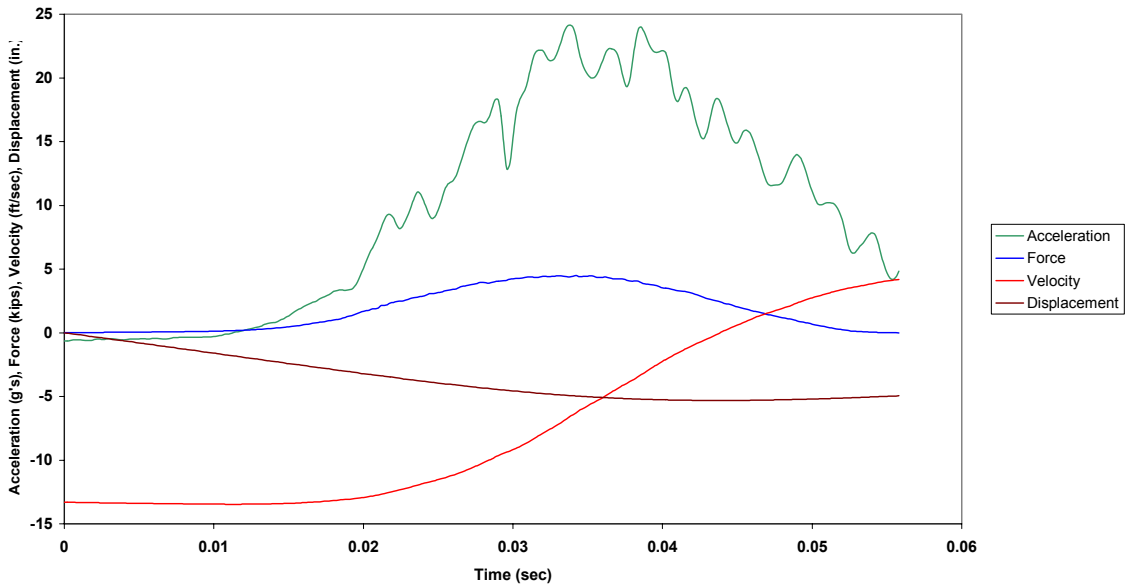


Figure B.176.2 Case 9N: Combined Plot

Case 9N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

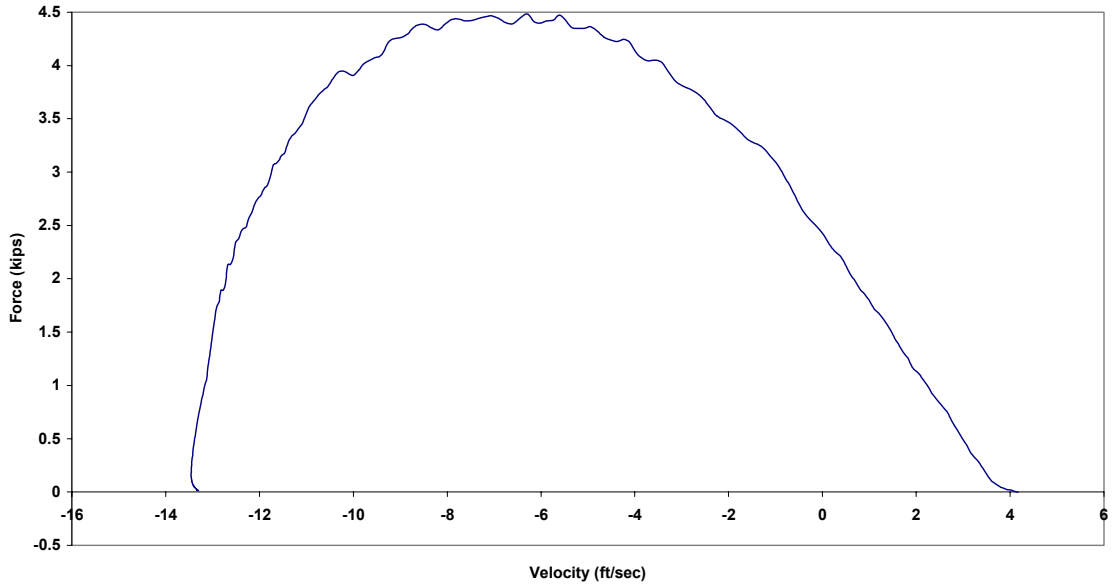


Figure B.176.3 Case 9N: Force vs. Velocity

Case 9N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

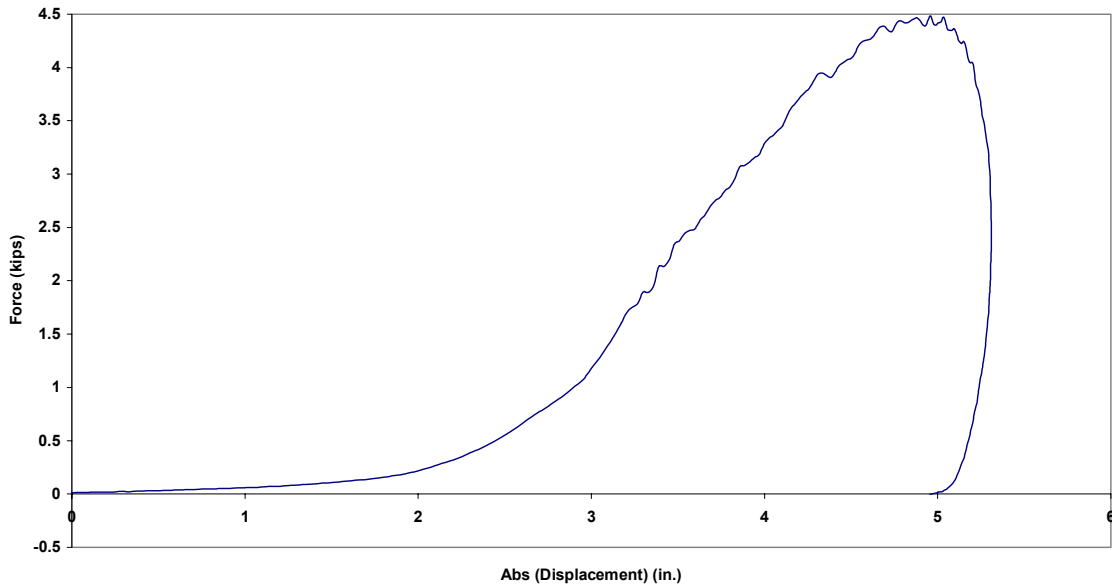


Figure B.176.4 Case 9N: Force vs. Absolute Displacement

Case 10N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

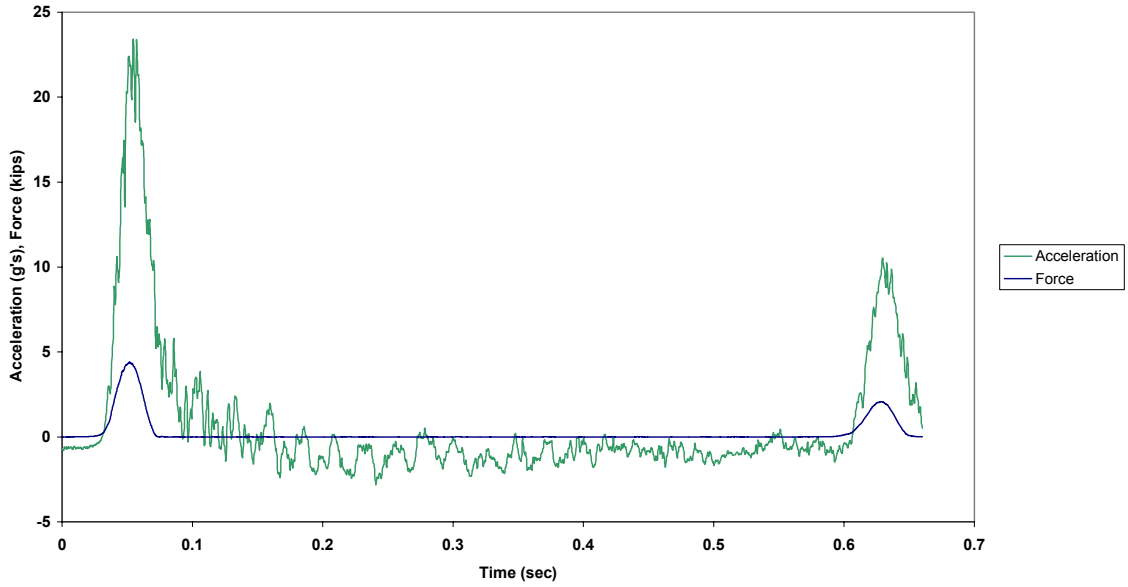


Figure B.177.1 Case 10N: Force and Acceleration vs. Time

Case 10N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

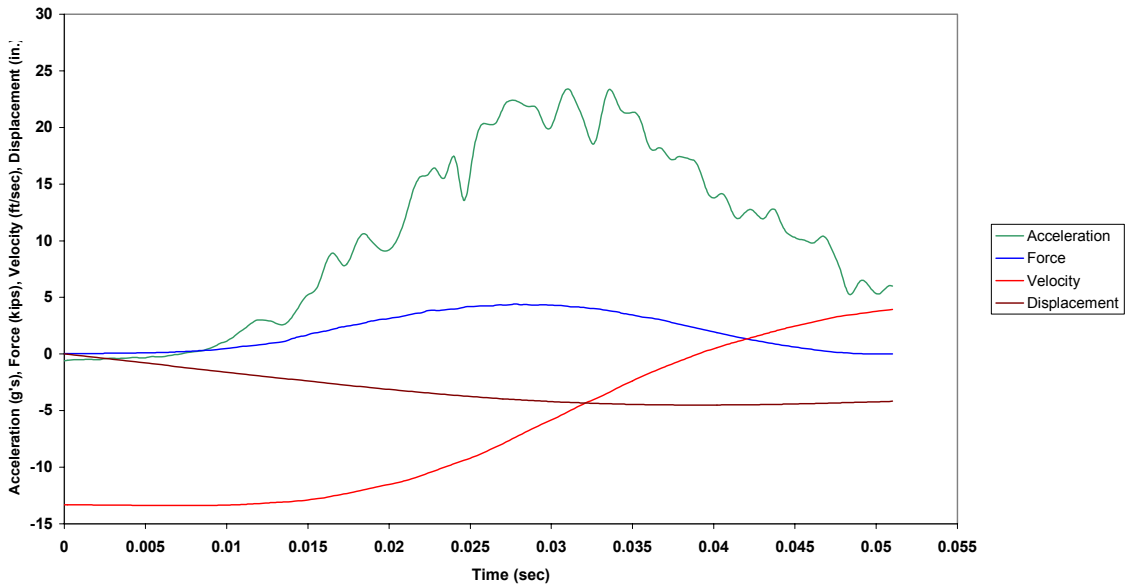


Figure B.177.2 Case 10N: Combined Plot

Case 10N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

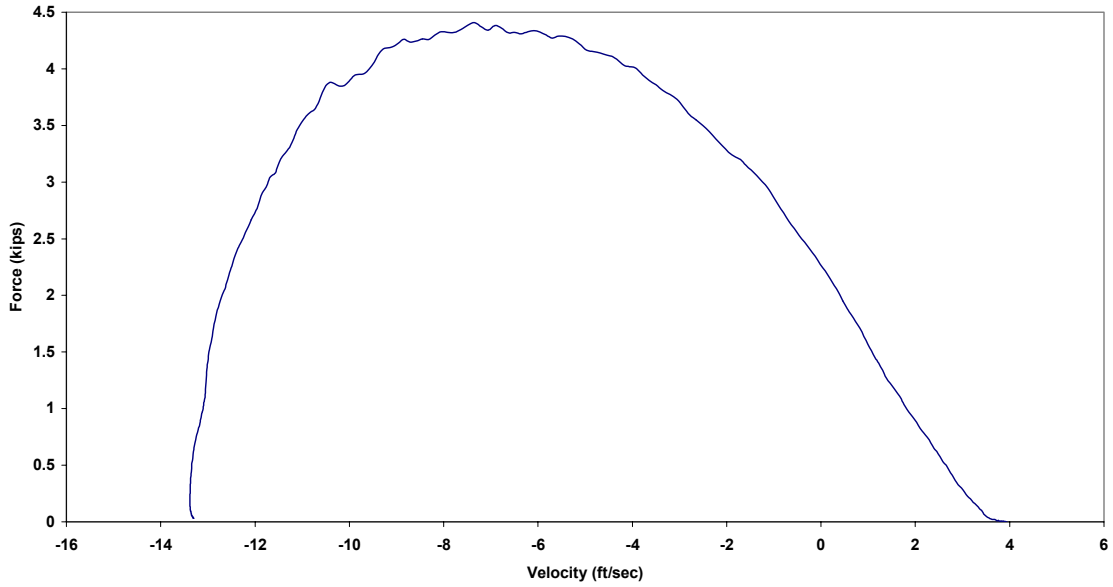


Figure B.177.3 Case 10N: Force vs. Velocity

Case 10N: Precycled 3/8 in. Tech 12 (105 lb from 59 in.)

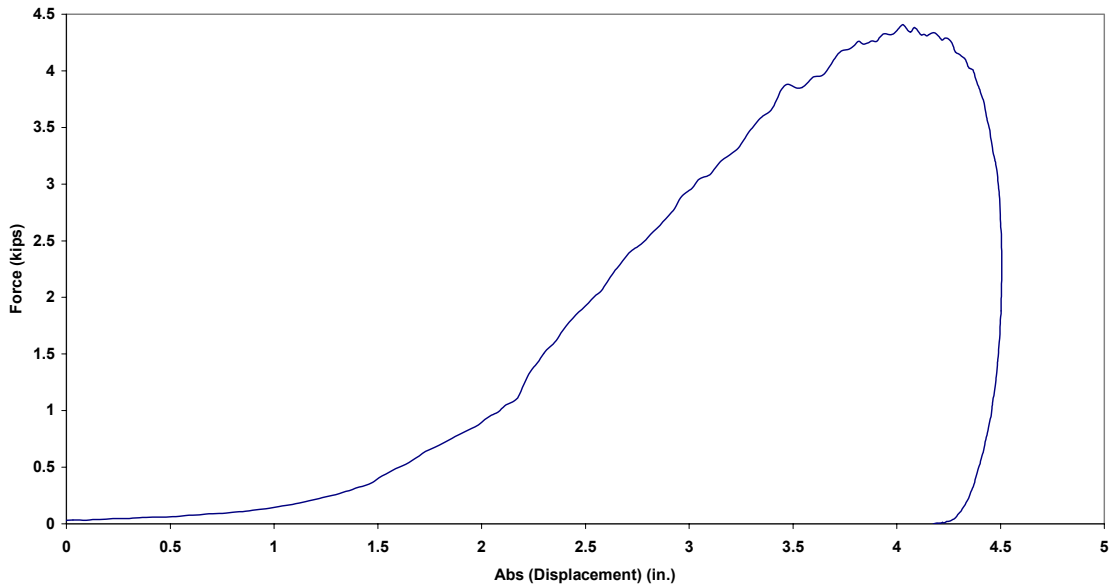


Figure B.177.4 Case 10N: Force vs. Absolute Displacement

<b>1/2-inch Amsteel Blue (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1O	1	90	65
Test 2O	2	84	65
Test 3O	3	78	65
Test 4O	4	72	65
Test 5O	5	66	65
Test Sequence Two			
Test 6O	6	58	85
Test 7O	7	70	85
Test 8O	8	82	85
Test 9O	9	88	85
Test Sequence Three			
Test 10O	10	54	125
Test 11O	11	54	125
Test 12O	12	54	125
Test 13O	13	54	105
Test 14O	14	54	85
Test 15O	15	54	85
Test 16O	16	54	65

Table B.5.1 Test Sequence for 1/2 in. Amsteel Blue (New)

<b>1/2-inch Amsteel Blue (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1P	1	97	65
Test 2P	2	91	65
Test 3P	3	85	65
Test 4P	4	79	65
Test 5P	5	73	65
Test 6P	6	67	65
Test Sequence Two			
Test 7P	7	60	85
Test 8P	8	72	85
Test 9P	9	84	85
Test 10P	10	90	85

Table B.5.2 Test Sequence for 1/2 in. Amsteel Blue (Precycled)

<b>3/8-inch Amsteel Blue (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1Q	1	56	25
Test 2Q	2	56	65
Test 3Q	3	56	85
Test 4Q	4	56	105
Test 5Q	5	56	125
Test 6Q	6	56	125
Test 7Q	7	56	125
Test 8Q	8	56	125

Table B.5.3 Test Sequence for 3/8 in. Amsteel Blue (Precycled)

<b>3/8-inch Amsteel Blue (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1R	1	57	45
Test 2R	2	57	65
Test 3R	3	57	85
Test 4R	4	57	105
Test 5R	5	57	125

Table B.5.4 Test Sequence for 3/8 in. Amsteel Blue (New)

Case 10: New 1/2 in. Amsteel Blue (65 lb from 90 in.)

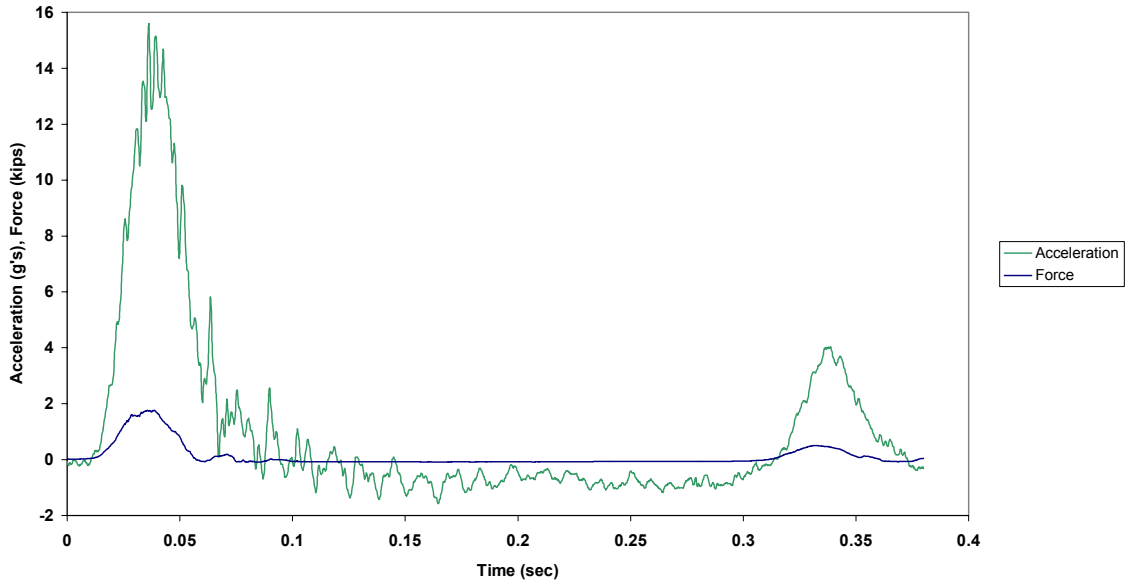


Figure B.178.1 Case 10: Force and Acceleration vs. Time

Case 10: New 1/2 in. Amsteel Blue (65 lb from 90 in.)

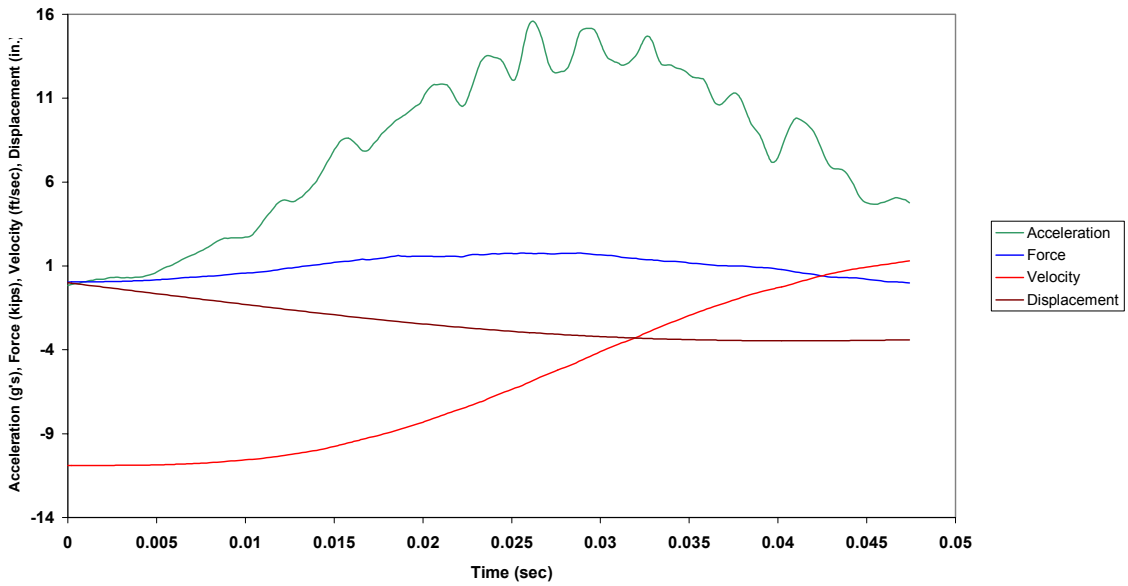


Figure B.178.2 Case 10: Combined Plot

Case 10: New 1/2 in. Amsteel Blue (65 lb from 90 in.)

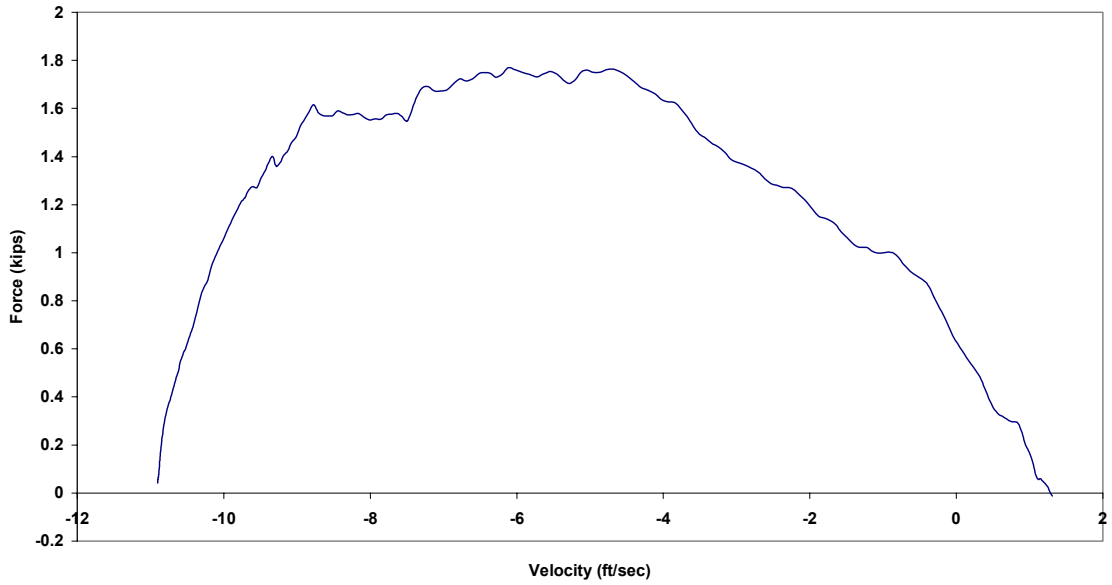


Figure B.178.3 Case 10: Force vs. Velocity

Case 10: New 1/2 in. Amsteel Blue (65 lb from 90 in.)

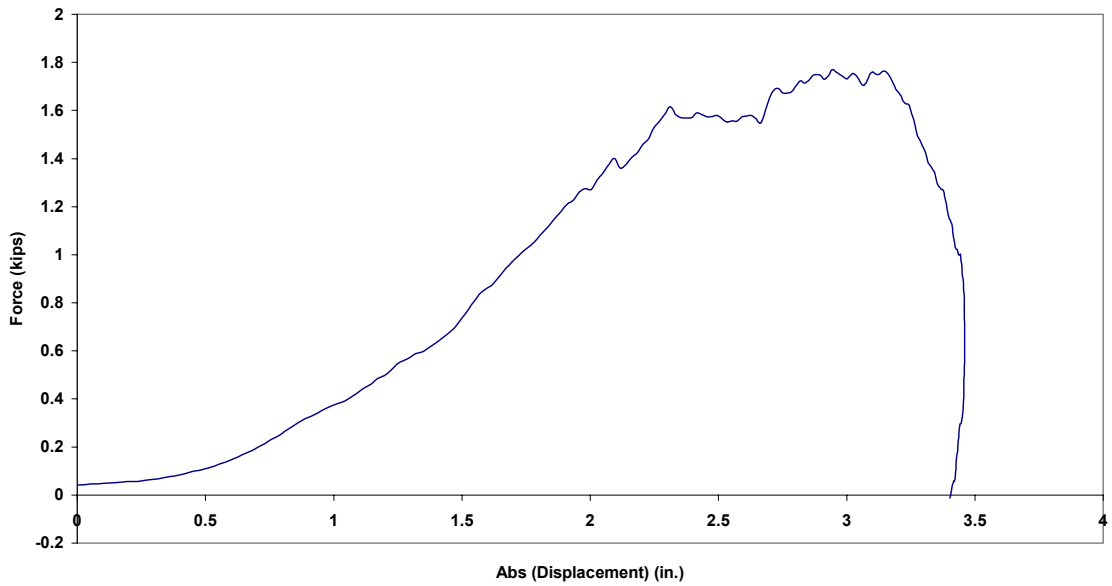


Figure B.178.4 Case 10: Force vs. Absolute Displacement



Case 20: New 1/2 in. Amsteel Blue (65 lb from 84 in.)

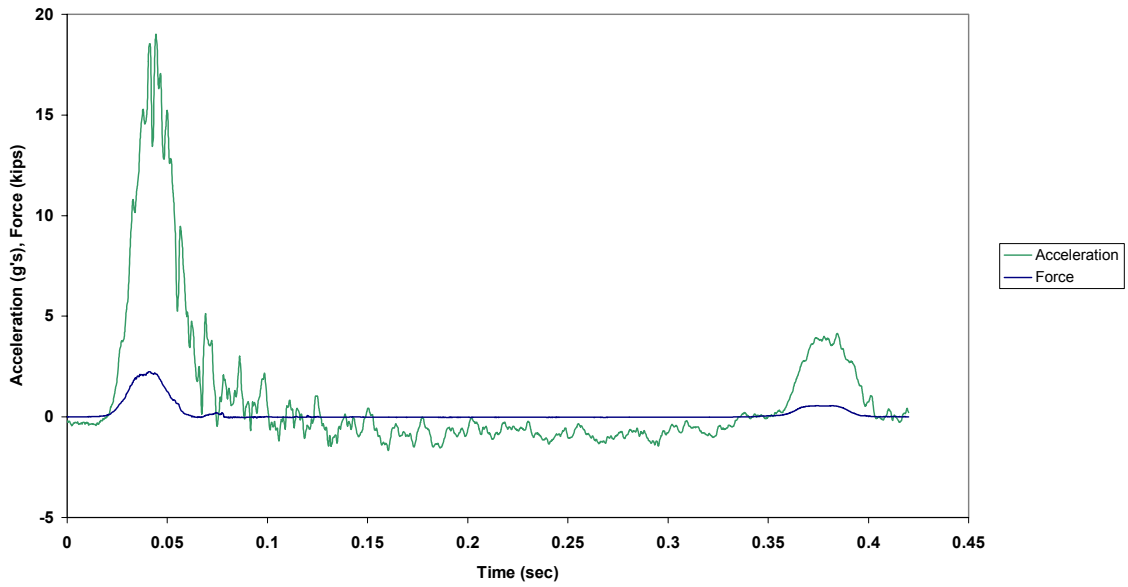


Figure B.179.1 Case 20: Force and Acceleration vs. Time

Case 20: New 1/2 in. Amsteel Blue (65 lb from 84 in.)

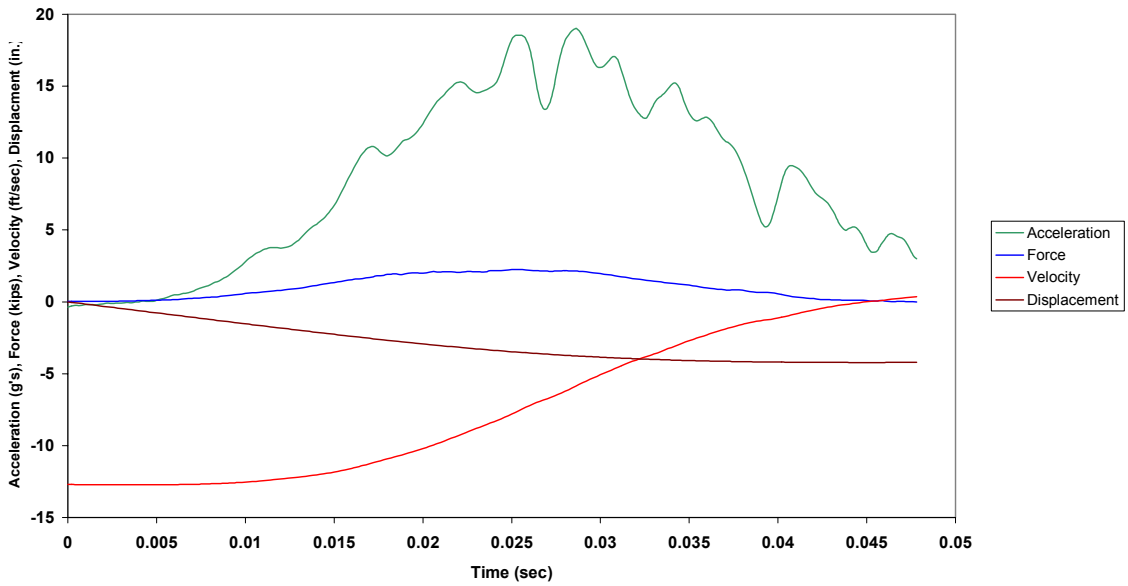


Figure B.179.2 Case 20: Combined Plot

Case 20: New 1/2 in. Amsteel Blue (65 lb from 84 in.)



Figure B.179.3 Case 20: Force vs. Velocity

Case 20: New 1/2 in. Amsteel Blue (65 lb from 84 in.)

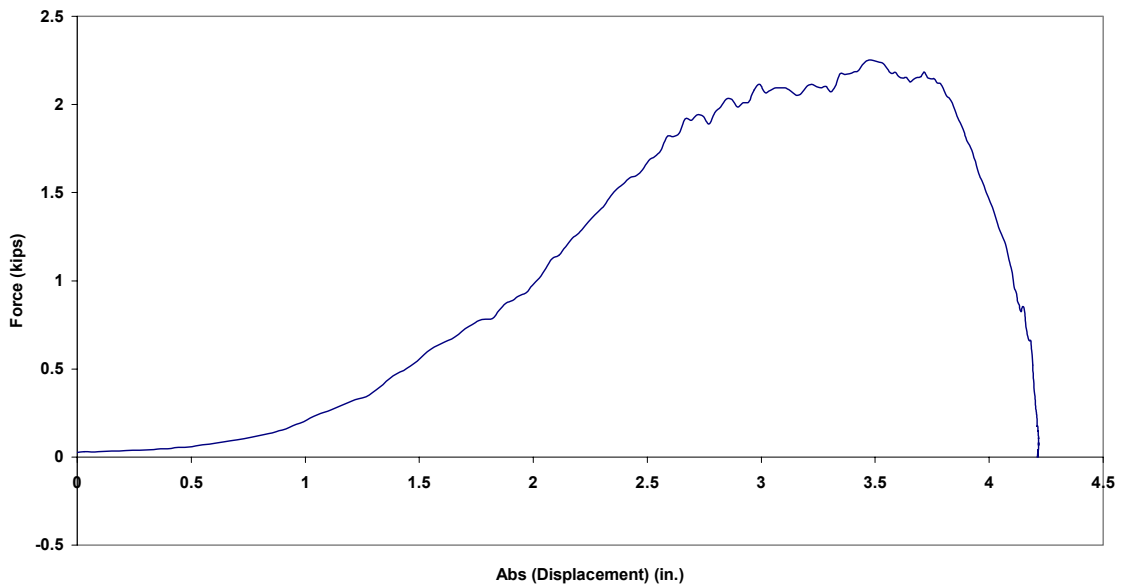


Figure B.179.4 Case 20: Force vs. Absolute Displacement

Case 30: New 1/2 in. Amsteel Blue (65 lb from 78 in.)

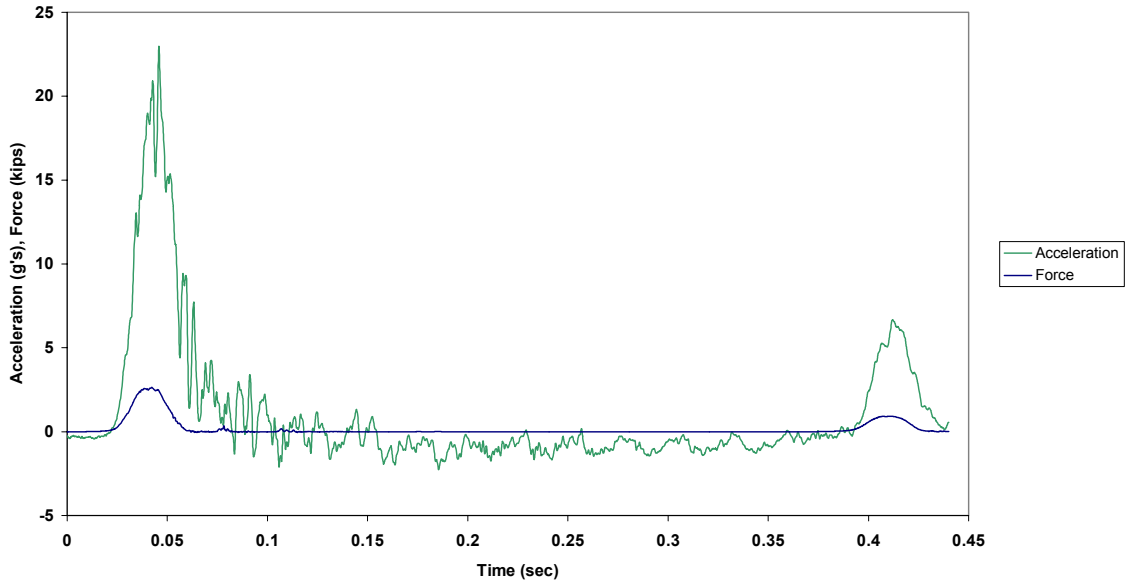


Figure B.180.1 Case 30: Force and Acceleration vs. Time

Case 30: New 1/2 in. Amsteel Blue (65 lb from 78 in.)

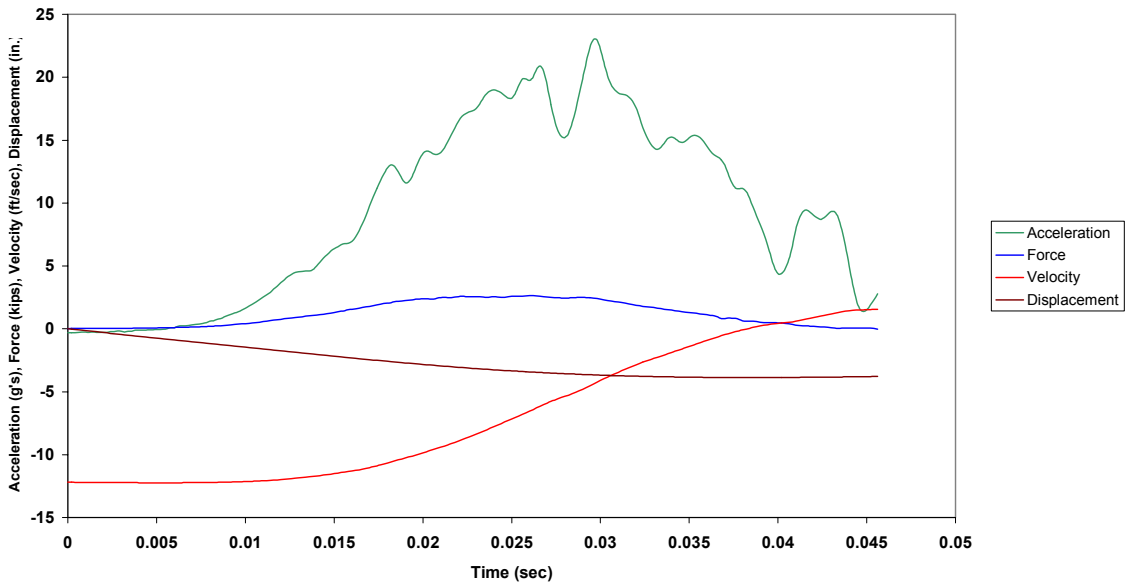


Figure B.180.2 Case 30: Combined Plot

Case 3O: New 1/2 in. Amsteel Blue (65 lb from 78 in.)

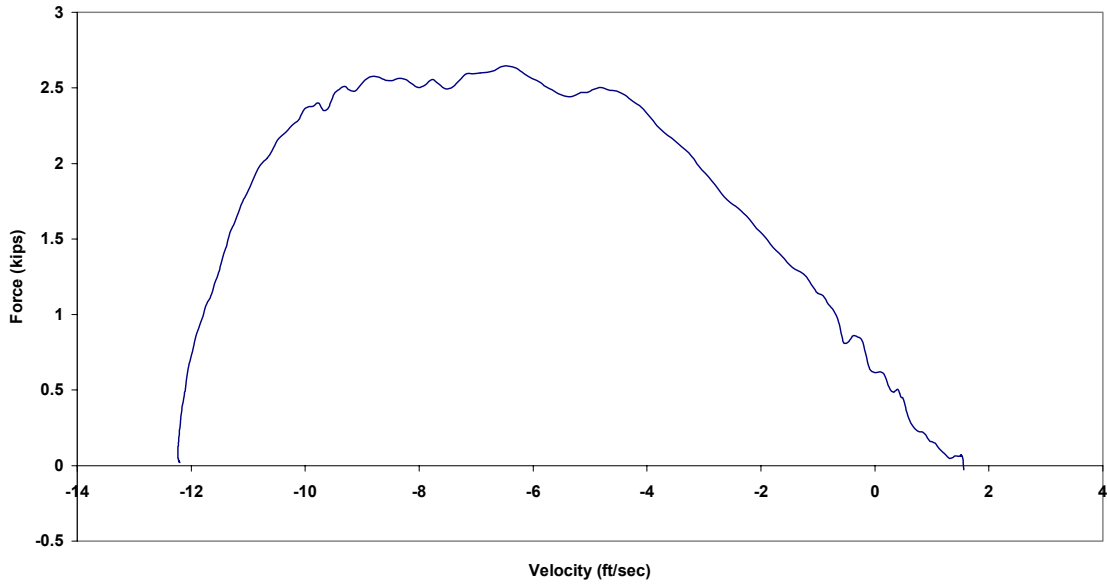


Figure B.180.3 Case 3O: Force vs. Velocity

Case 3O: New 1/2 in. Amsteel Blue (65 lb from 78 in.)

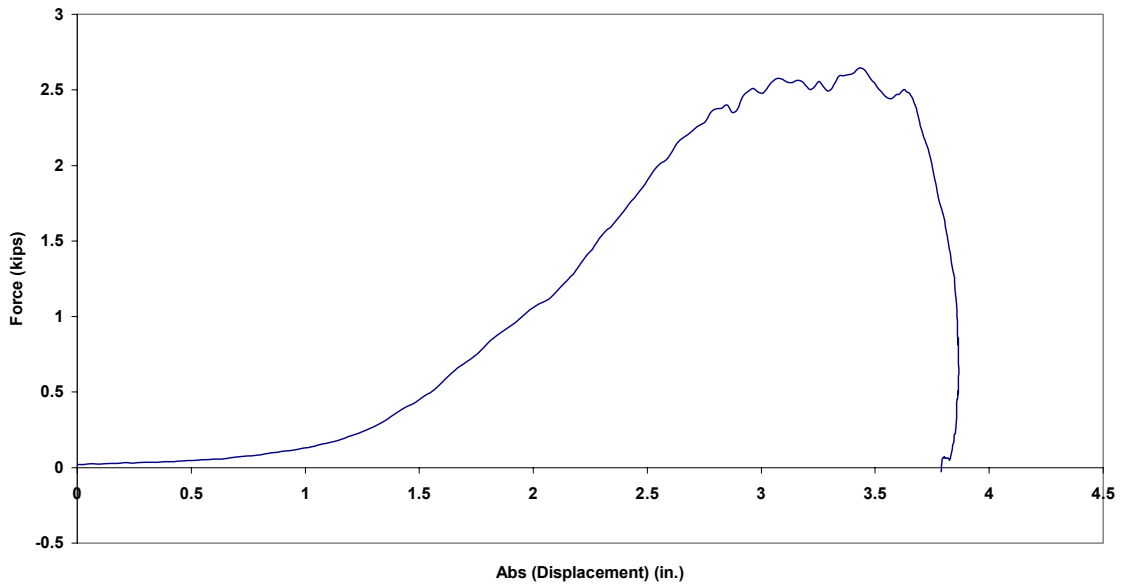


Figure B.180.4 Case 3O: Force vs. Absolute Displacement

Case 40: New 1/2 in. Amsteel Blue (65 lb from 72 in.)

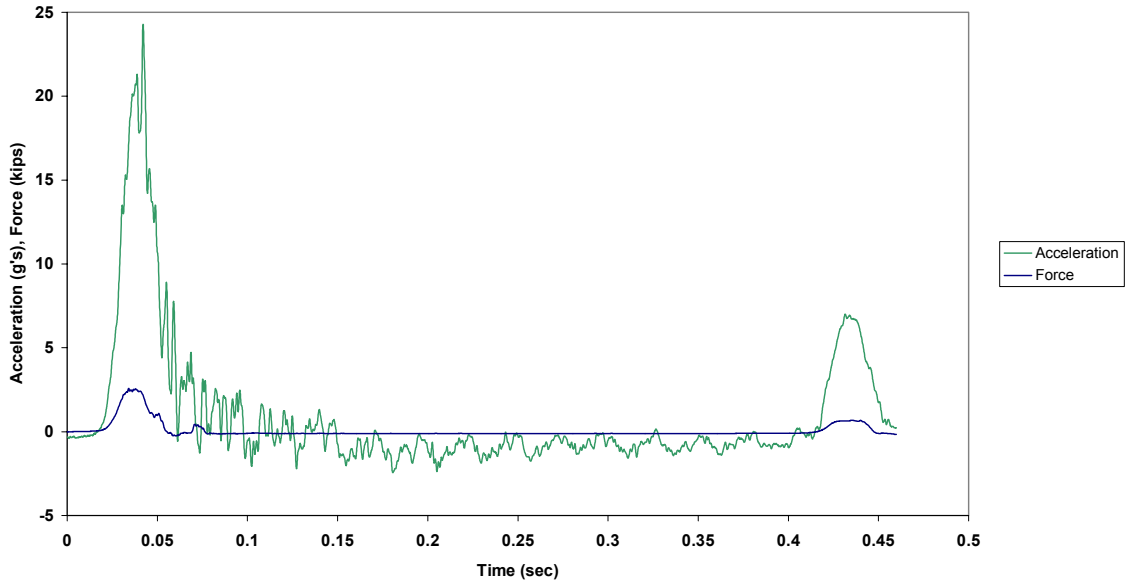


Figure B.181.1 Case 40: Force and Acceleration vs. Time

Case 40: New 1/2 in. Amsteel Blue (65 lb from 72 in.)

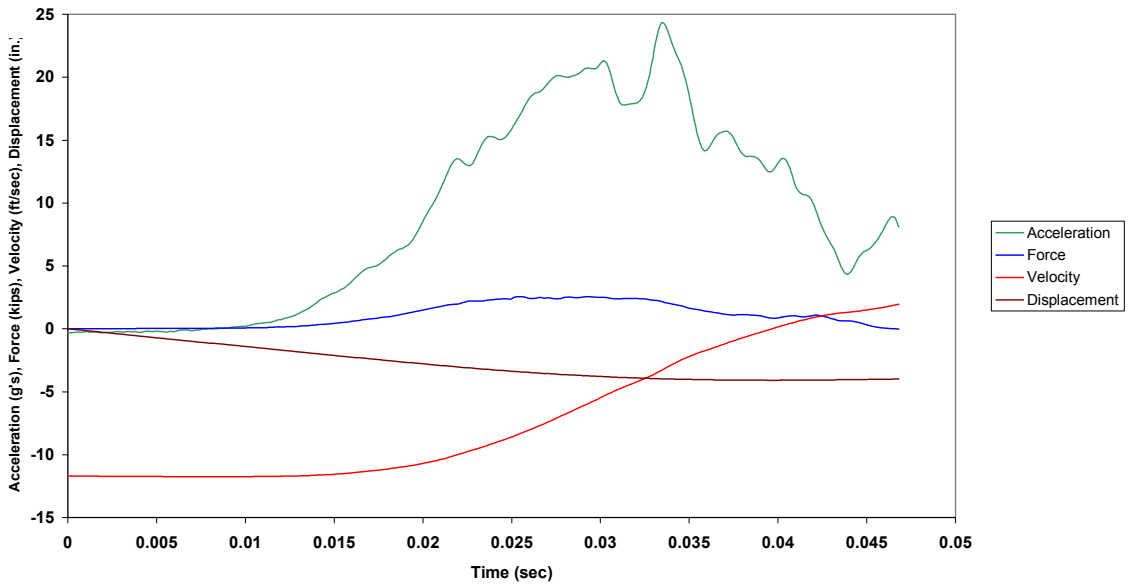


Figure B.181.2 Case 40: Combined Plot

Case 40: New 1/2 in. Amsteel Blue (65 lb from 72 in.)

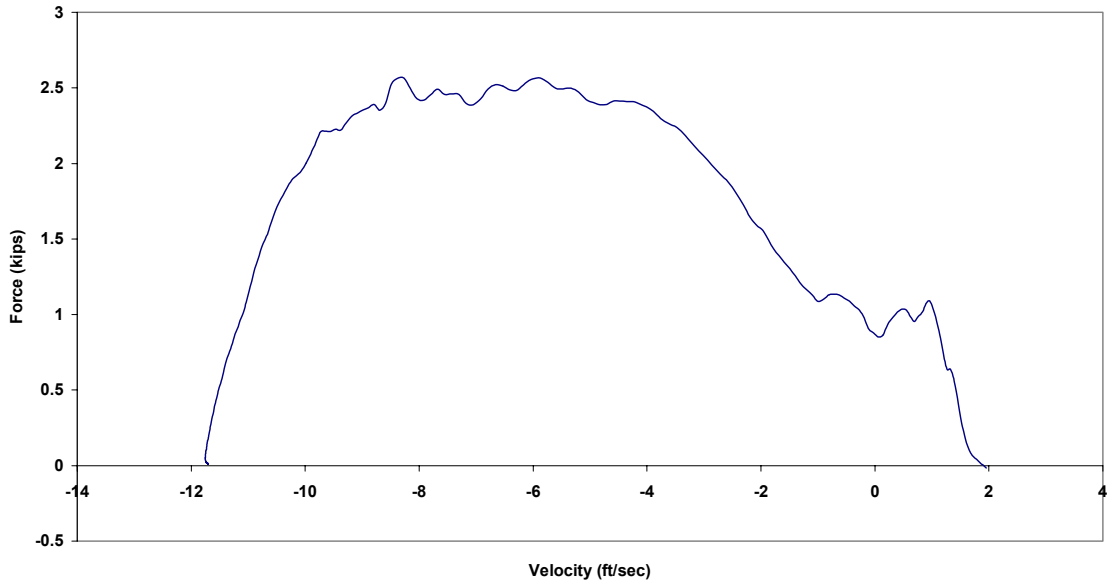


Figure B.181.3 Case 40: Force vs. Velocity

Case 40: New 1/2 in. Amsteel Blue (65 lb from 72 in.)

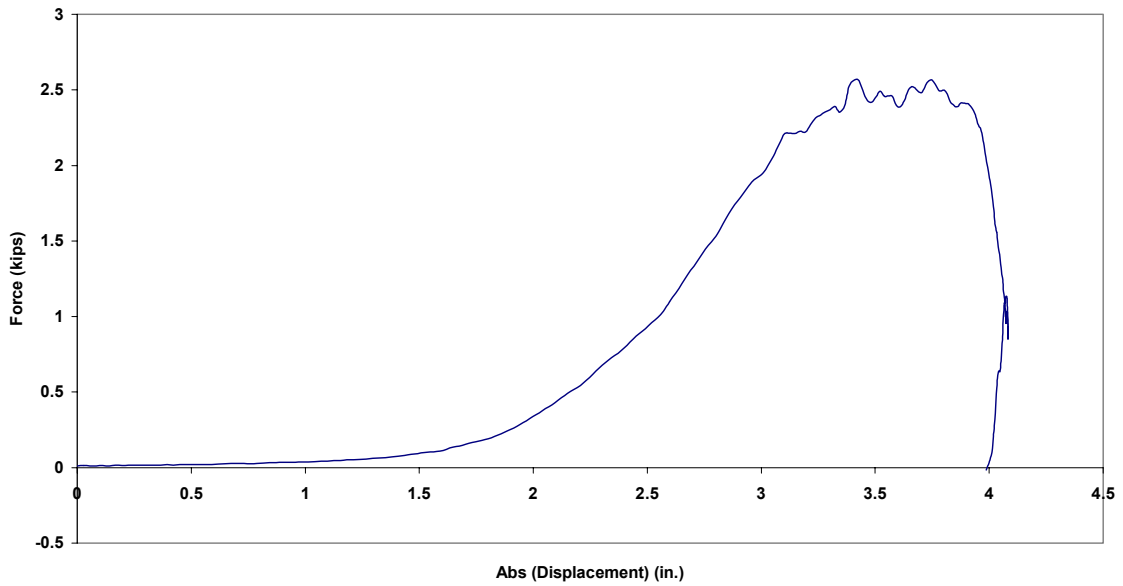


Figure B.181.4 Case 40: Force vs. Absolute Displacement

Case 50: New 1/2 in. Amsteel Blue (65 lb from 66 in.)

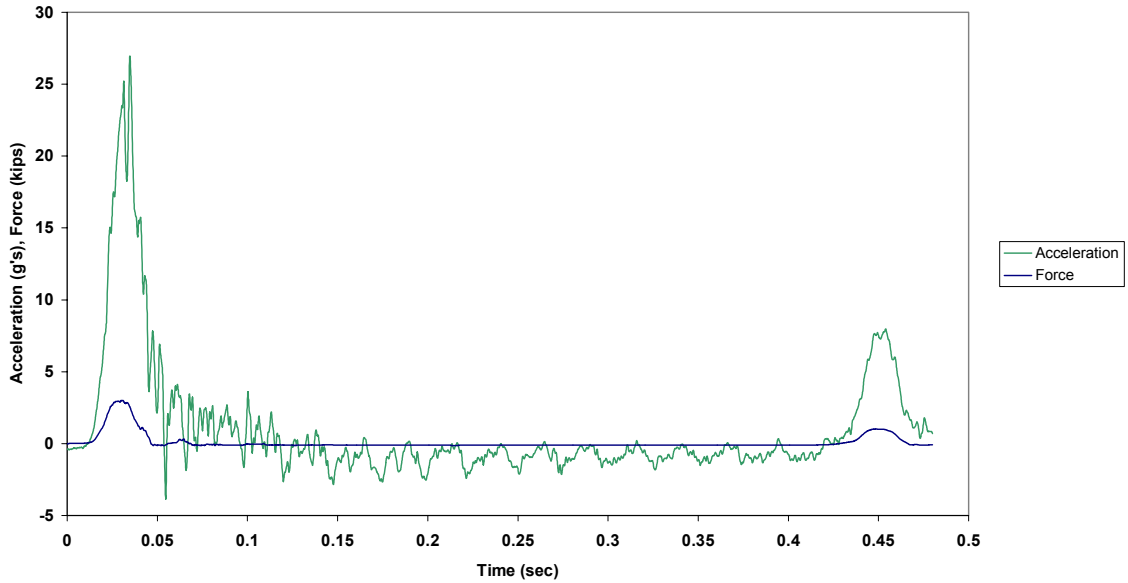


Figure B.182.1 Case 50: Force and Acceleration vs. Time

Case 50: New 1/2 in. Amsteel Blue (65 lb from 66 in.)

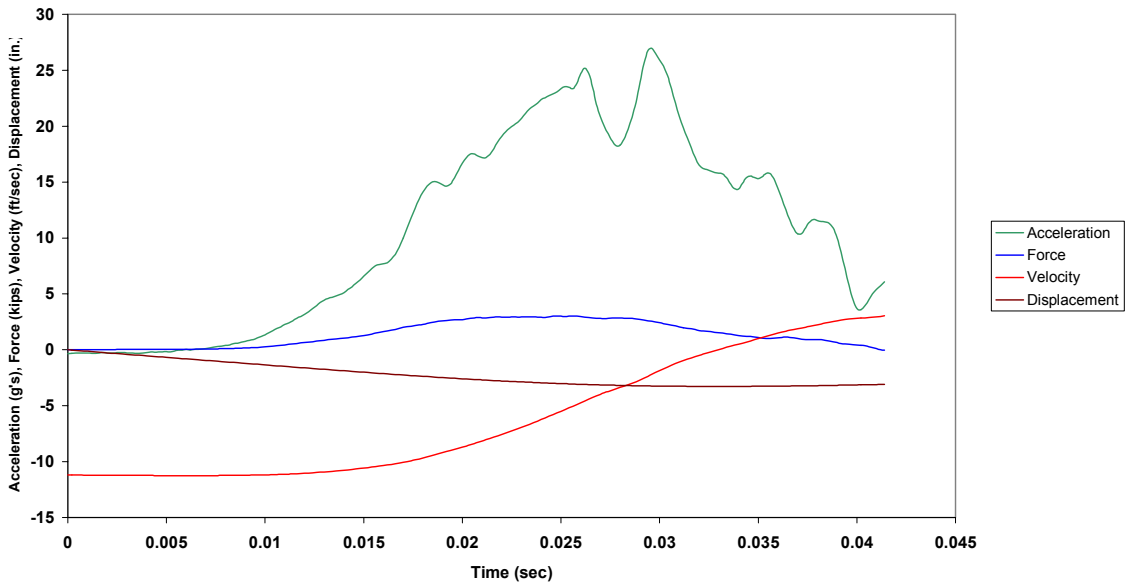


Figure B.182.2 Case 50: Combined Plot

Case 50: New 1/2 in. Amsteel Blue (65 lb from 66 in.)

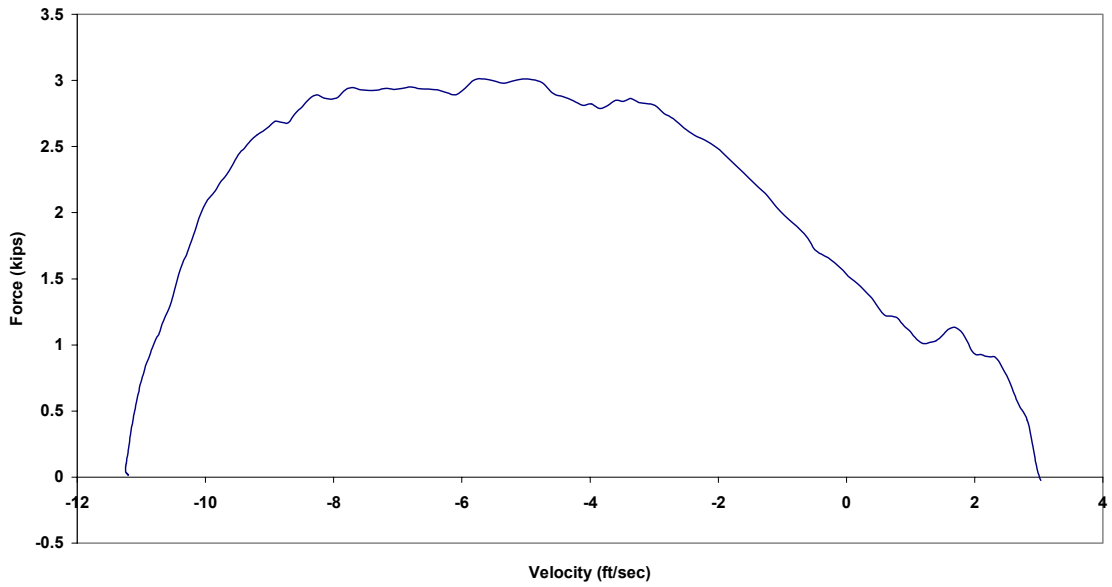


Figure B.182.3 Case 50: Force vs. Velocity

Case 50: New 1/2 in. Amsteel Blue (65 lb from 66 in.)

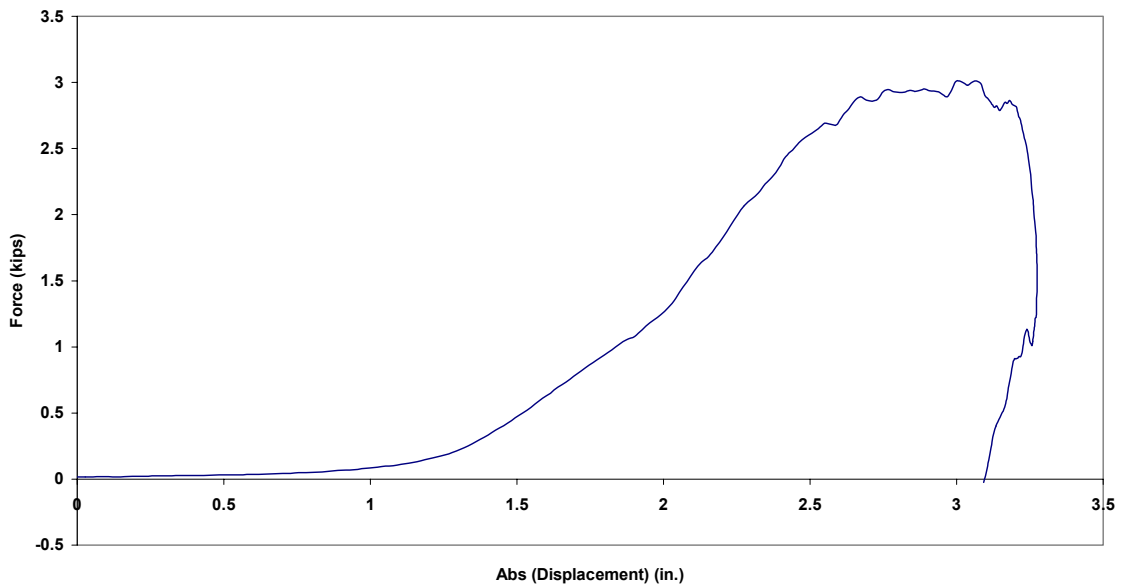


Figure B.182.4 Case 50: Force vs. Absolute Displacement



Case 60: New 1/2 in. Amsteel Blue (85 lb from 58 in.)

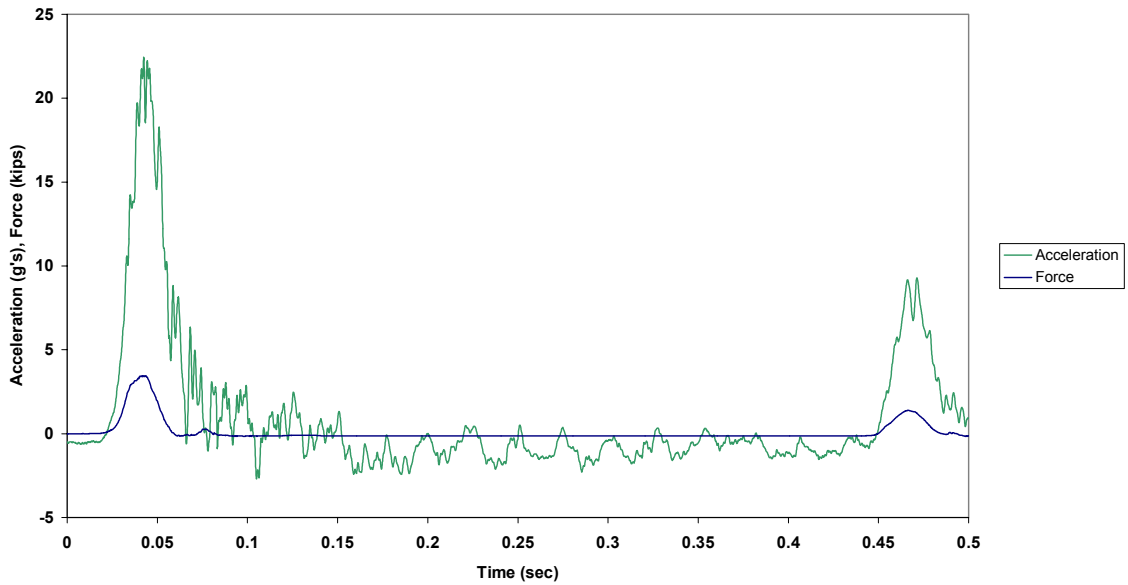


Figure B.183.1 Case 60: Force and Acceleration vs. Time

Case 60: New 1/2 in. Amsteel Blue (85 lb from 58 in.)

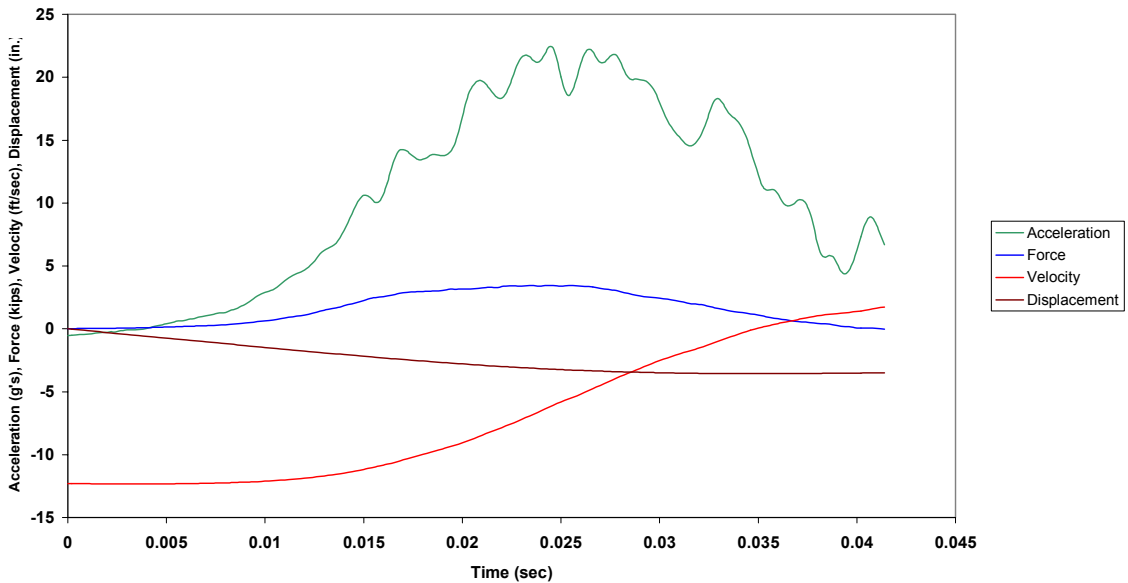


Figure B.183.2 Case 60: Combined Plot

Case 60: New 1/2 in. Amsteel Blue (85 lb from 58 in.)

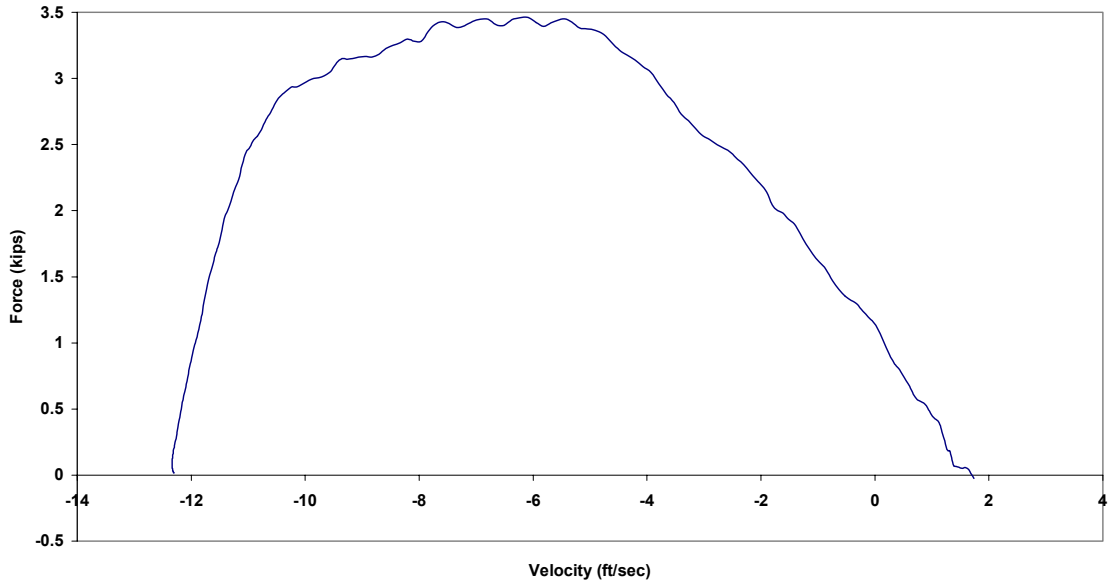


Figure B.183.3 Case 60: Force vs. Velocity

Case 60: New 1/2 in. Amsteel Blue (85 lb from 58 in.)



Figure B.183.4 Case 60: Force vs. Absolute Displacement

Case 70: New 1/2 in. Amsteel Blue (85 lb from 70 in.)

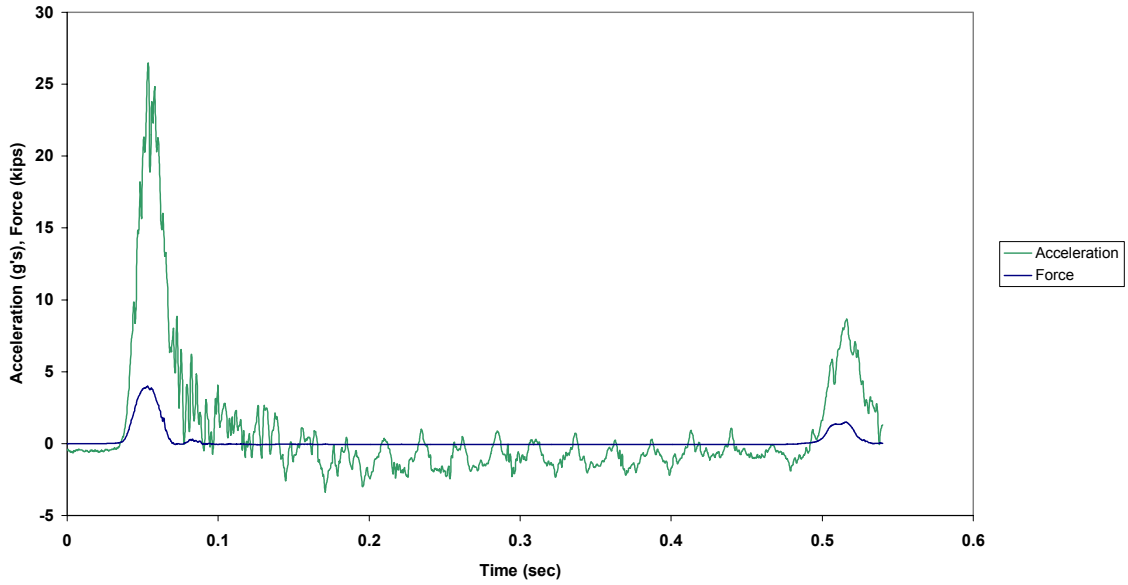


Figure B.184.1 Case 70: Force and Acceleration vs. Time

Case 70: New 1/2 in. Amsteel Blue (85 lb from 70 in.)

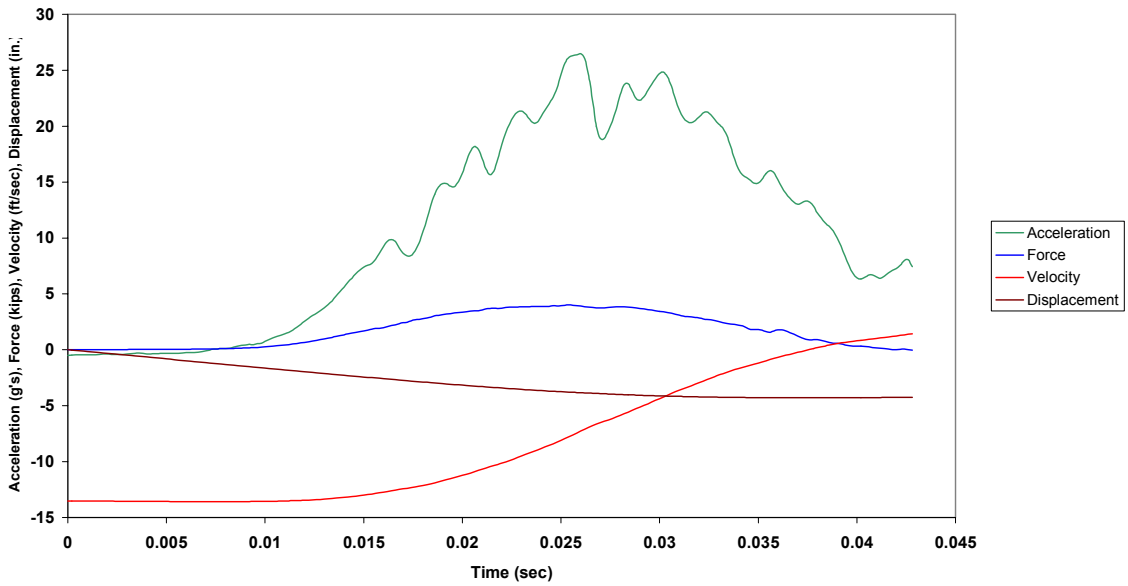


Figure B.184.2 Case 70: Combined Plot

Case 70: New 1/2 in. Amsteel Blue (85 lb from 70 in.)

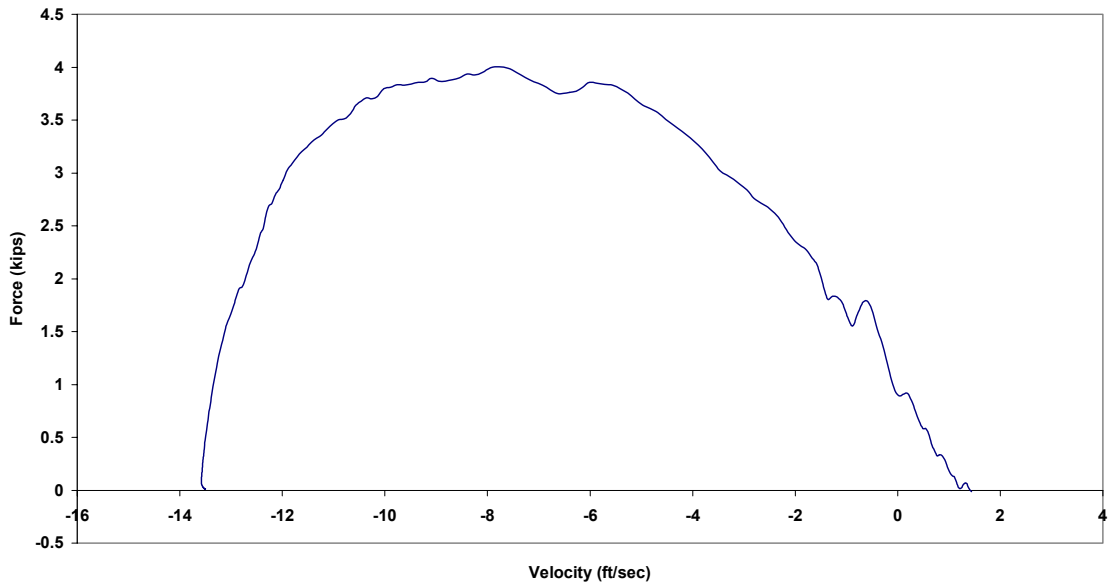


Figure B.184.3 Case 70: Force vs. Velocity

Case 70: New 1/2 in. Amsteel Blue (85 lb from 70 in.)

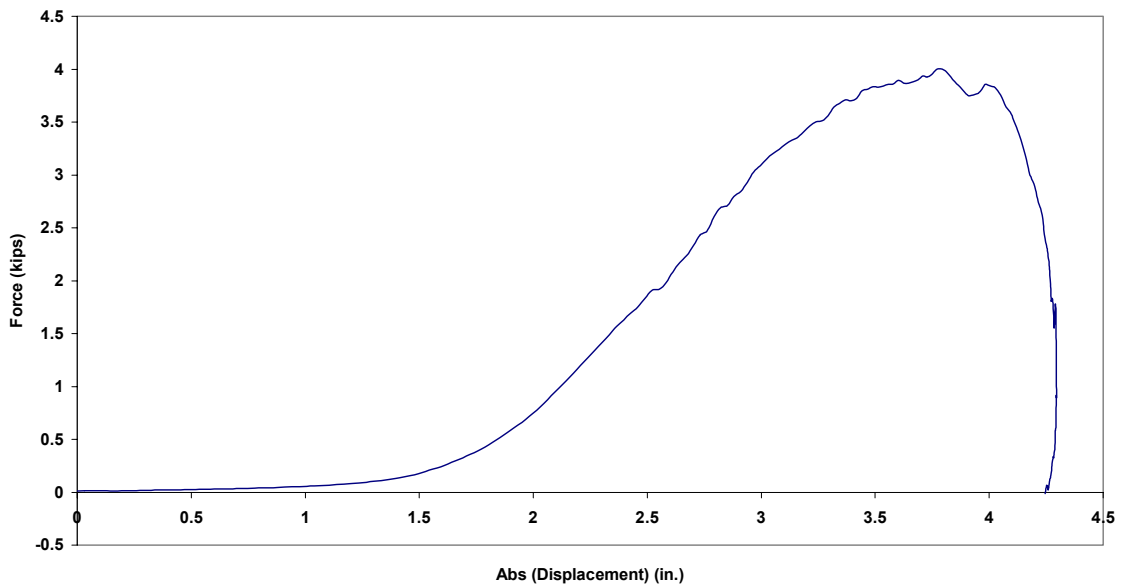


Figure B.184.4 Case 70: Force vs. Absolute Displacement

Case 80: New 1/2 in. Amsteel Blue (85 lb from 82 in.)

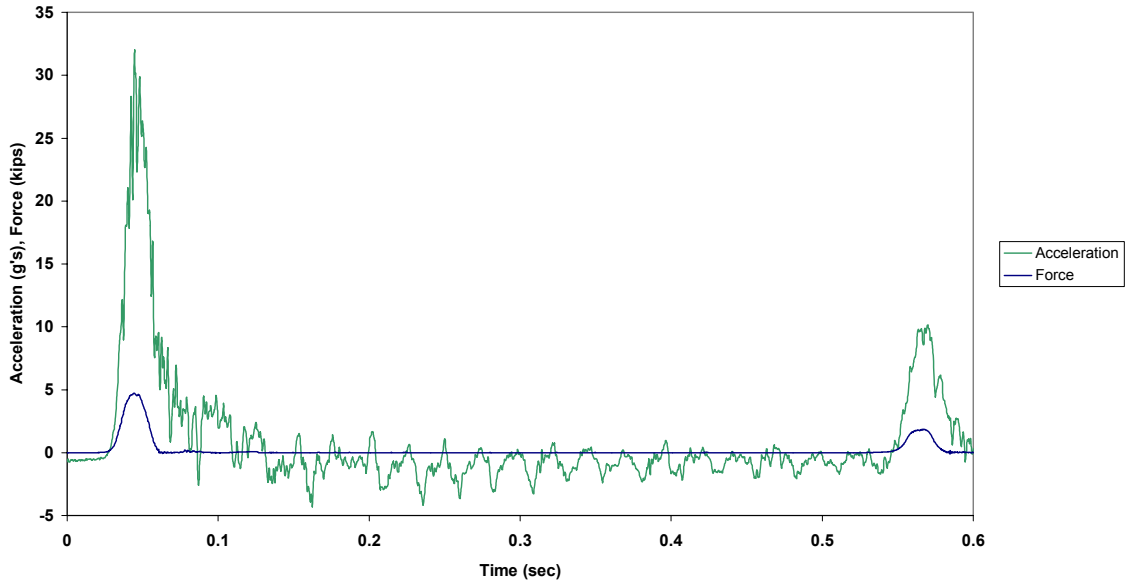


Figure B.185.1 Case 80: Force and Acceleration vs. Time

Case 80: New 1/2 in. Amsteel Blue (85 lb from 82 in.)

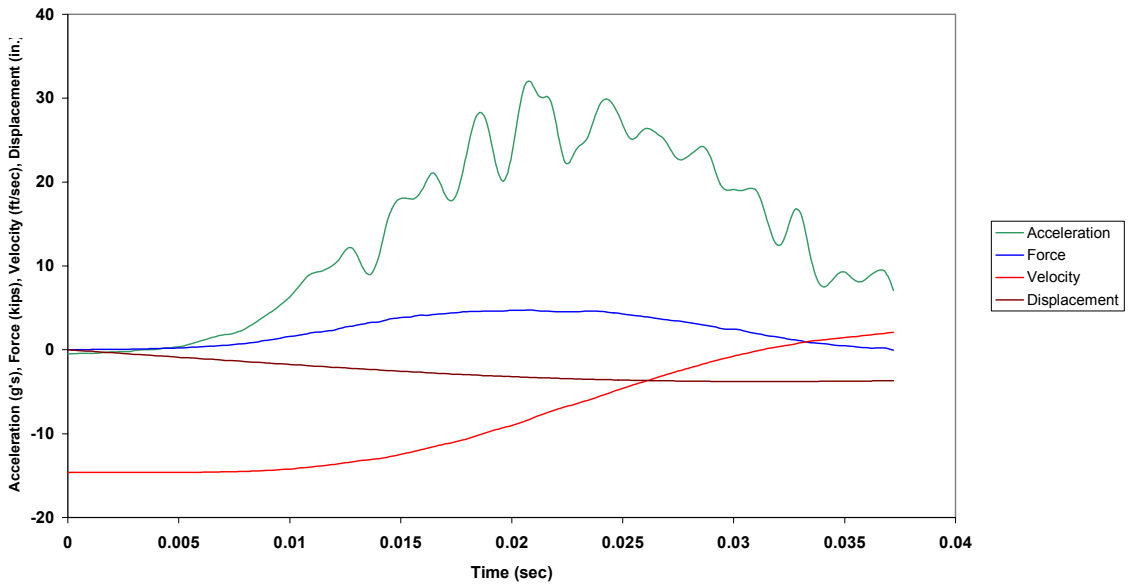


Figure B.185.2 Case 80: Combined Plot

Case 80: New 1/2 in. Amsteel Blue (85 lb from 82 in.)

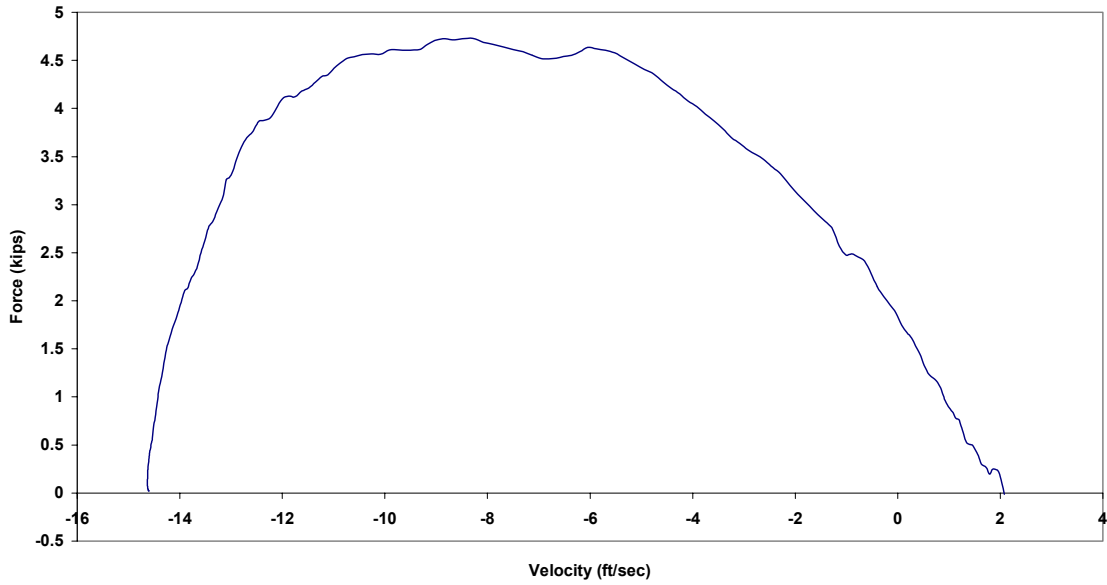


Figure B.185.3 Case 80: Force vs. Velocity

Case 80: New 1/2 in. Amsteel Blue (85 lb from 82 in.)

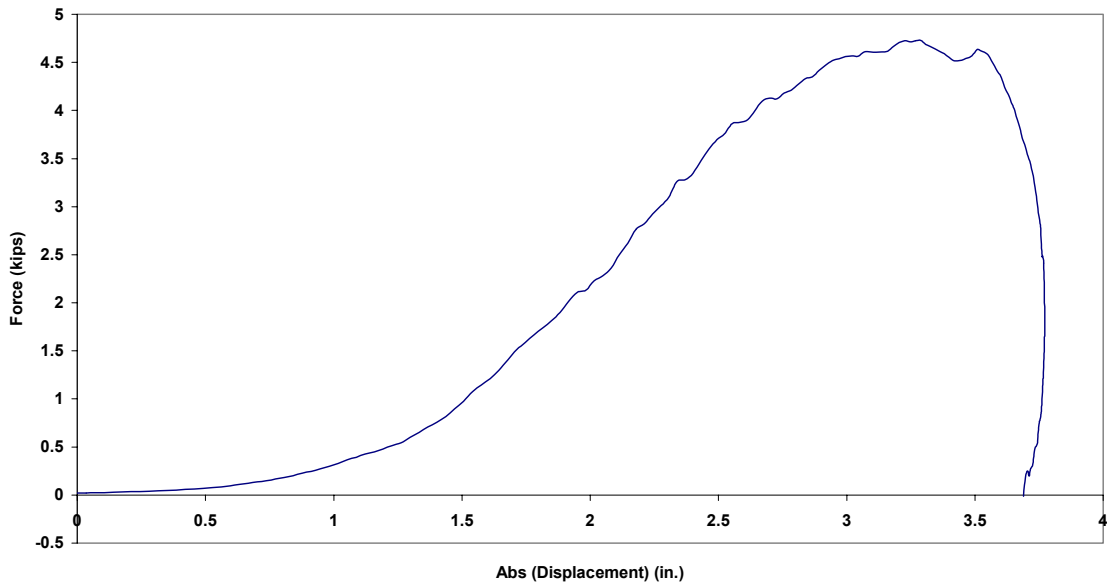


Figure B.185.4 Case 80: Force vs. Absolute Displacement

Case 90: New 1/2 in. Amsteel Blue (85 lb from 88 in.)

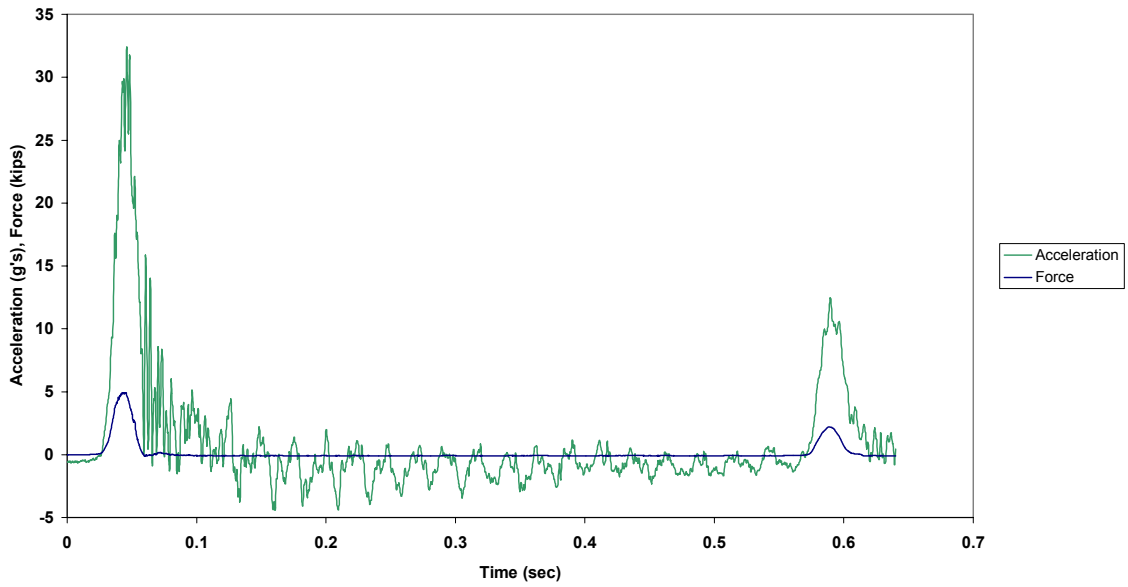


Figure B.186.1 Case 90: Force and Acceleration vs. Time

Case 90: New 1/2 in. Amsteel Blue (85 lb from 88 in.)

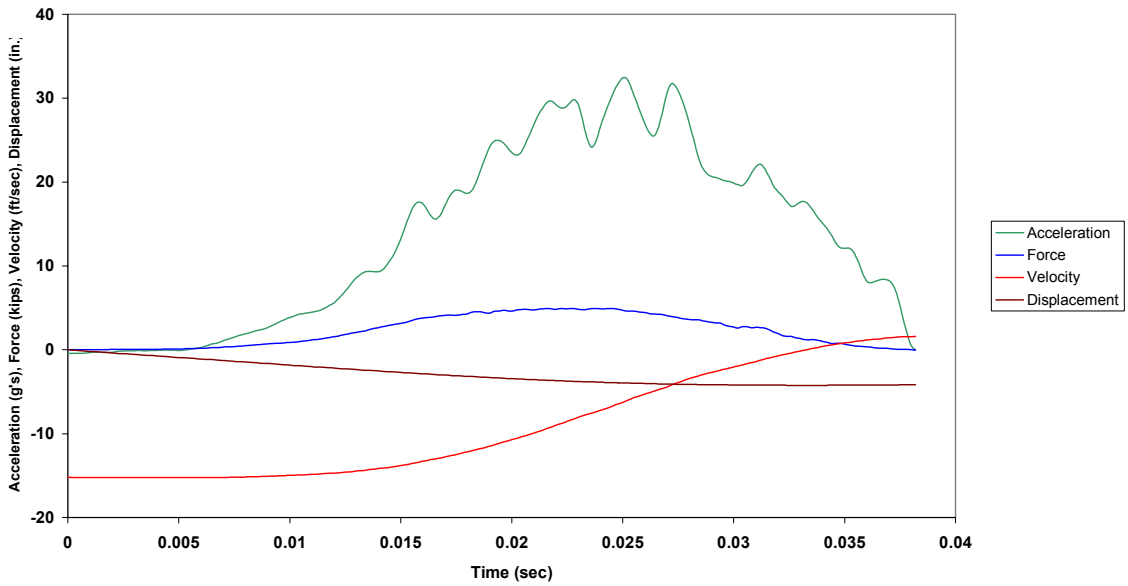


Figure B.186.2 Case 90: Combined Plot

Case 90: New 1/2 in. Amsteel Blue (85 lb from 88 in.)

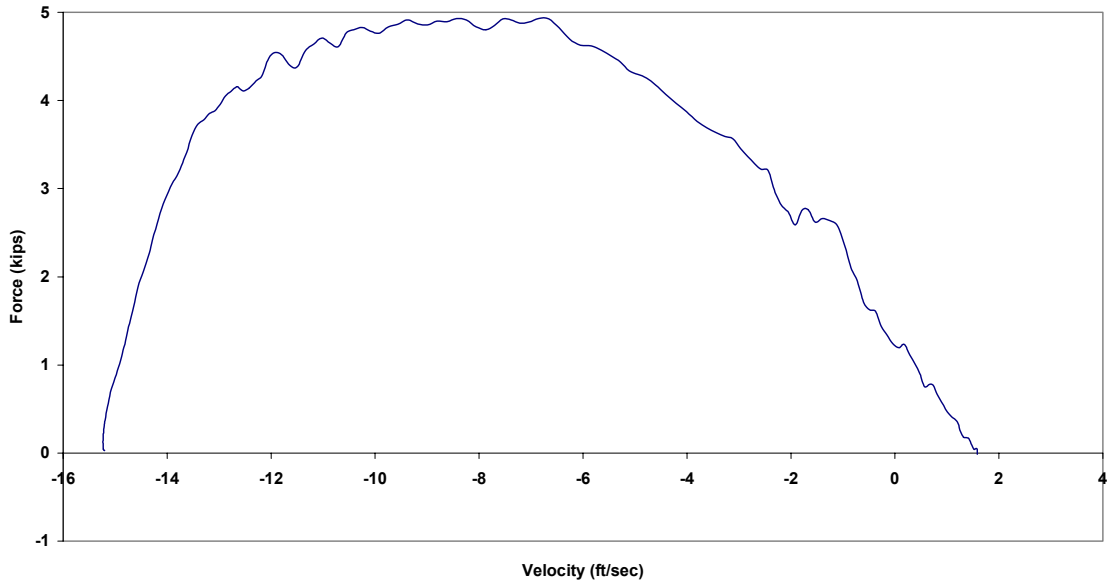


Figure B.186.3 Case 90: Force vs. Velocity

Case 90: New 1/2 in. Amsteel Blue (85 lb from 88 in.)

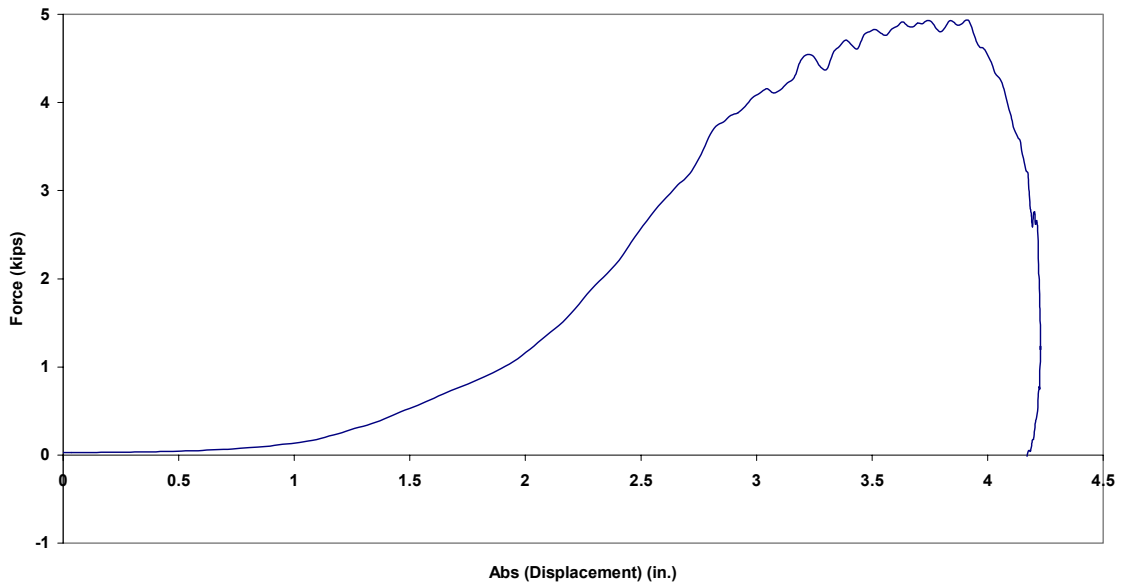


Figure B.186.4 Case 90: Force vs. Absolute Displacement



Case 100: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

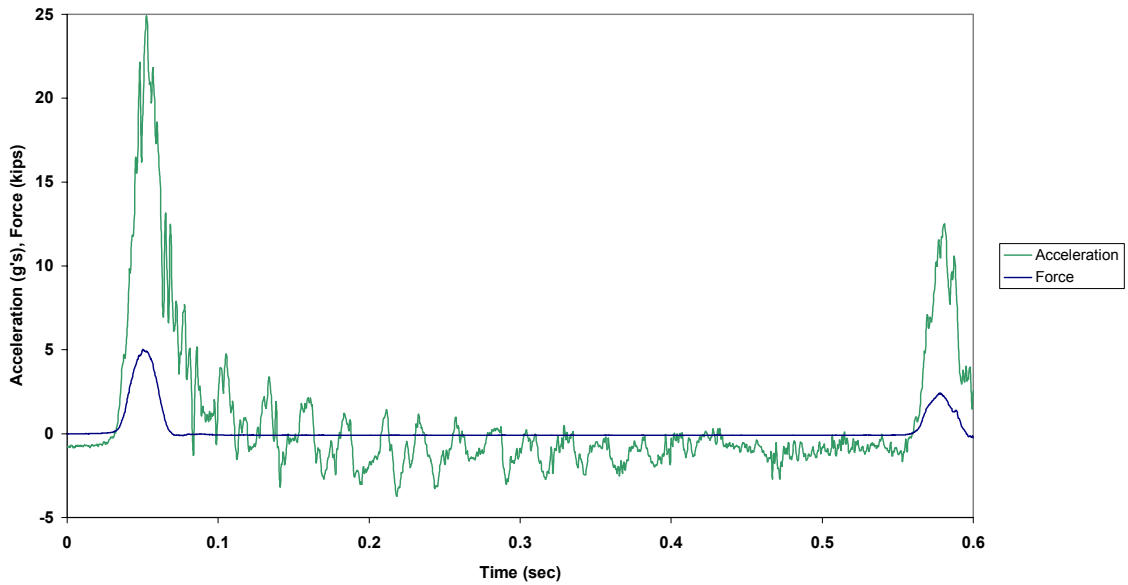


Figure B.187.1 Case 100: Force and Acceleration vs. Time

Case 100: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

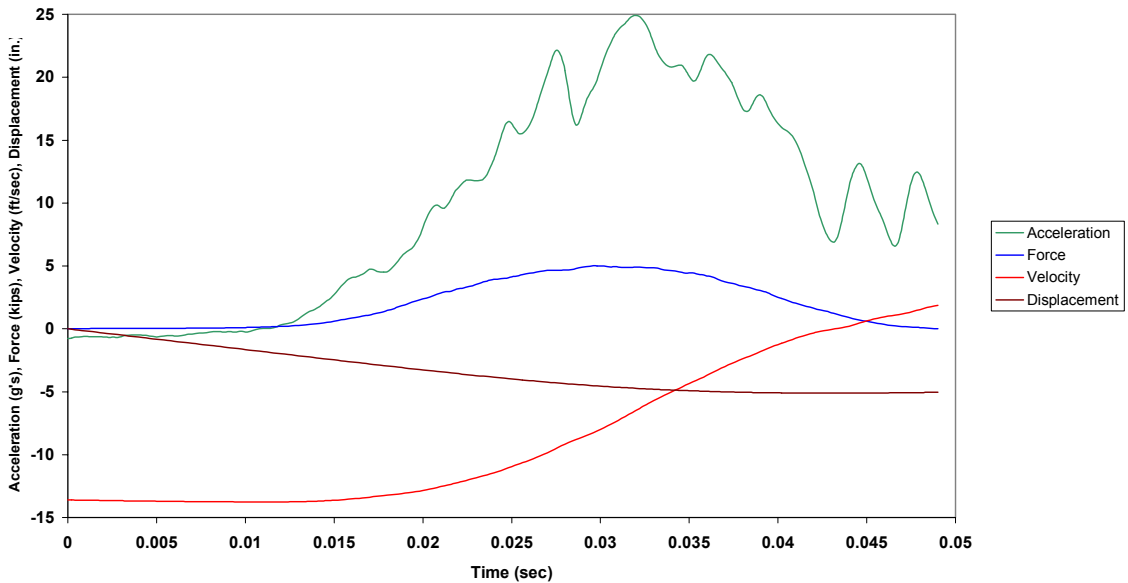


Figure B.187.2 Case 100: Combined Plot

Case 100: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

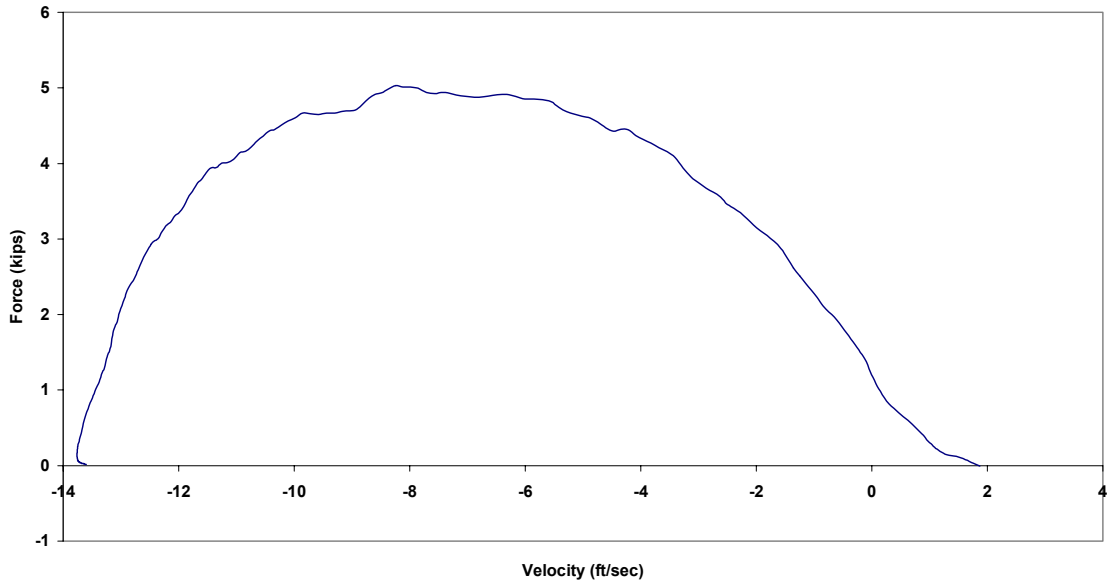


Figure B.187.3 Case 100: Force vs. Velocity

Case 100: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

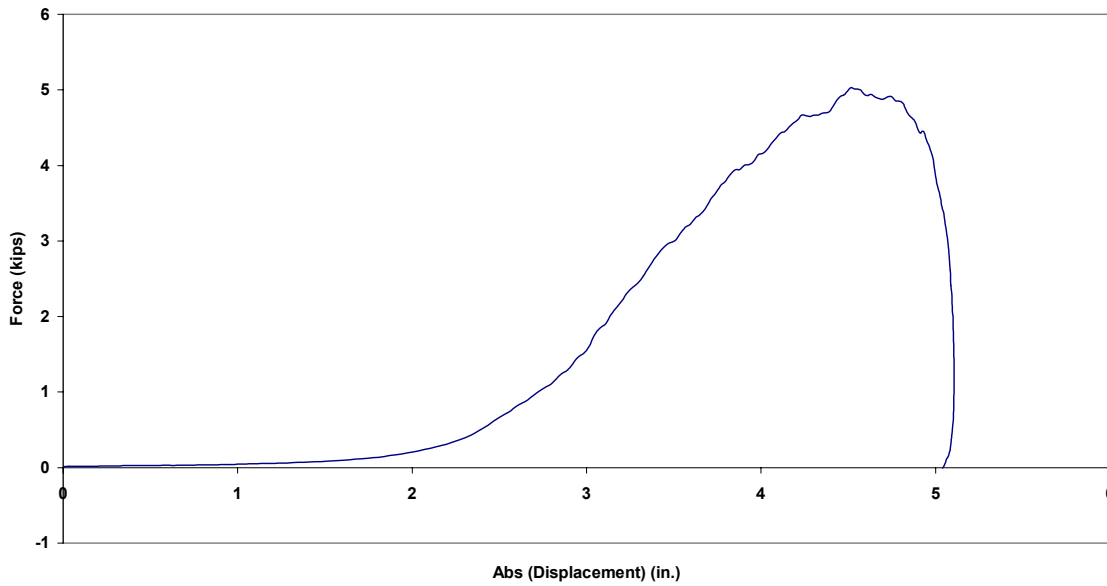


Figure B.187.4 Case 100: Force vs. Absolute Displacement

Case 110: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

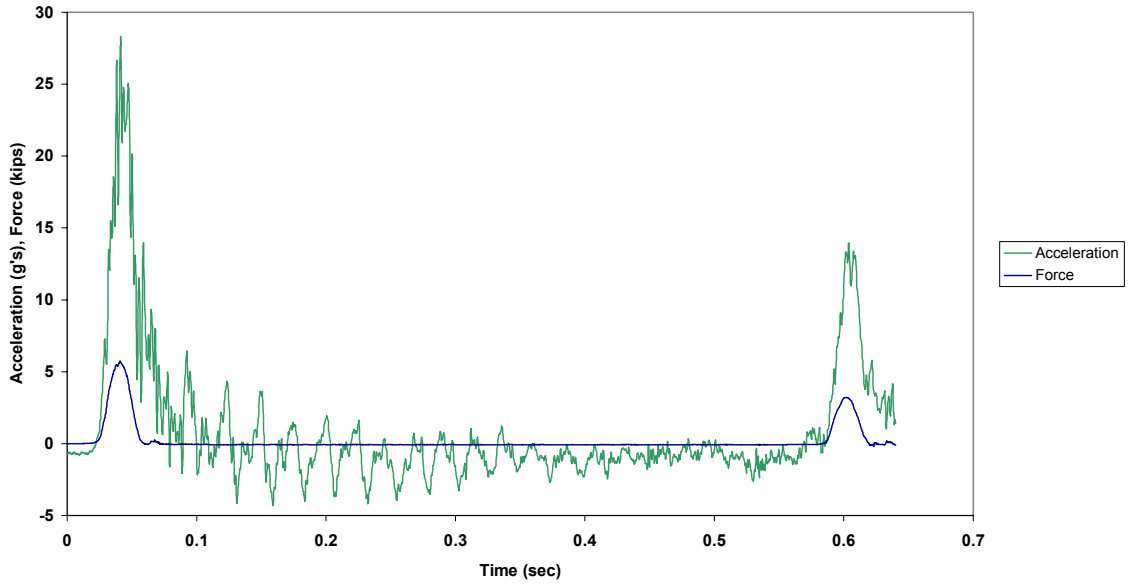


Figure B.188.1 Case 110: Force and Acceleration vs. Time

Case 110: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

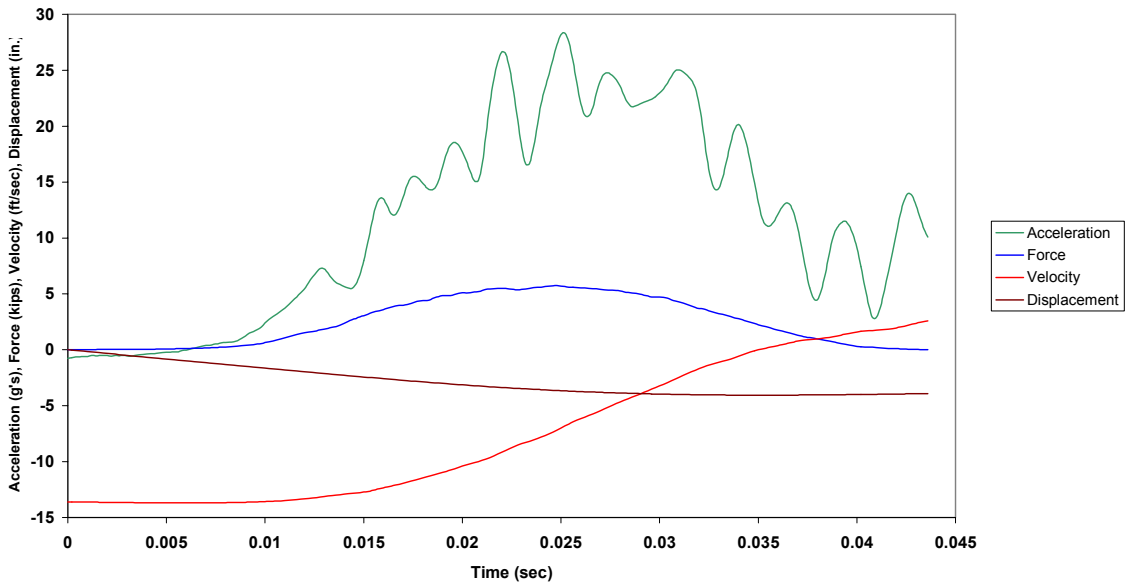


Figure B.188.2 Case 110: Combined Plot

Case 110: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

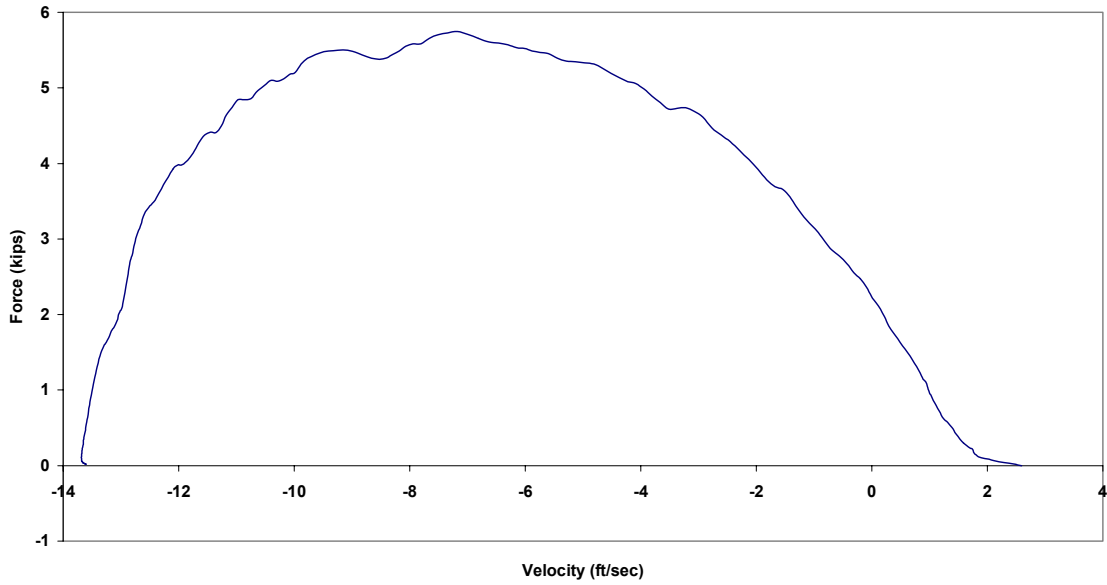


Figure B.188.3 Case 110: Force vs. Velocity

Case 110: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

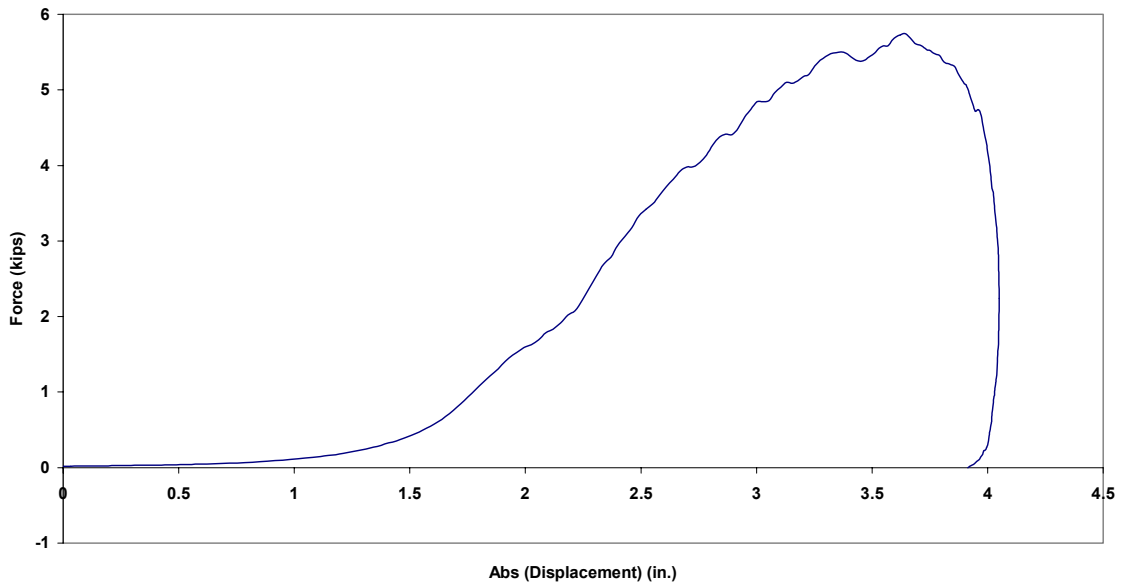


Figure B.188.4 Case 110: Force vs. Absolute Displacement

Case 120: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

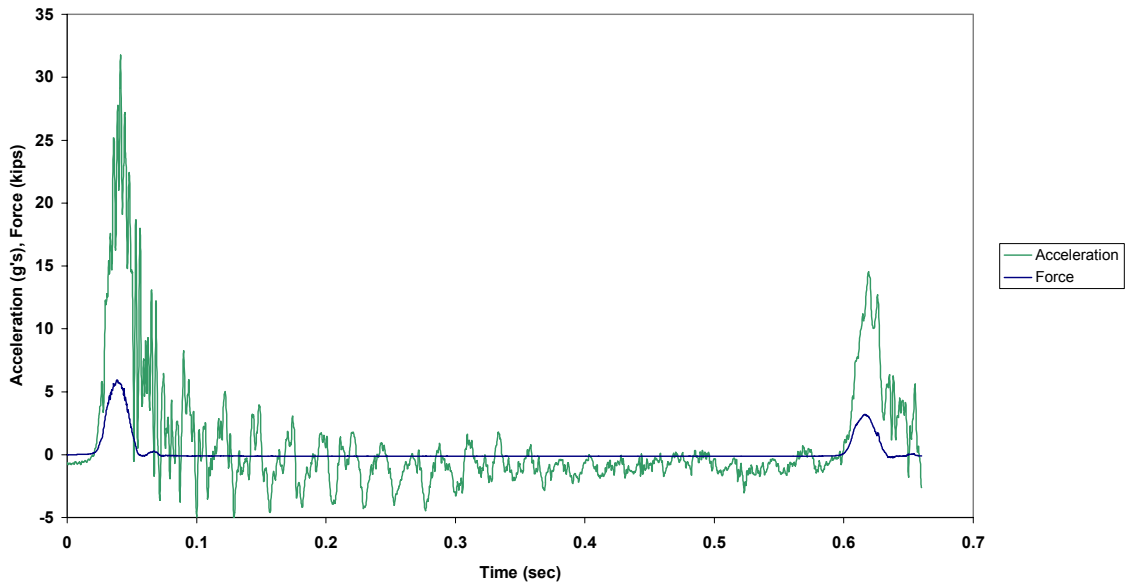


Figure B.189.1 Case 120: Force and Acceleration vs. Time

Case 120: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

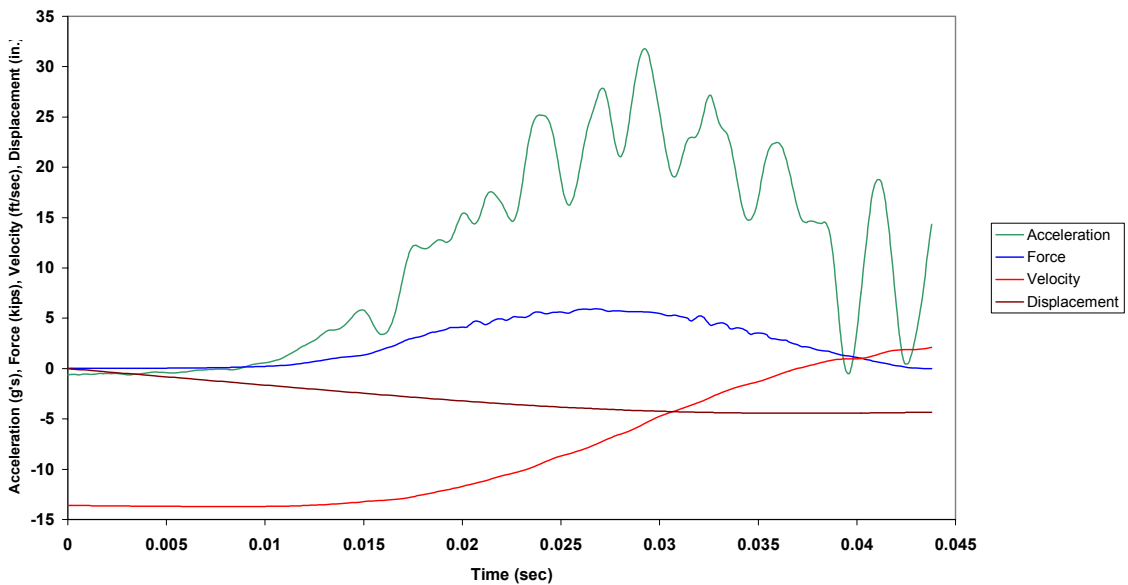


Figure B.189.2 Case 120: Combined Plot

Case 12O: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

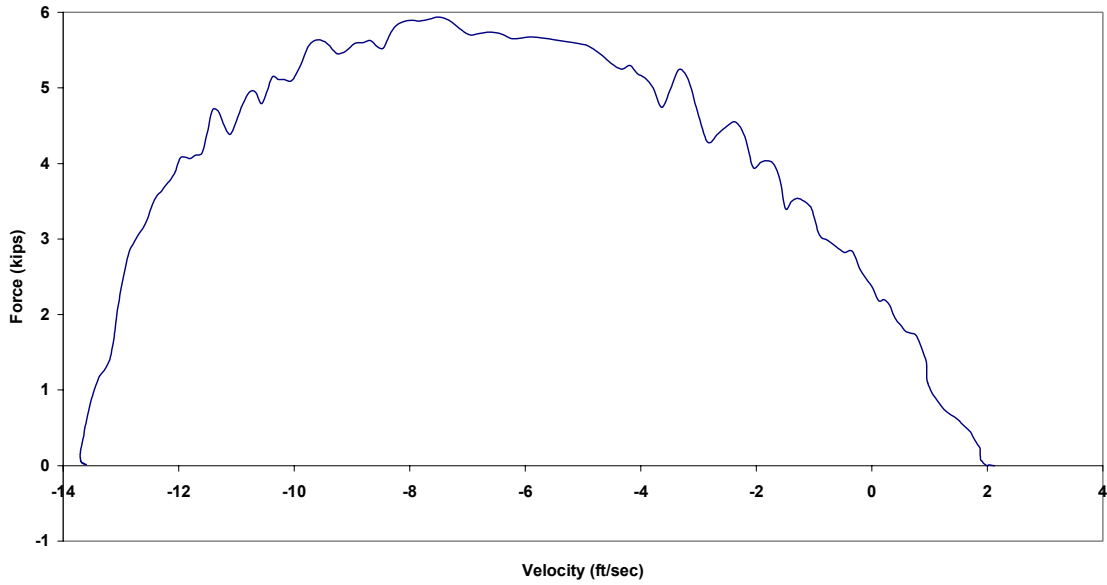


Figure B.189.3 Case 12O: Force vs. Velocity

Case 12O: New 1/2 in. Amsteel Blue (125 lb from 54 in.)

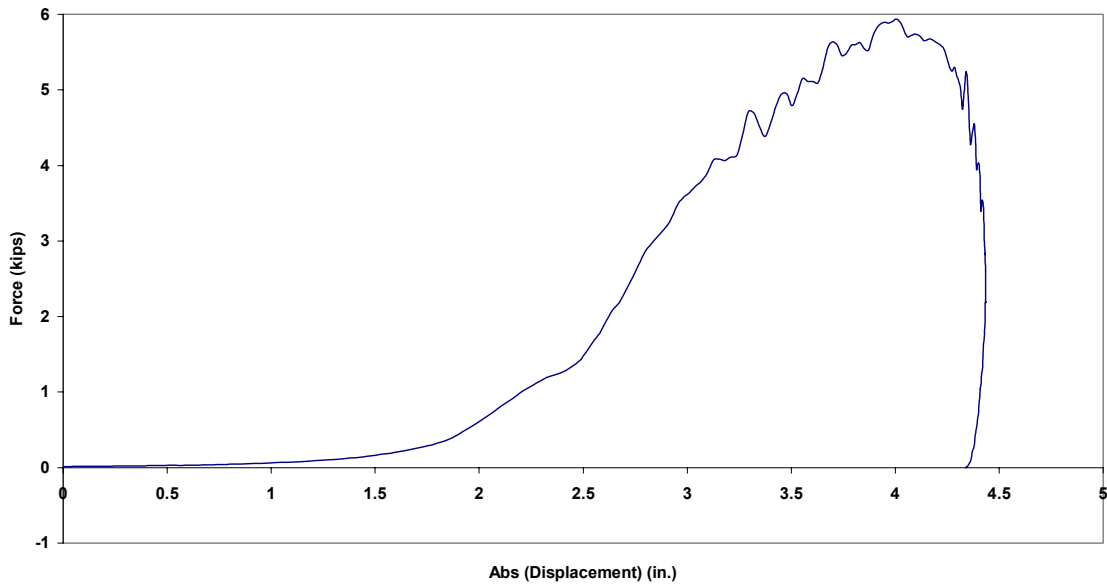


Figure B.189.4 Case 12O: Force vs. Absolute Displacement

Case 130: New 1/2 in. Amsteel Blue (105 lb from 54 in.)

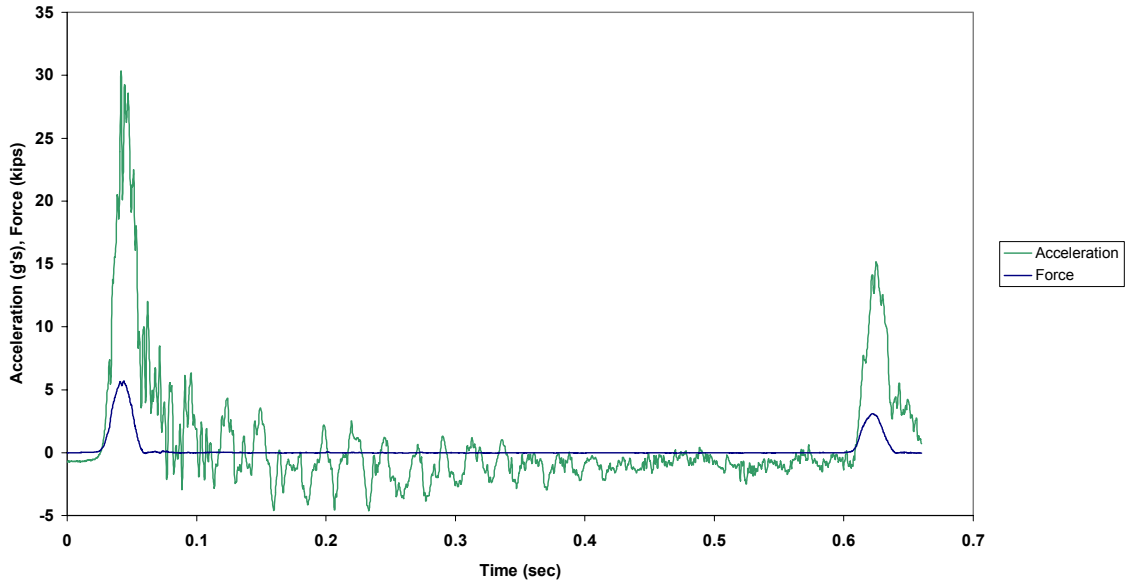


Figure B.190.1 Case 130: Force and Acceleration vs. Time

Case 130: New 1/2 in. Amsteel Blue (105 lb from 54 in.)

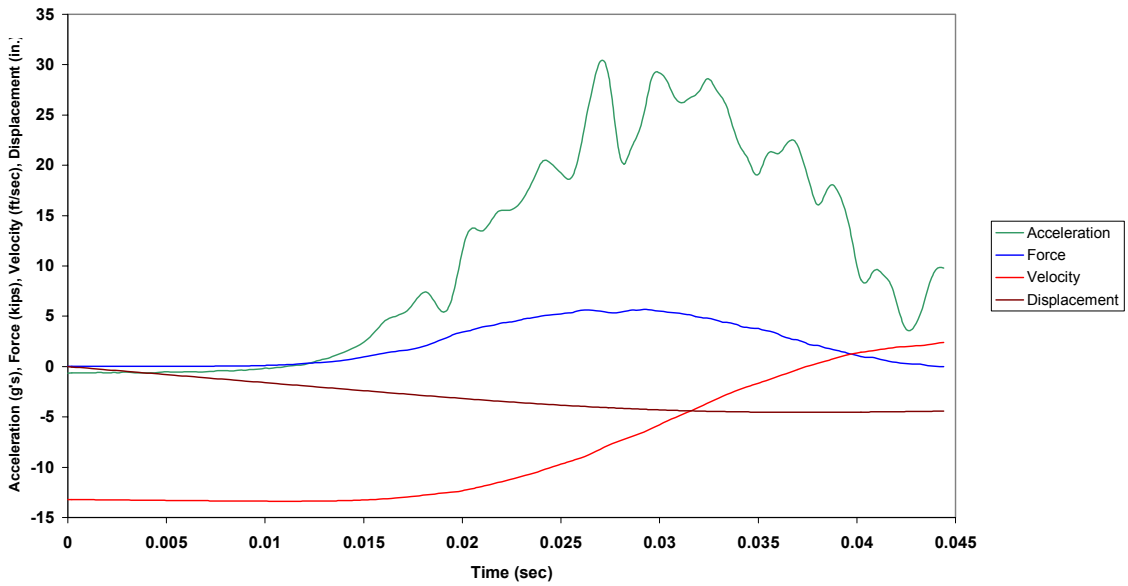


Figure B.190.2 Case 130: Combined Plot

Case 13O: New 1/2 in. Amsteel Blue (105 lb from 54 in.)

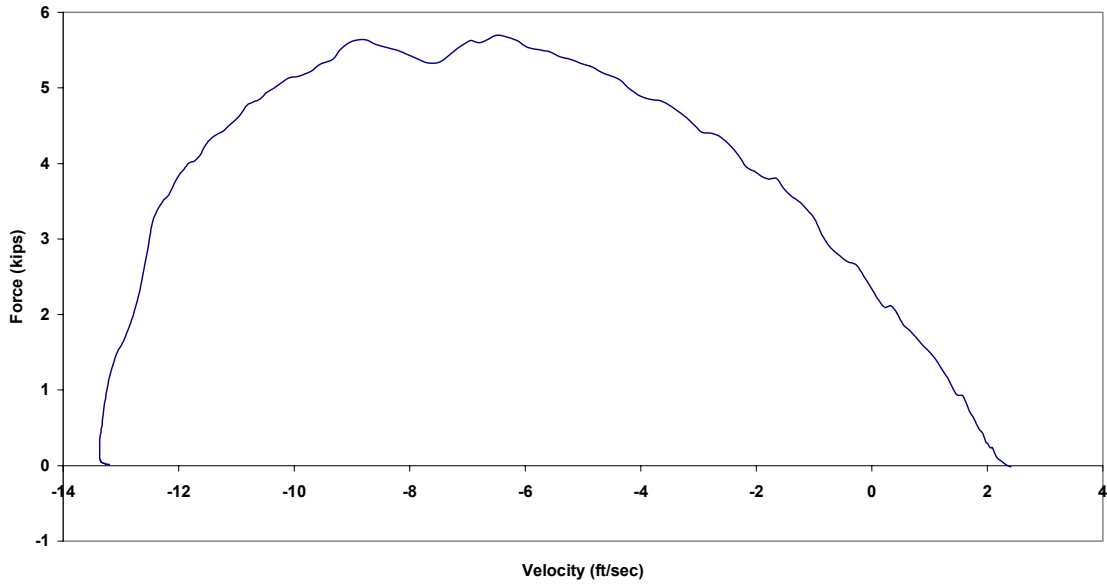


Figure B.190.3 Case 13O: Force vs. Velocity

Case 13O: New 1/2 in. Amsteel Blue (105 lb from 54 in.)

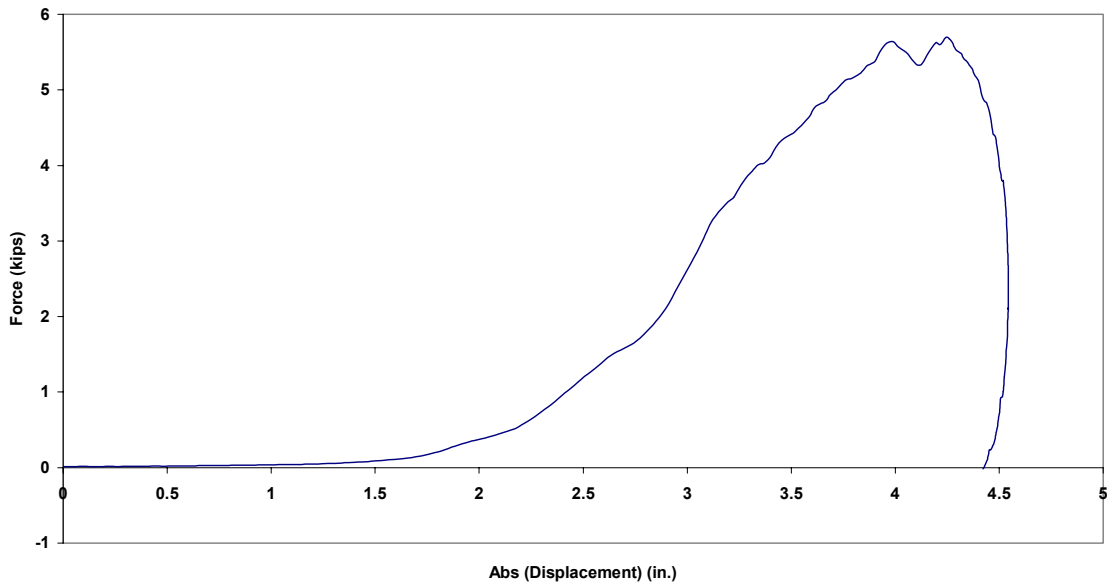


Figure B.190.4 Case 13O: Force vs. Absolute Displacement



Case 140: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

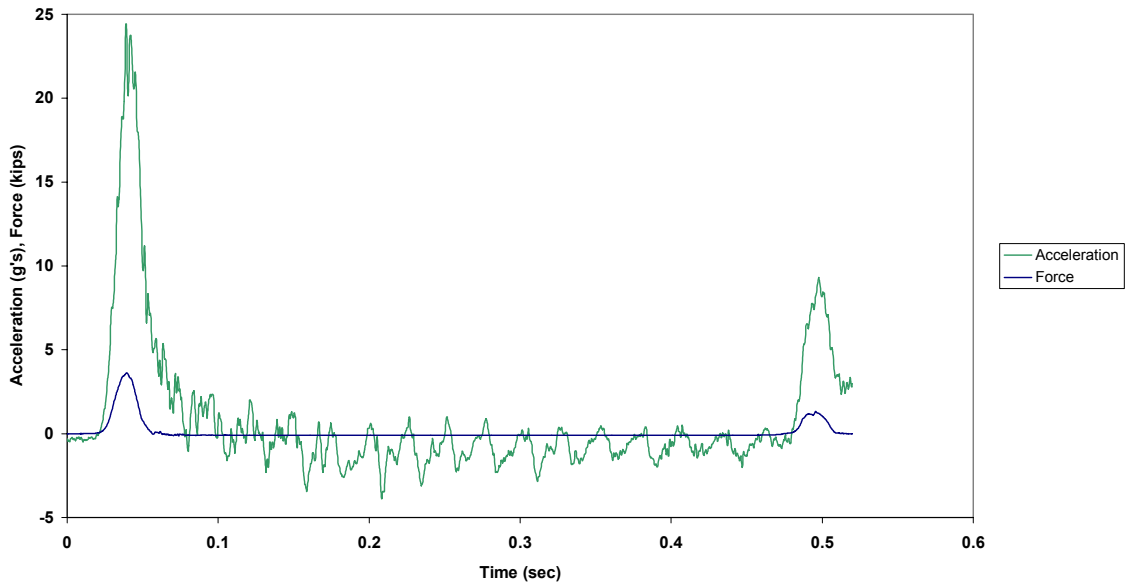


Figure B.191.1 Case 140: Force and Acceleration vs. Time

Case 140: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

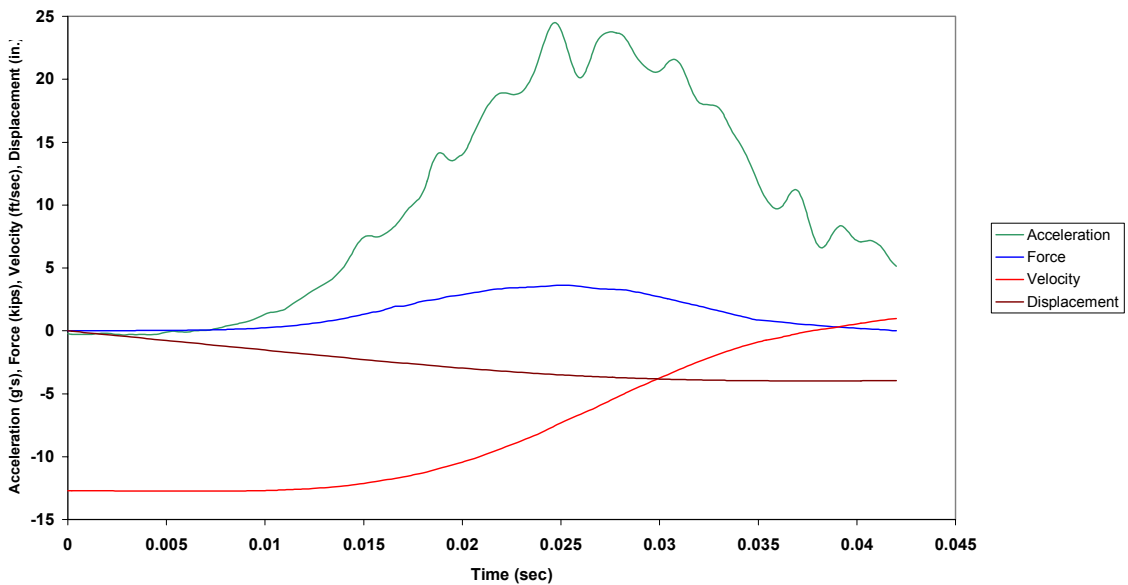


Figure B.191.2 Case 140: Combined Plot

Case 140: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

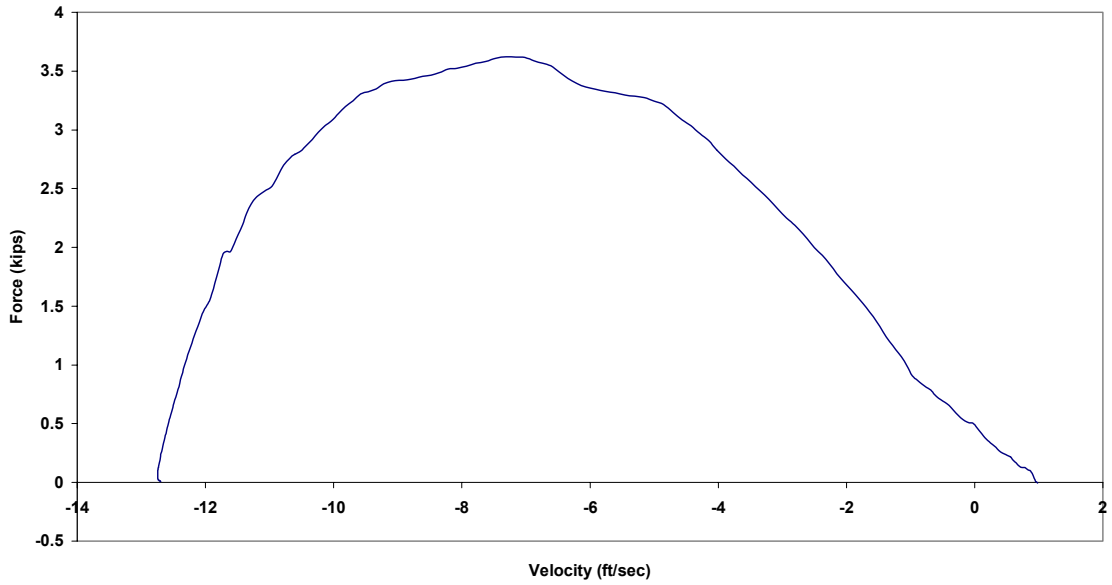


Figure B.191.3 Case 140: Force vs. Velocity

Case 140: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

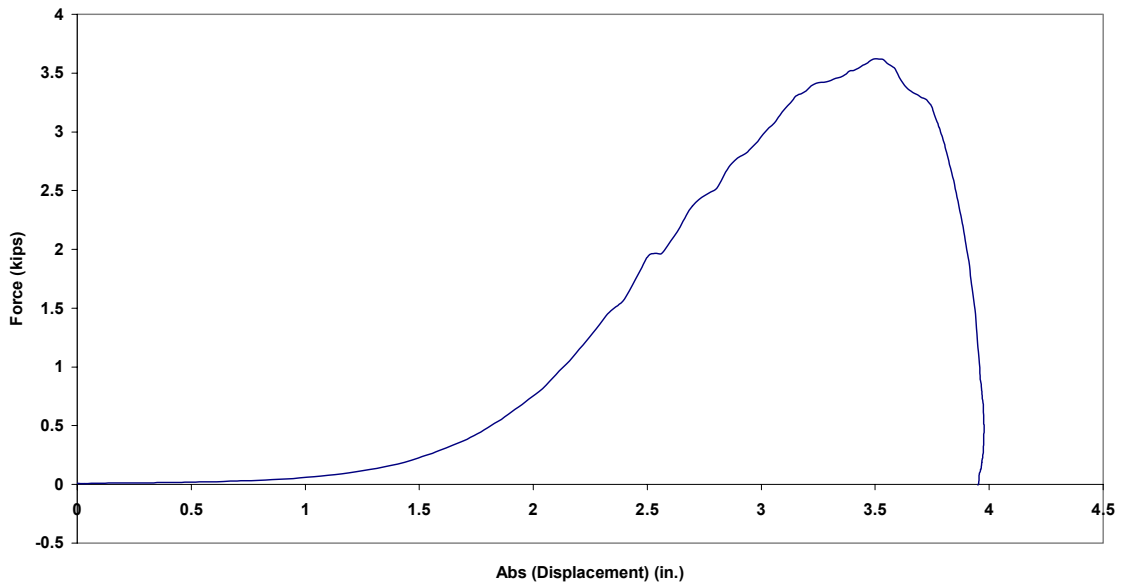


Figure B.191.4 Case 140: Force vs. Absolute Displacement

Case 150: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

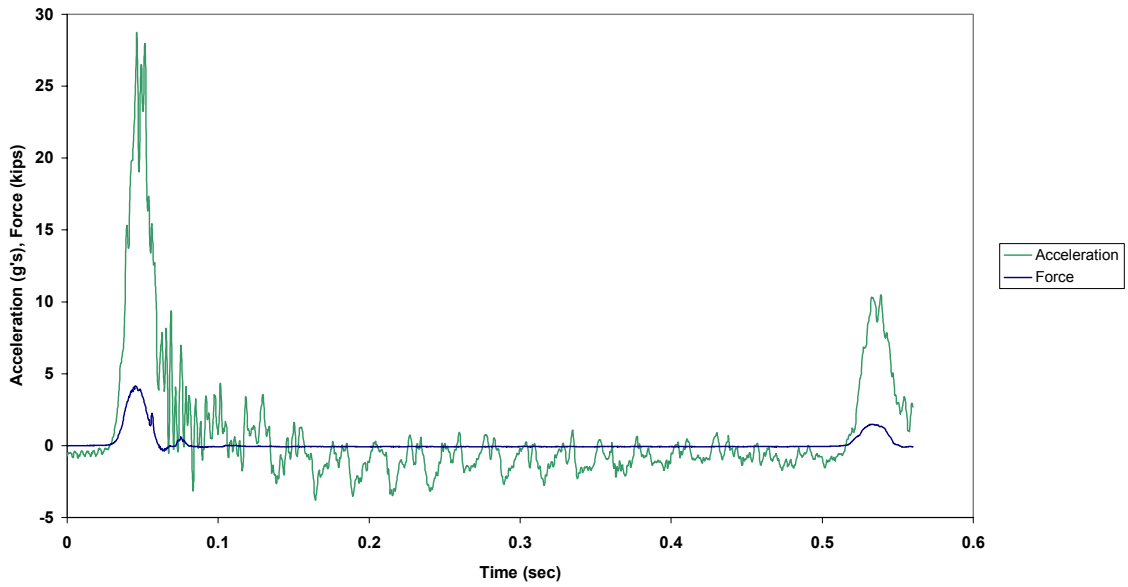


Figure B.192.1 Case 150: Force and Acceleration vs. Time

Case 150: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

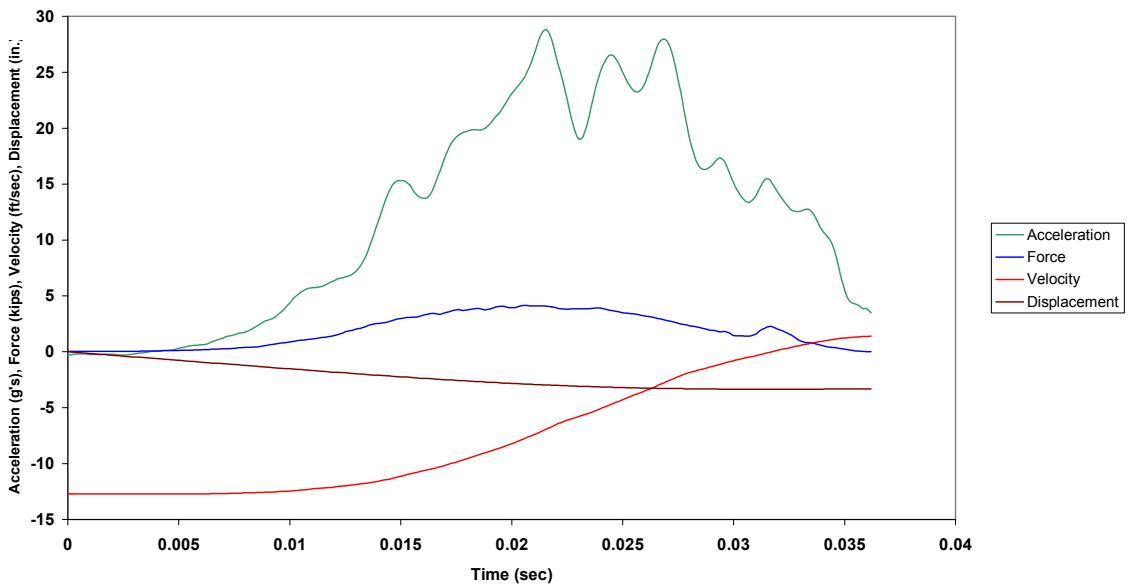


Figure B.192.2 Case 150: Combined Plot

Case 150: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

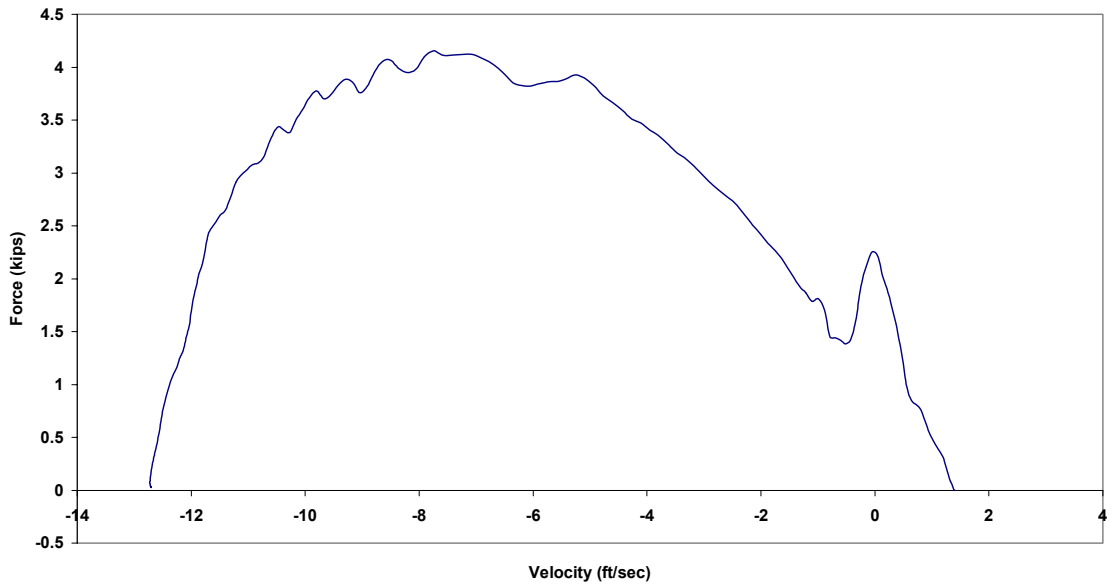


Figure B.192.3 Case 150: Force vs. Velocity

Case 150: New 1/2 in. Amsteel Blue (85 lb from 54 in.)

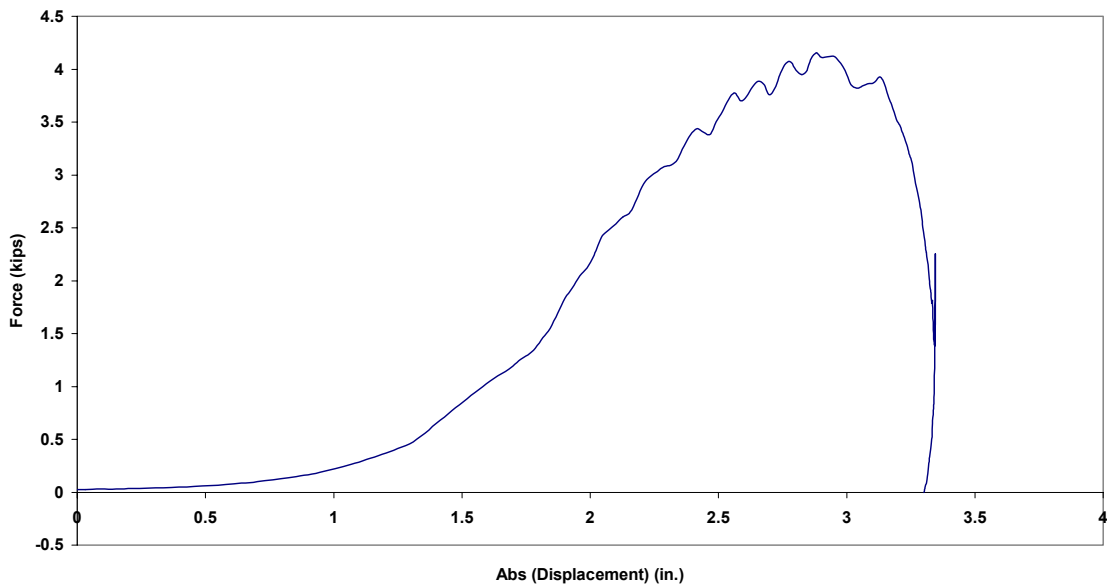


Figure B.192.4 Case 150: Force vs. Absolute Displacement

Case 160: New 1/2 in. Amsteel Blue (65 lb from 54 in.)

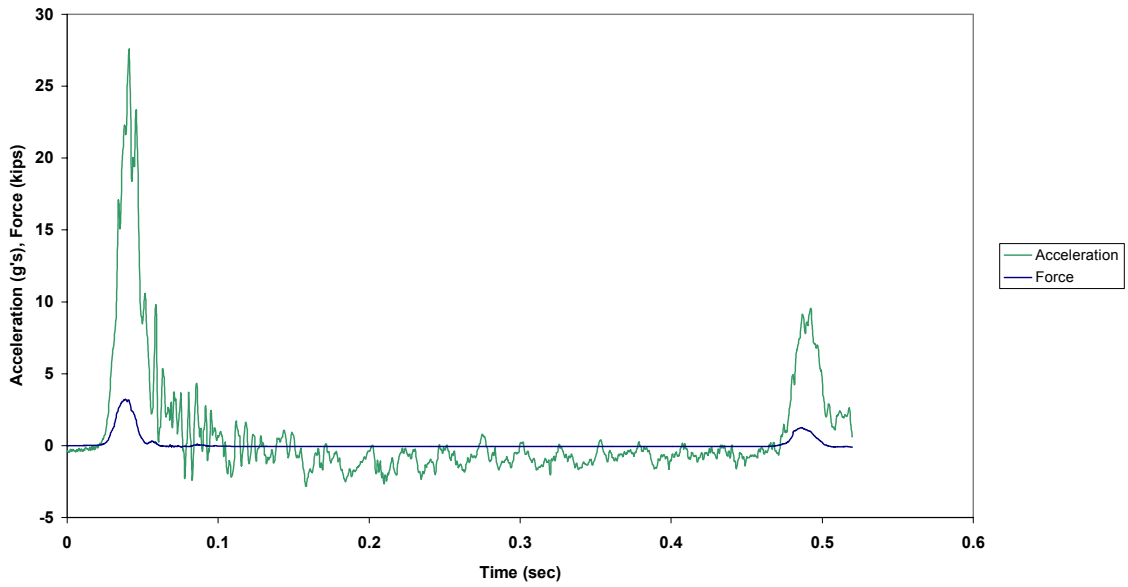


Figure B.193.1 Case 160: Force and Acceleration vs. Time

Case 160: New 1/2 in. Amsteel Blue (65 lb from 54 in.)

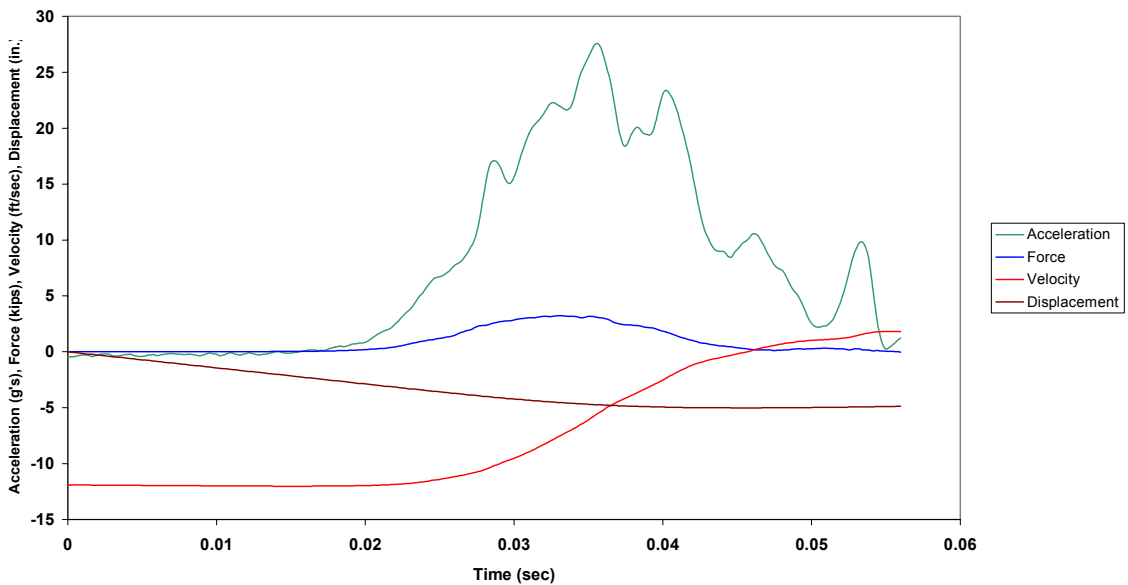


Figure B.193.2 Case 160: Combined Plot

Case 16O: New 1/2 in. Amsteel Blue (65 lb from 54 in.)

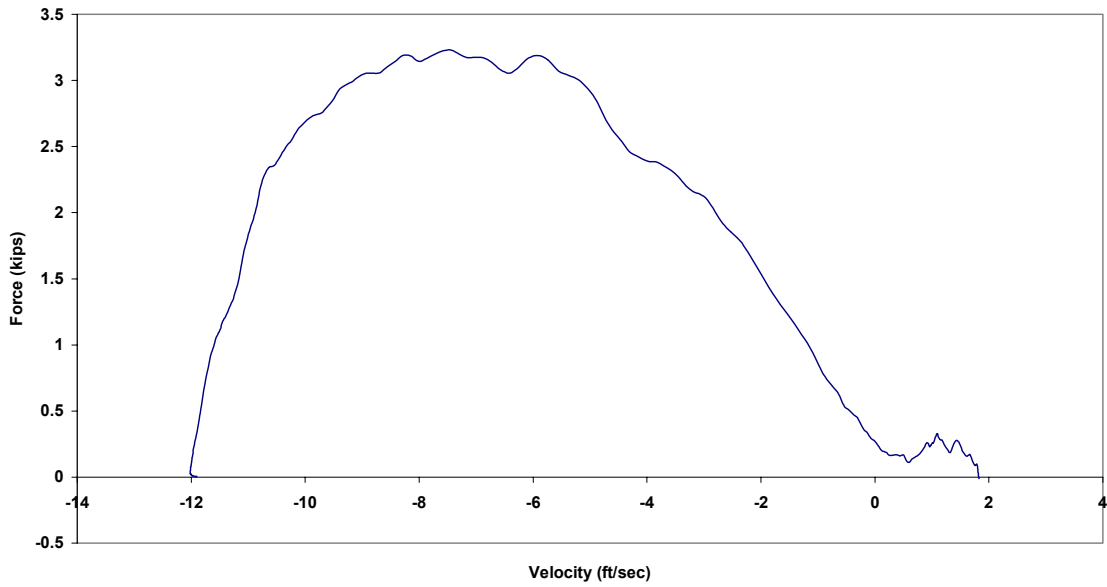


Figure B.193.3 Case 16O: Force vs. Velocity

Case 16O: New 1/2 in. Amsteel Blue (65 lb from 54 in.)

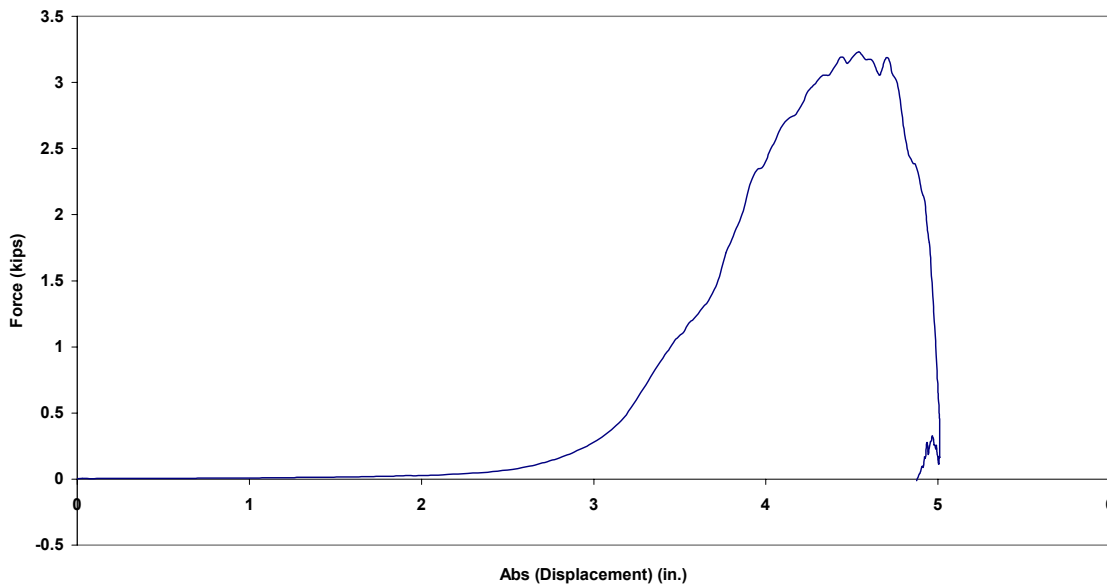


Figure B.193.4 Case 16O: Force vs. Absolute Displacement

Case 1P: Precycled 1/2 in. Amsteel Blue (65 lb from 97 in.)

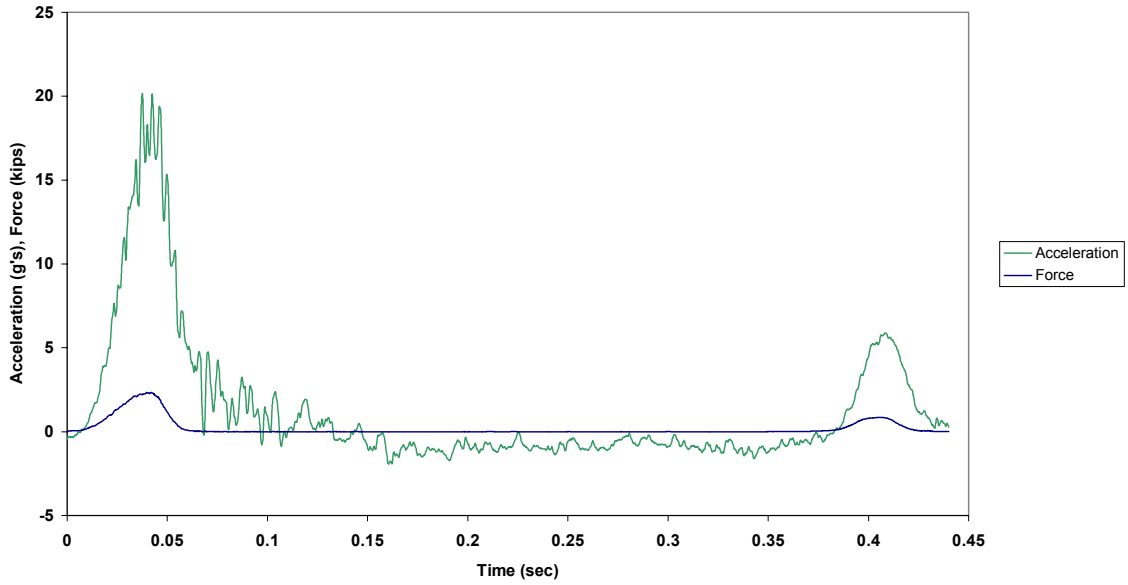


Figure B.194.1 Case 1P: Force and Acceleration vs. Time

Case 1P: Precycled 1/2 in. Amsteel Blue (65 lb from 97 in.)

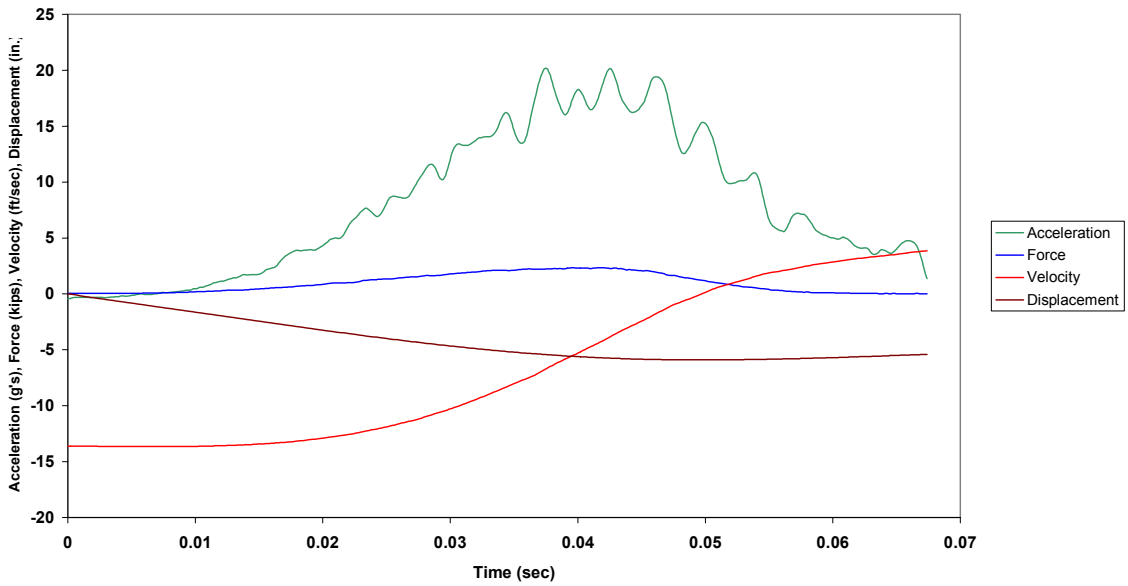


Figure B.194.2 Case 1P: Combined Plot

Case 1P: Precycled 1/2 in. Amsteel Blue (65 lb from 97 in.)

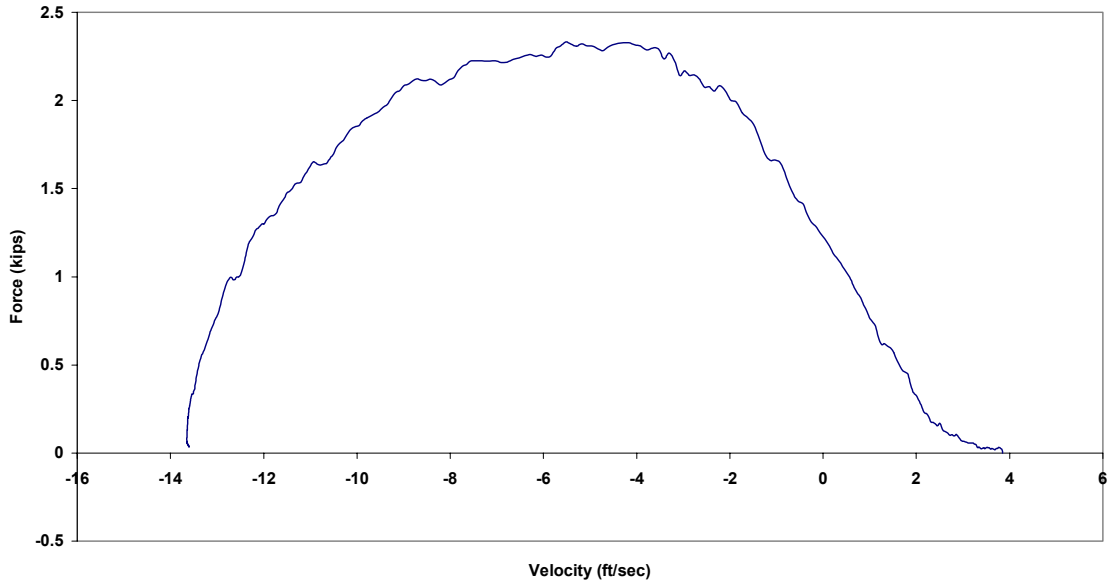


Figure B.194.3 Case 1P: Force vs. Velocity

Case 1P: Precycled 1/2 in. Amsteel Blue (65 lb from 97 in.)

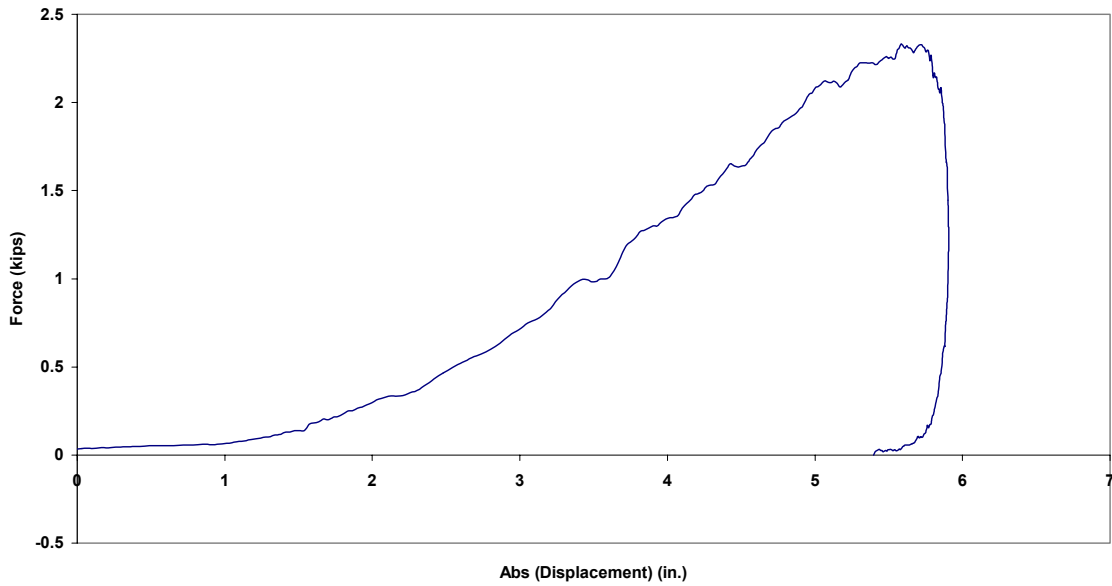


Figure B.194.4 Case 1P: Force vs. Absolute Displacement



Case 2P: Precycled 1/2 in. Amsteel Blue (65 lb from 91 in.)

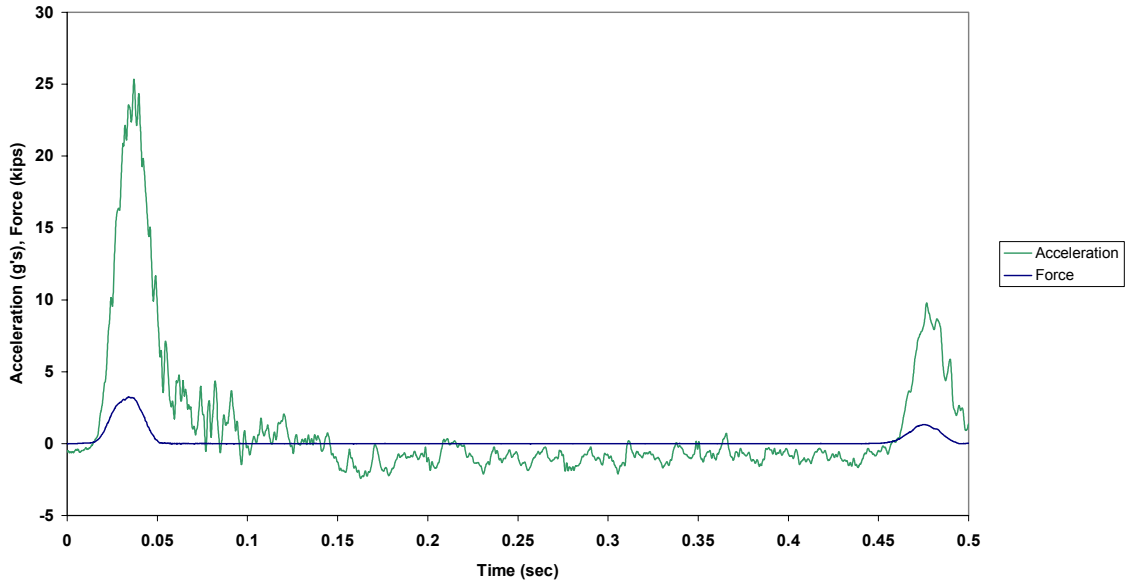


Figure B.195.1 Case 2P: Force and Acceleration vs. Time

Case 2P: Precycled 1/2 in. Amsteel Blue (65 lb from 91 in.)

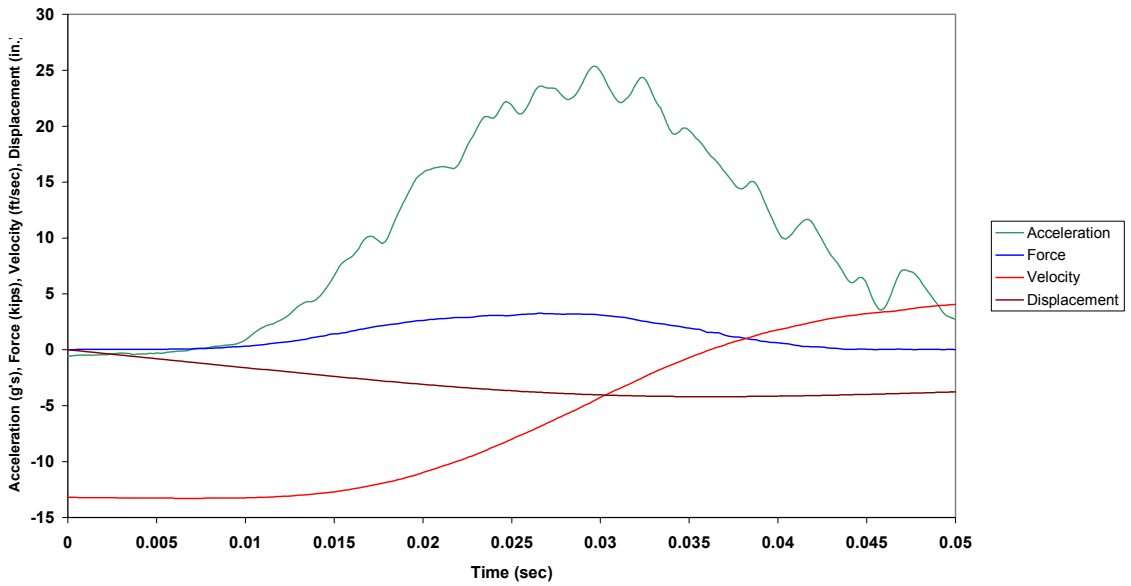


Figure B.195.2 Case 2P: Combined Plot

Case 2P: Precycled 1/2 Amsteel Blue (65 lb from 91 in.)

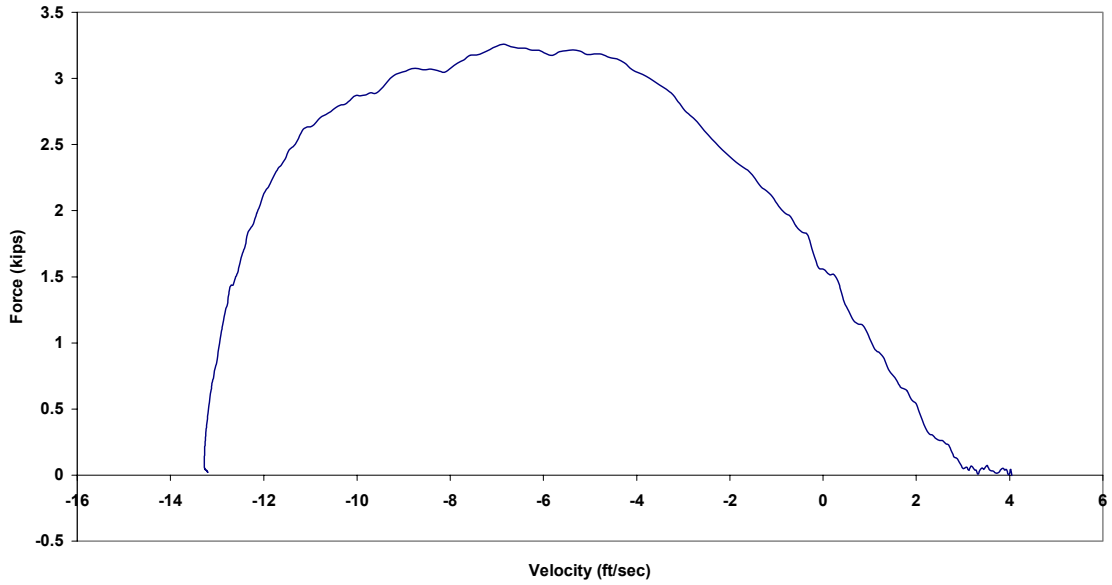


Figure B.195.3 Case 2P: Force vs. Velocity

Case 2P: Precycled 1/2 Amsteel Blue (65 lb from 91 in.)

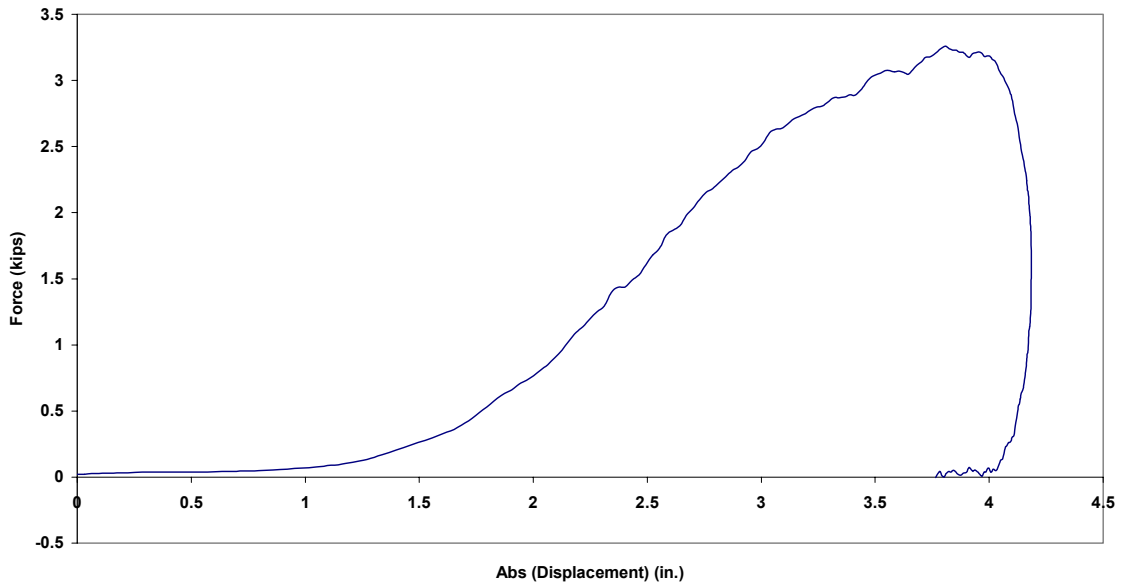


Figure B.195.4 Case 2P: Force vs. Absolute Displacement

Case 3P: Precycled 1/2 in. Amsteel Blue (65 lb from 85 in.)

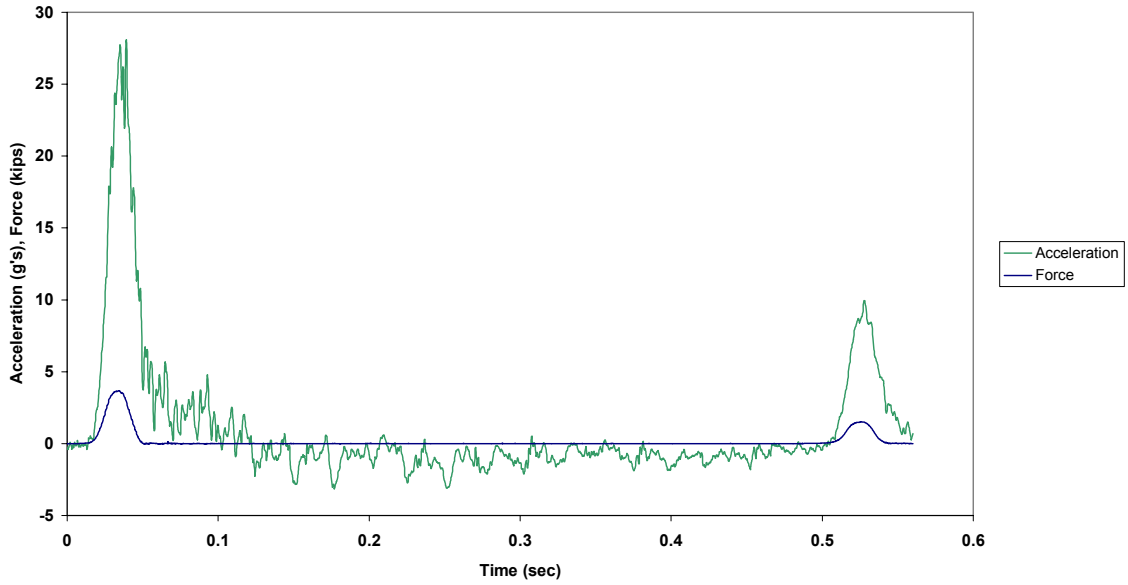


Figure B.196.1 Case 3P: Force and Acceleration vs. Time

Case 3P: Precycled 1/2 in. Amsteel Blue (65 lb from 85 in.)

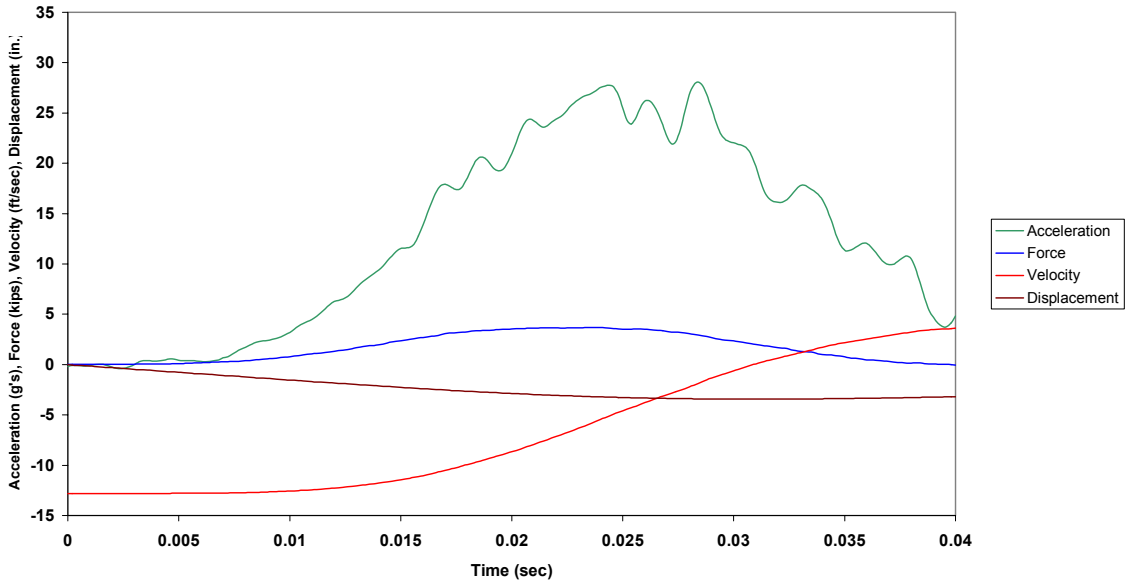


Figure B.196.2 Case 3P: Combined Plot

Case 3P: Precycled 1/2 in. Amsteel Blue (65 lb from 85 in.)

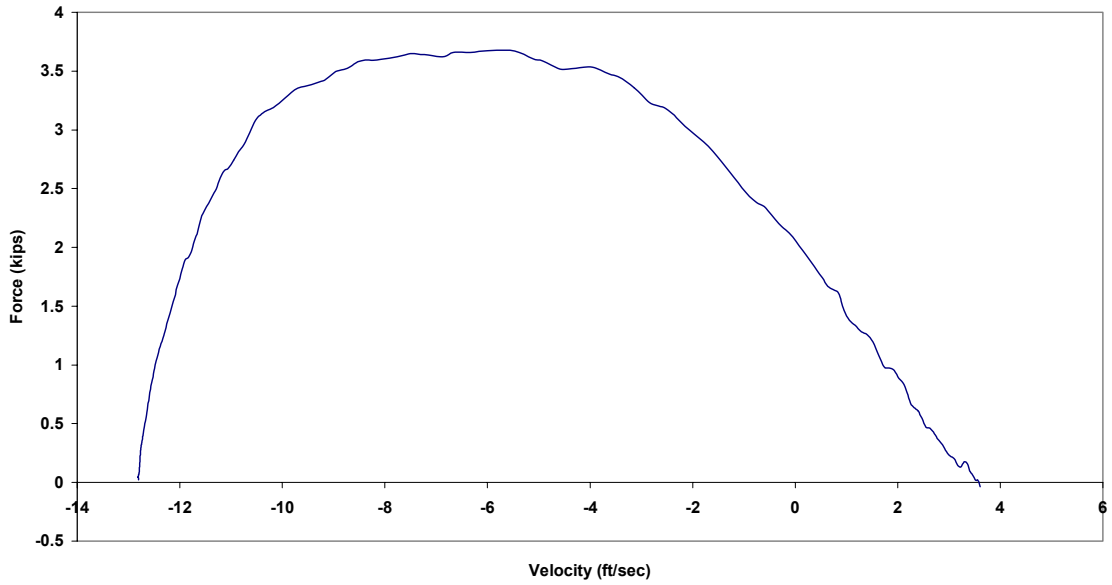


Figure B.196.3 Case 3P: Force vs. Velocity

Case 3P: Precycled 1/2 in. Amsteel Blue (65 lb from 85 in.)

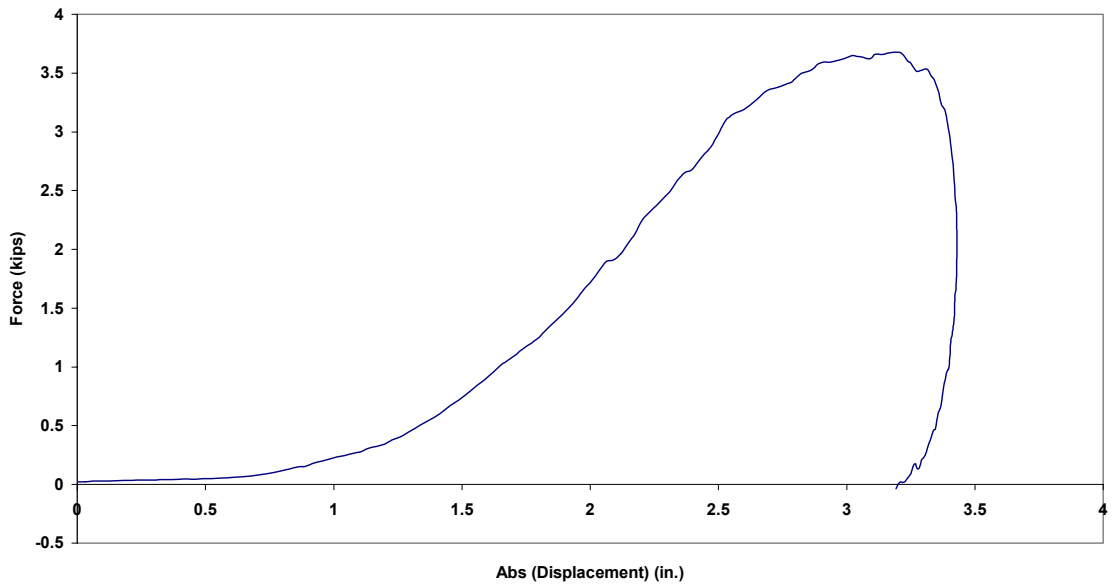


Figure B.196.4 Case 3P: Force vs. Absolute Displacement

Case 4P: Precycled 1/2 in. Amsteel Blue (65 lb from 79 in.)

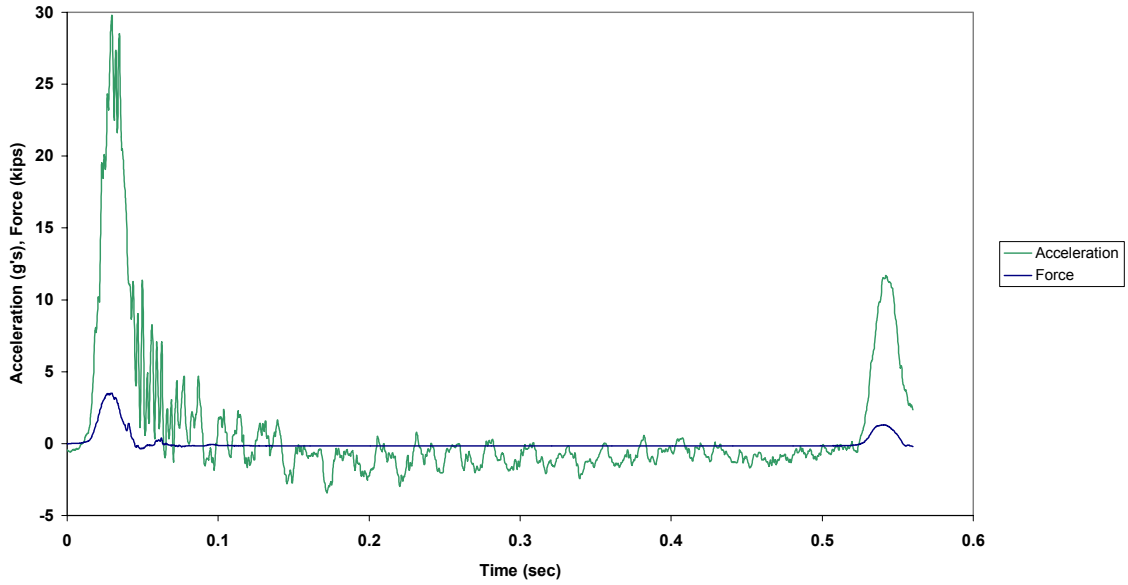


Figure B.197.1 Case 4P: Force and Acceleration vs. Time

Case 4P: Precycled 1/2 in. Amsteel Blue (65 lb from 79 in.)

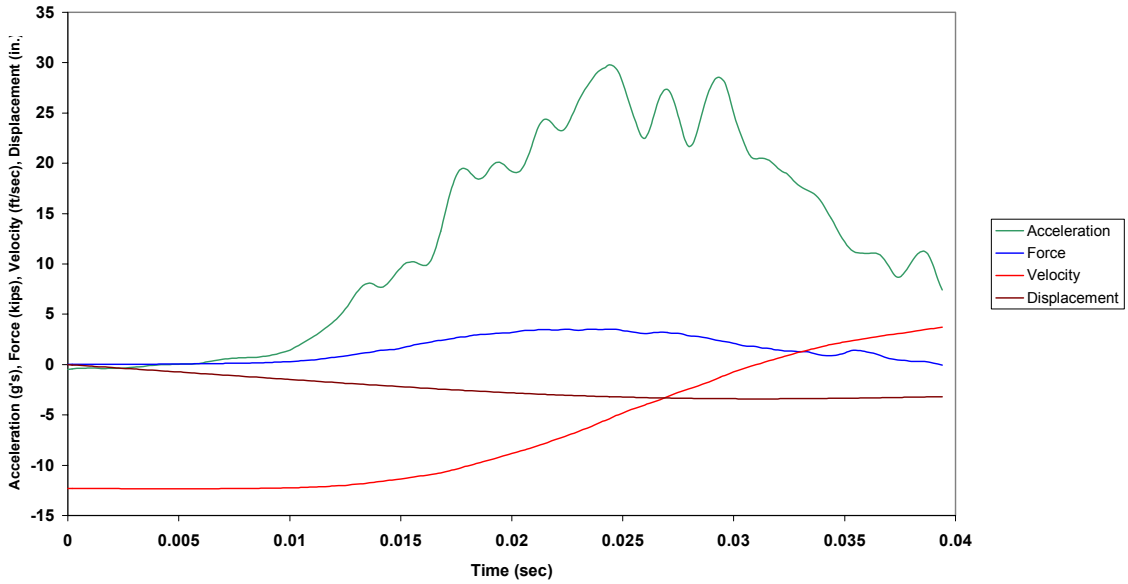


Figure B.197.2 Case 4P: Combined Plot

Case 4P: Precycled 1/2 in. Amsteel Blue (65 lb from 79 in.)

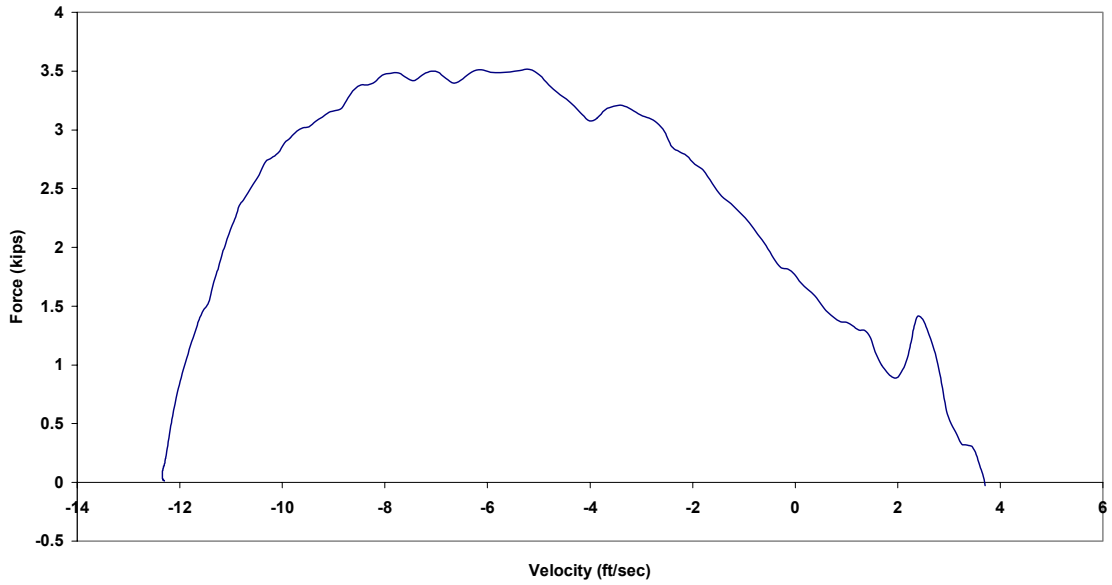


Figure B.197.3 Case 4P: Force vs. Velocity

Case 4P: Precycled 1/2 in. Amsteel Blue (65 lb from 79 in.)

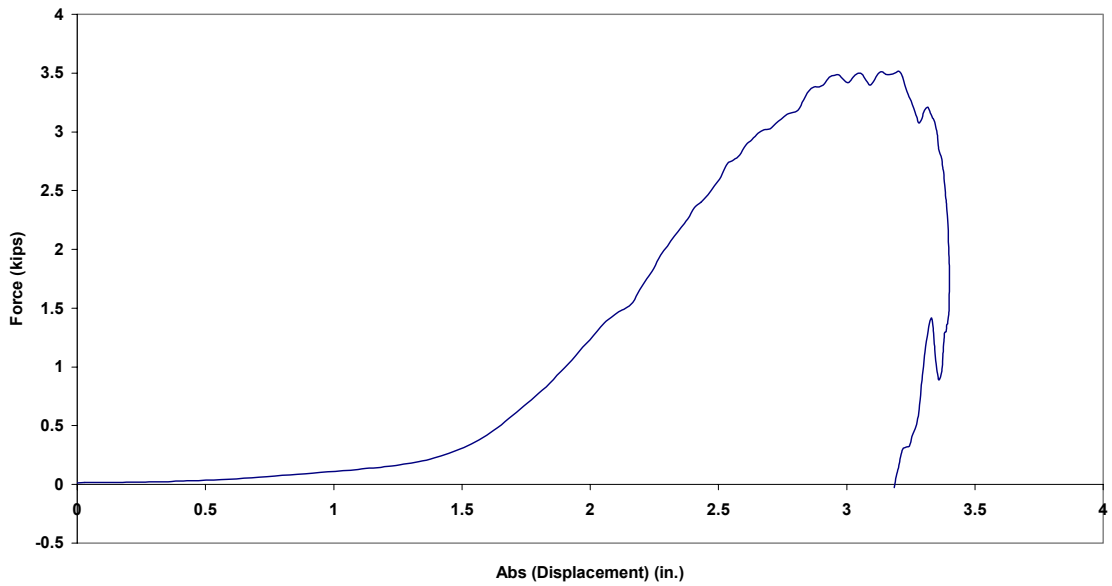


Figure B.197.4 Case 4P: Force vs. Absolute Displacement

Case 5P: Precycled 1/2 in. Amsteel Blue (65 lb from 73 in.)

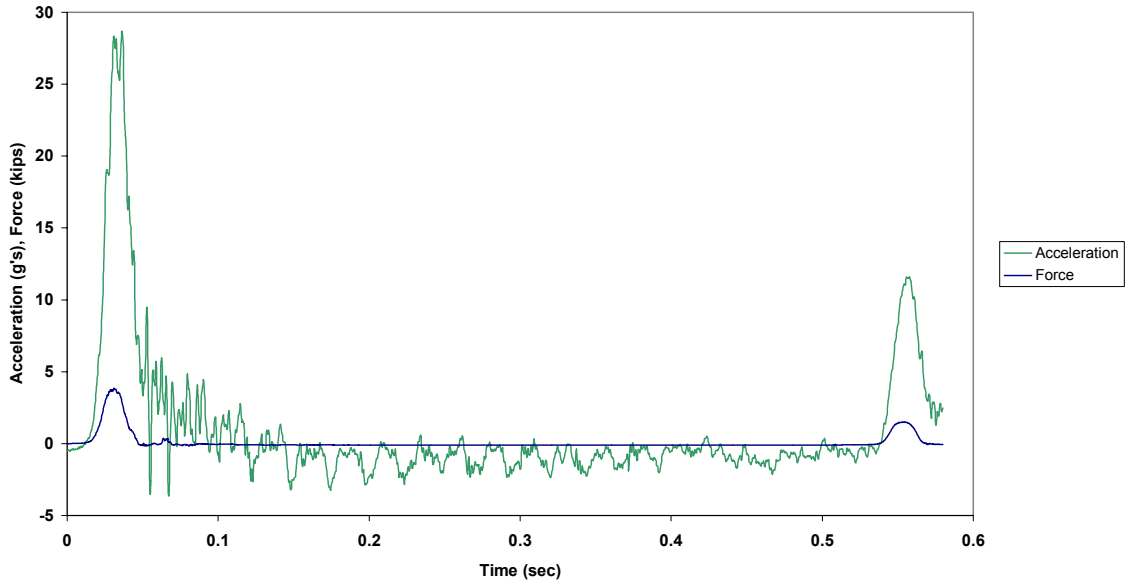


Figure B.198.1 Case 5P: Force and Acceleration vs. Time

Case 5P: Precycled 1/2 in. Amsteel Blue (65 lb from 73 in.)

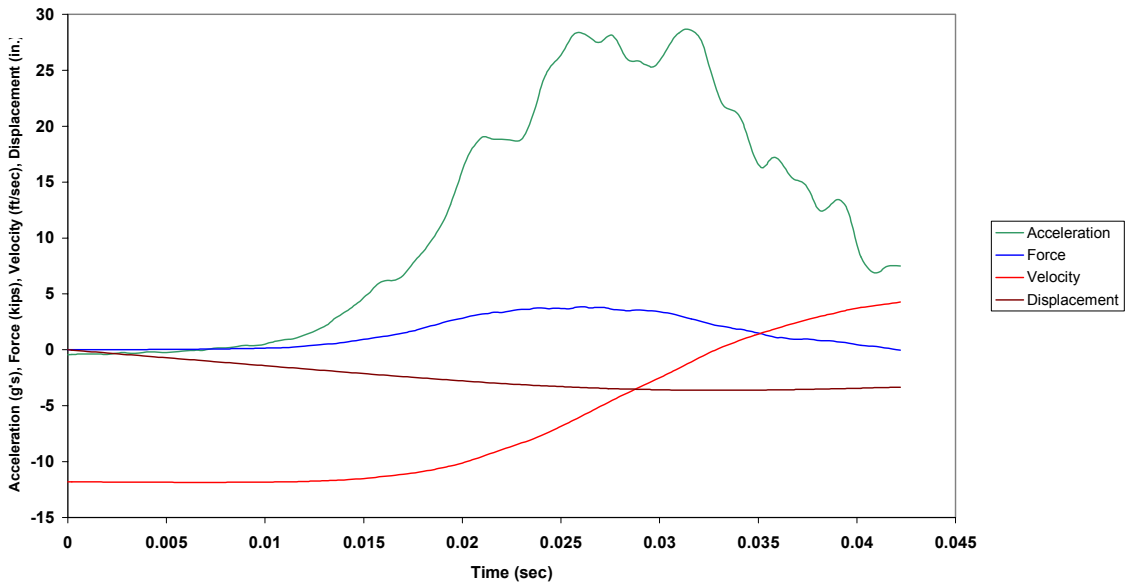


Figure B.198.2 Case 5P: Combined Plot

Case 5P: Precycled 1/2 in. Amsteel Blue (65 lb from 73 in.)

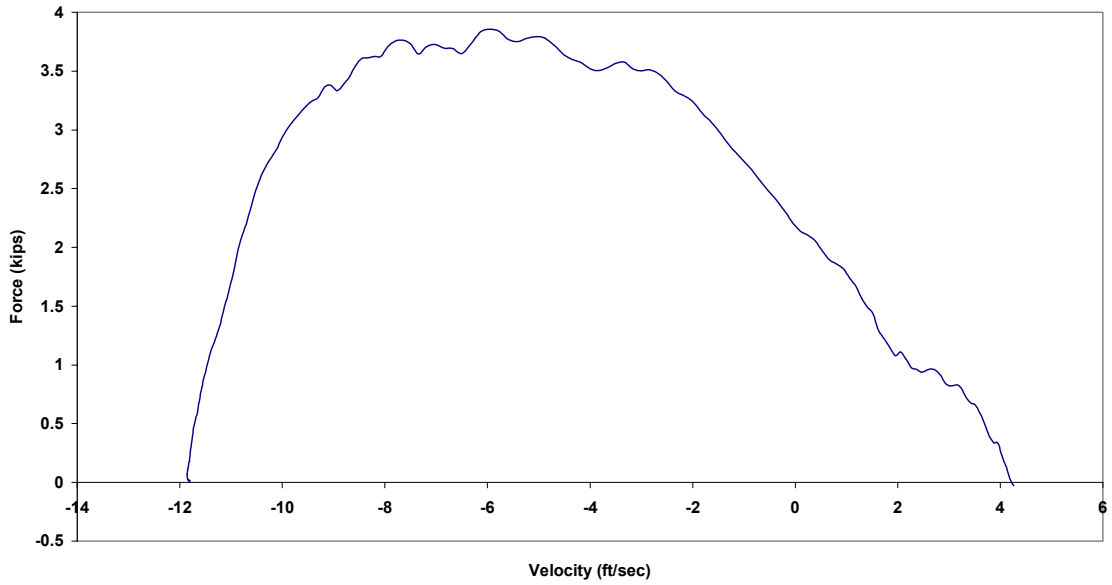


Figure B.198.3 Case 5P: Force vs. Velocity

Case 5P: Precycled 1/2 in. Amsteel Blue (65 lb from 73 in.)

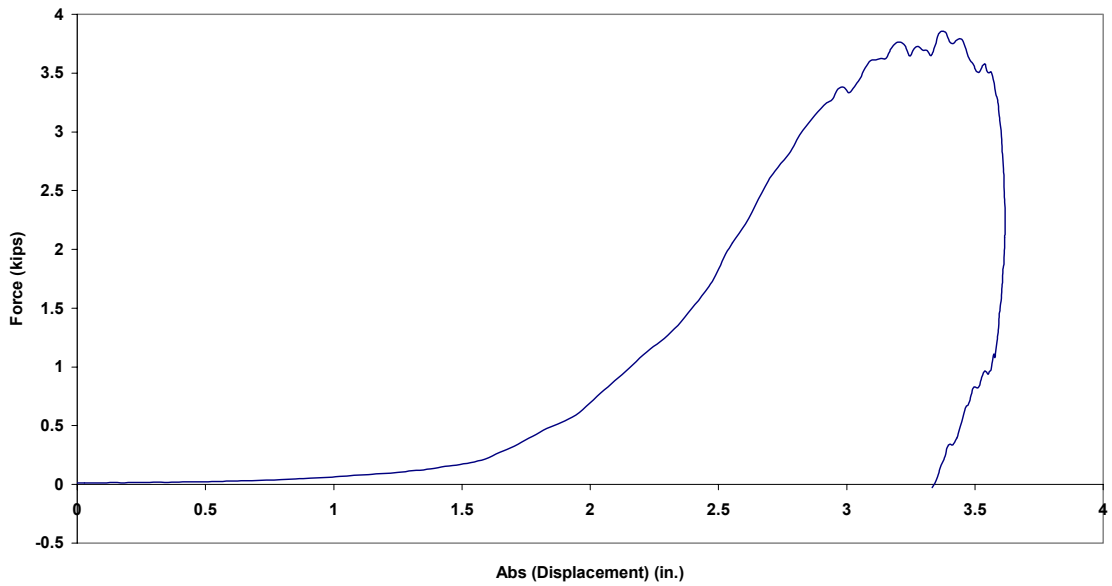


Figure B.198.4 Case 5P: Force vs. Absolute Displacement



Case 6P: Precycled 1/2 in. Amsteel Blue (65 lb from 67 in.)

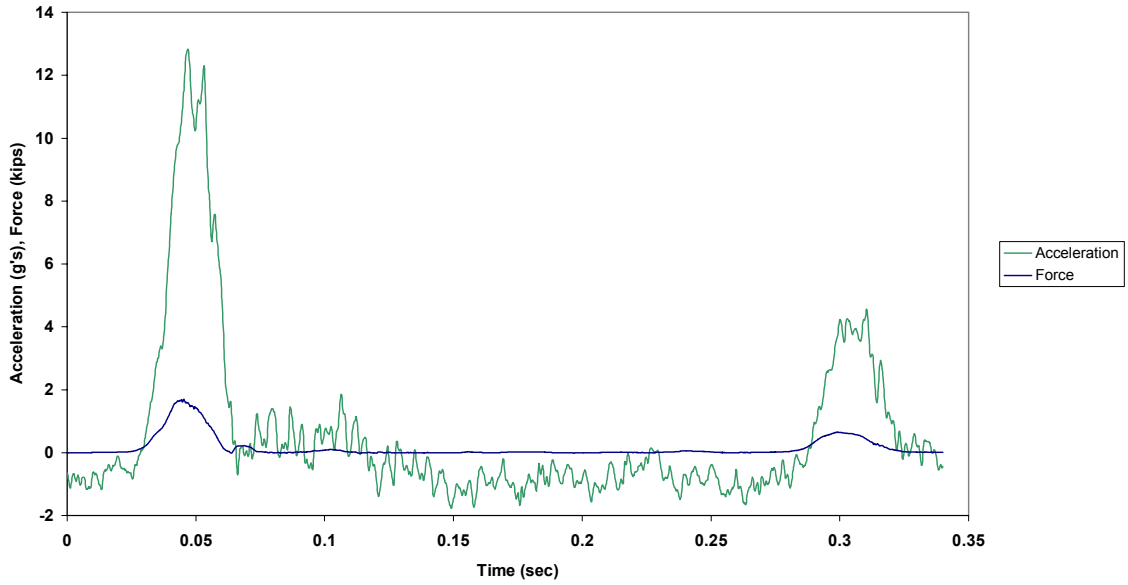


Figure B.199.1 Case 6P: Force and Acceleration vs. Time

Case 6P: Precycled 1/2 in. Amsteel Blue (65 lb from 67 in.)

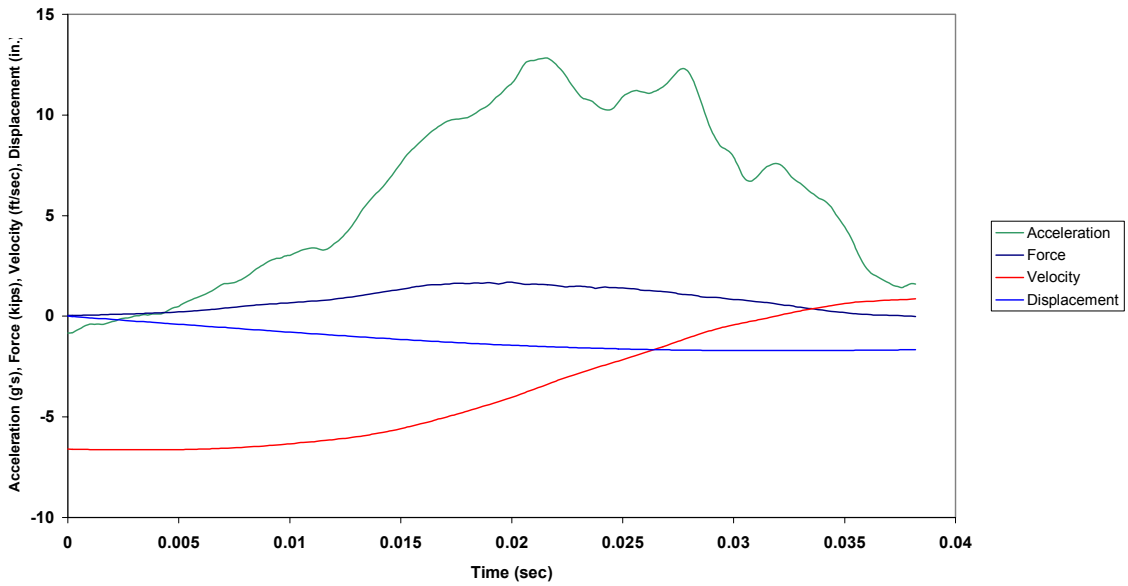


Figure B.199.2 Case 6P: Combined Plot

Case 6P: Precycled 1/2 in. Amsteel Blue (65 lb from 67 in.)

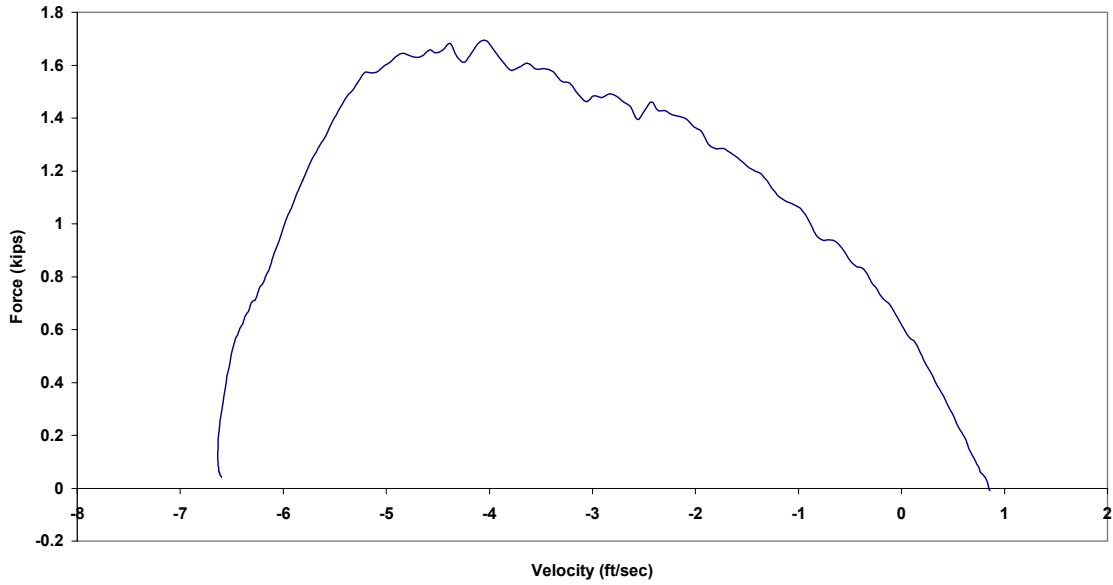


Figure B.199.3 Case 6P: Force vs. Velocity

Case 6P: Precycled 1/2 in. Amsteel Blue (65 lb from 67 in.)

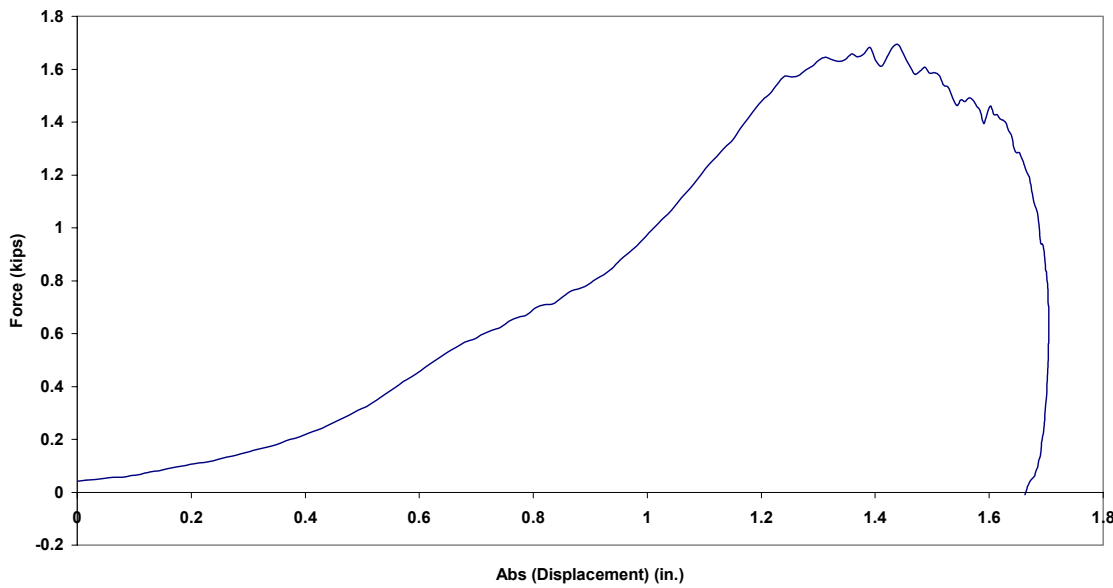


Figure B.199.4 Case 6P: Force vs. Absolute Displacement

Case 7P: Precycled 1/2 in. Amsteel Blue (85 lb from 60 in.)

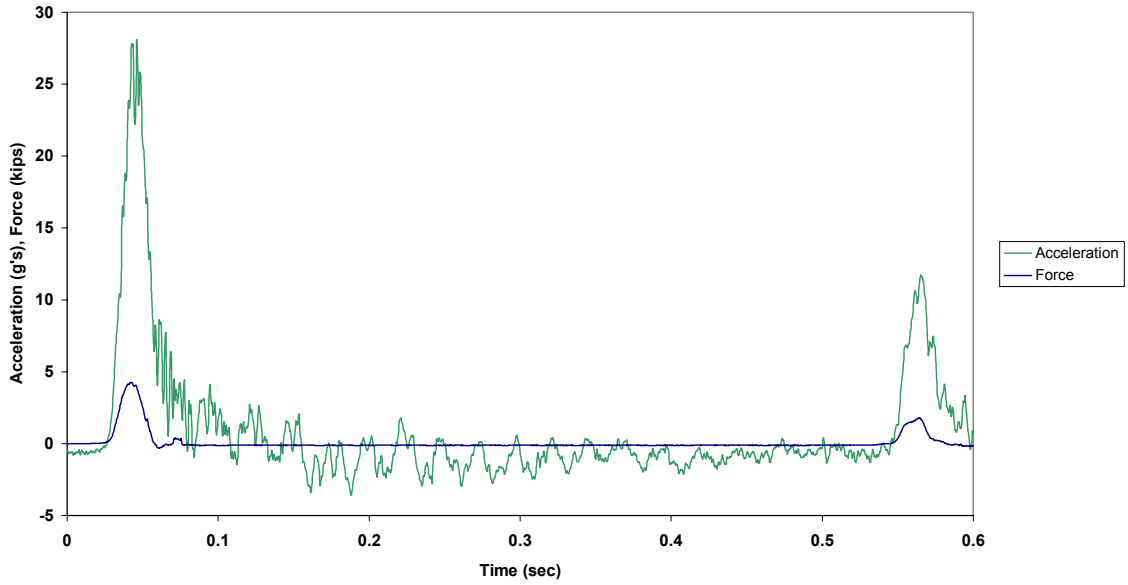


Figure B.200.1 Case 7P: Force and Acceleration vs. Time

Case 7P: Precycled 1/2 in. Amsteel Blue (85 lb from 60 in.)

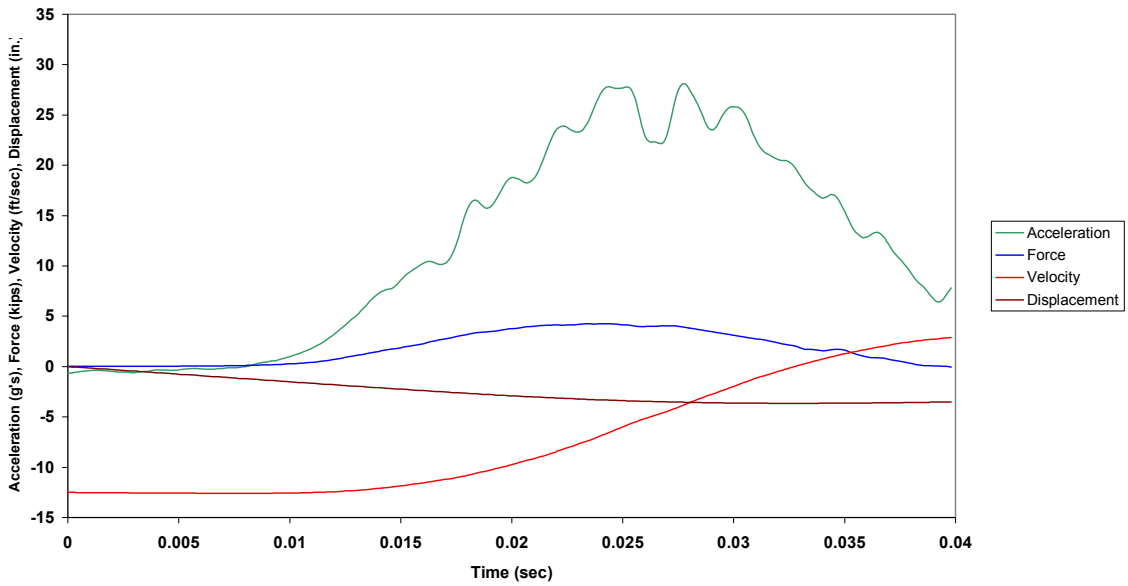


Figure B.200.2 Case 7P: Combined Plot

Case 7P: Precycled 1/2 in. Amsteel Blue (85 lb from 60 in.)

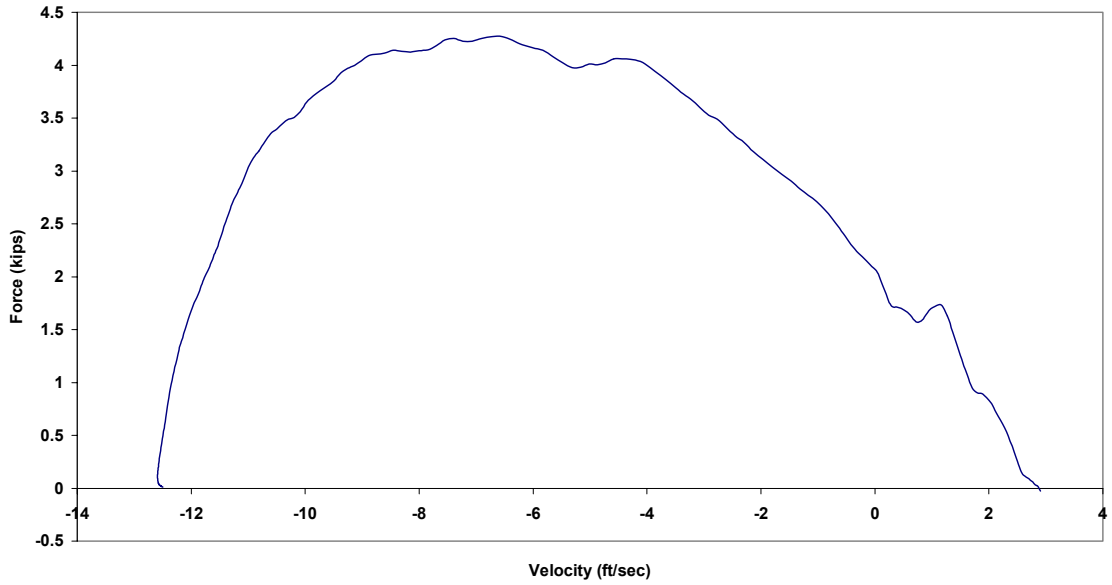


Figure B.200.3 Case 7P: Force vs. Velocity

Case 7P: Precycled 1/2 in. Amsteel Blue (85 lb from 60 in.)

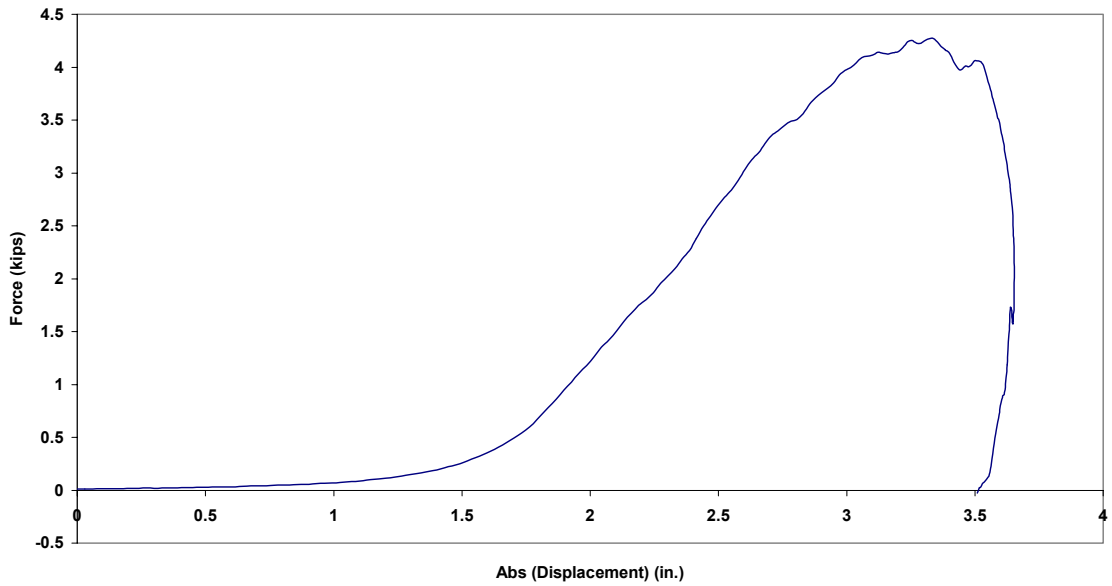


Figure B.200.4 Case 7P: Force vs. Absolute Displacement

Case 8P: Precycled 1/2 in. Amsteel Blue (85 lb from 72 in.)

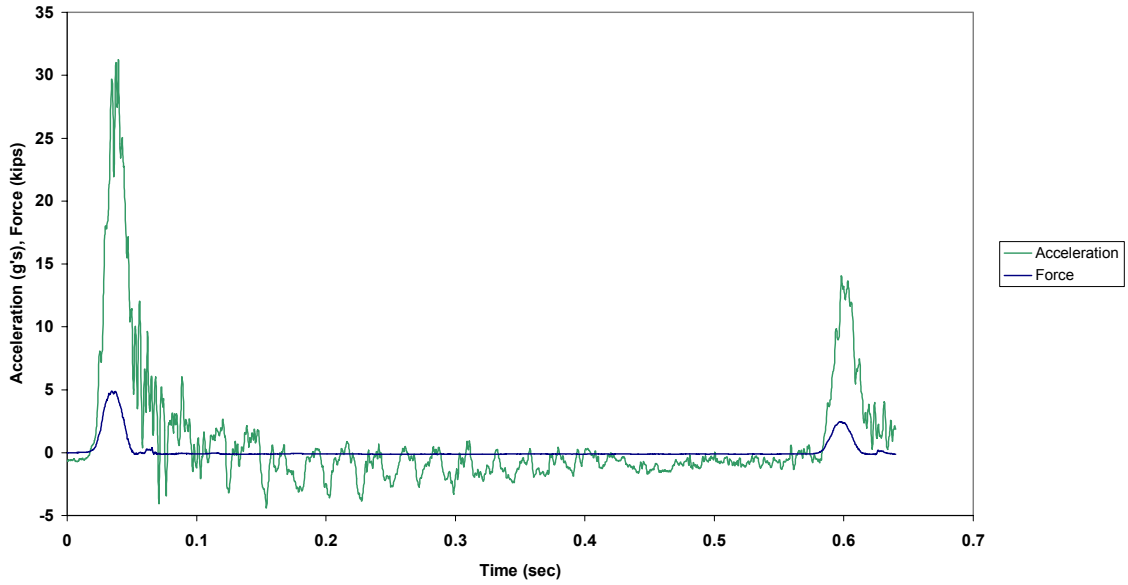


Figure B.201.1 Case 8P: Force and Acceleration vs. Time

Case 8P: Precycled 1/2 in. Amsteel Blue (85 lb from 72 in.)

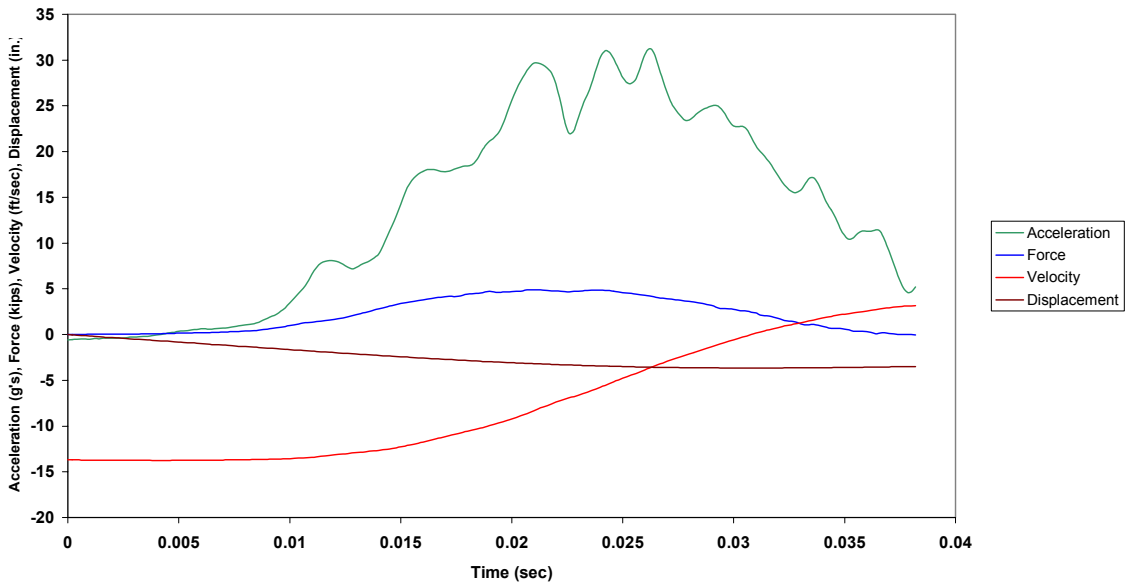


Figure B.201.2 Case 8P: Combined Plot

Case 8P: Precycled 1/2 in. Amsteel Blue (85 lb from 72 in.)

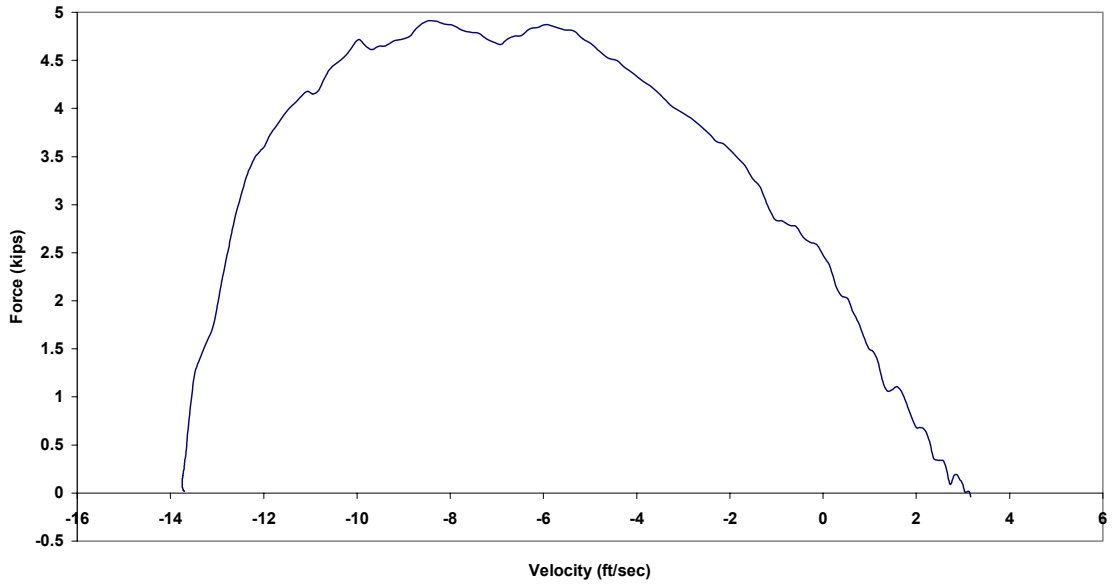


Figure B.201.3 Case 8P: Force vs. Velocity

Case 8P: Precycled 1/2 in. Amsteel Blue (85 lb from 72 in.)

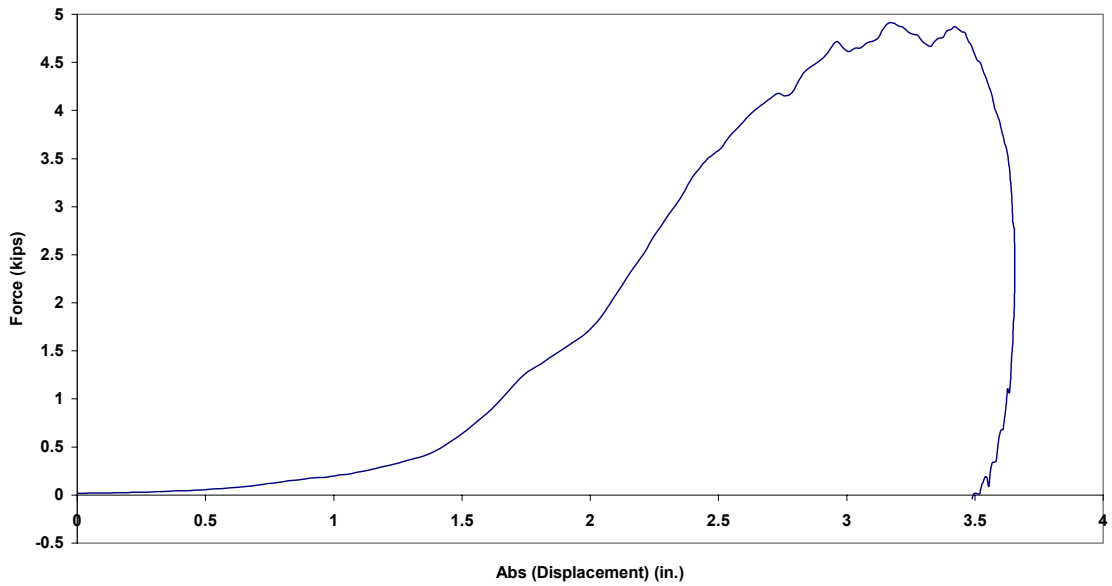


Figure B.201.4 Case 8P: Force vs. Absolute Displacement

Case 9P: Precycled 1/2 in. Amsteel Blue (85 lb from 84 in.)

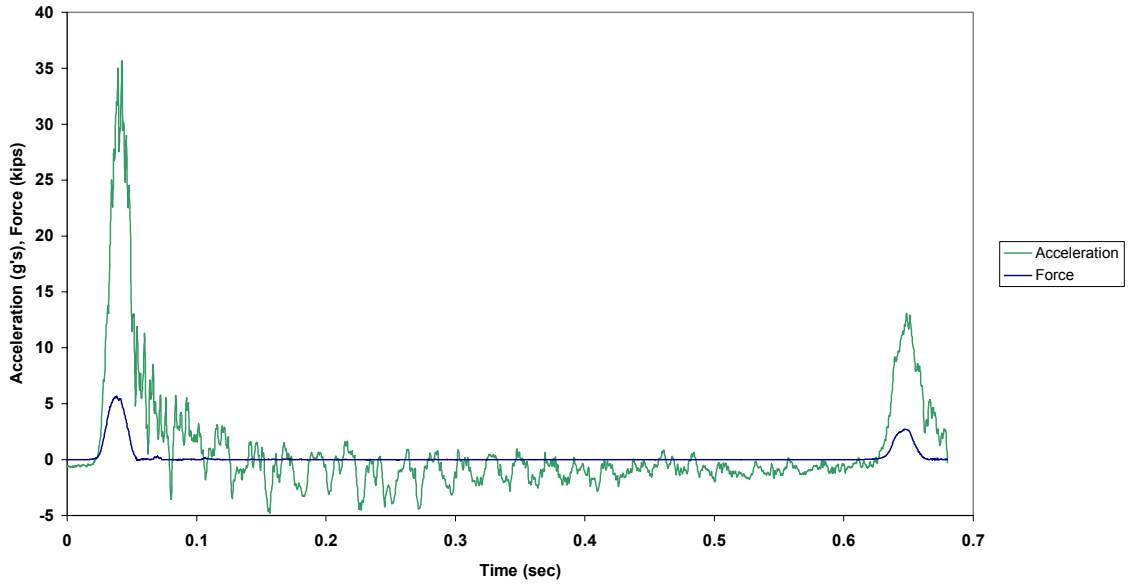


Figure B.202.1 Case 9P: Force and Acceleration vs. Time

Case 9P: Precycled 1/2 in. Amsteel Blue (85 lb from 84 in.)

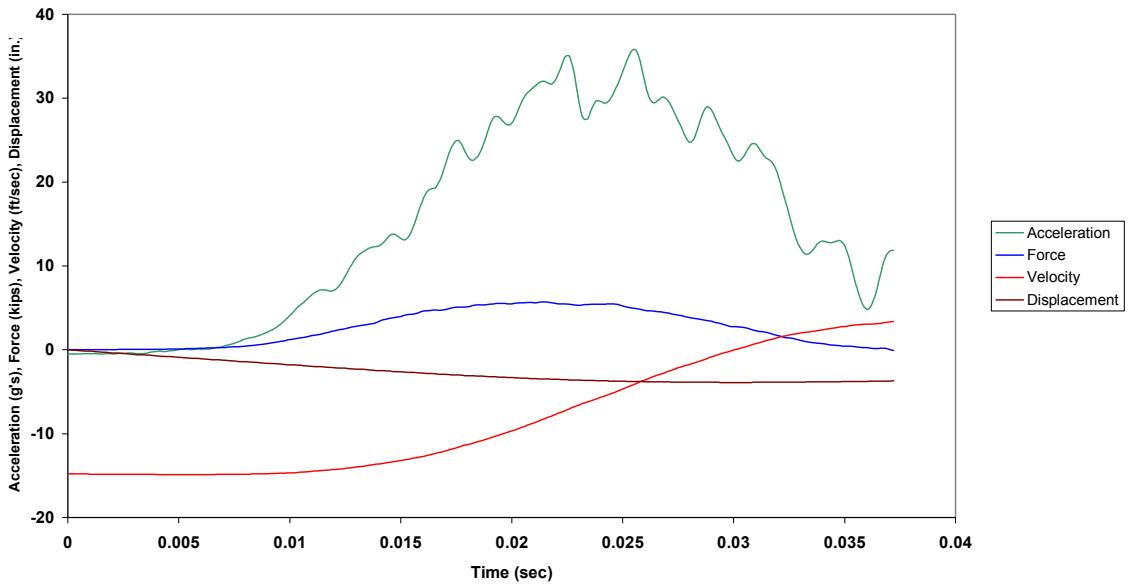


Figure B.202.2 Case 9P: Combined Plot

Case 9P: Precycled 1/2 in. Amsteel Blue (85 lb from 84 in.)

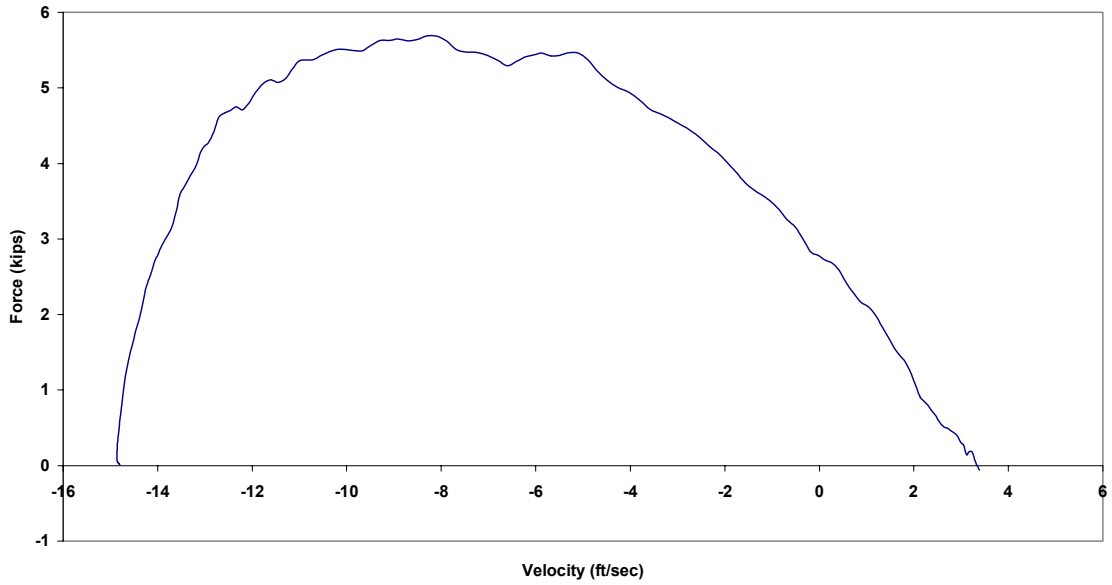


Figure B.202.3 Case 9P: Force vs. Velocity

Case 9P: Precycled 1/2 in. Amsteel Blue (85 lb from 84 in.)

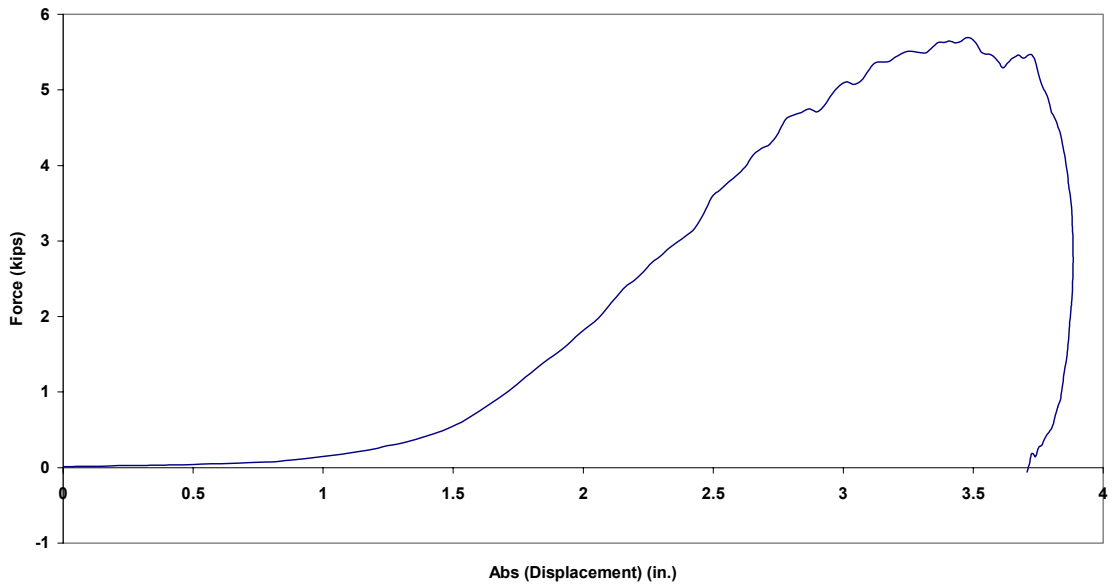


Figure B.202.4 Case 9P: Force vs. Absolute Displacement



Case 10P: Precycled 1/2 in. Amsteel Blue (85 lb from 90 in.)

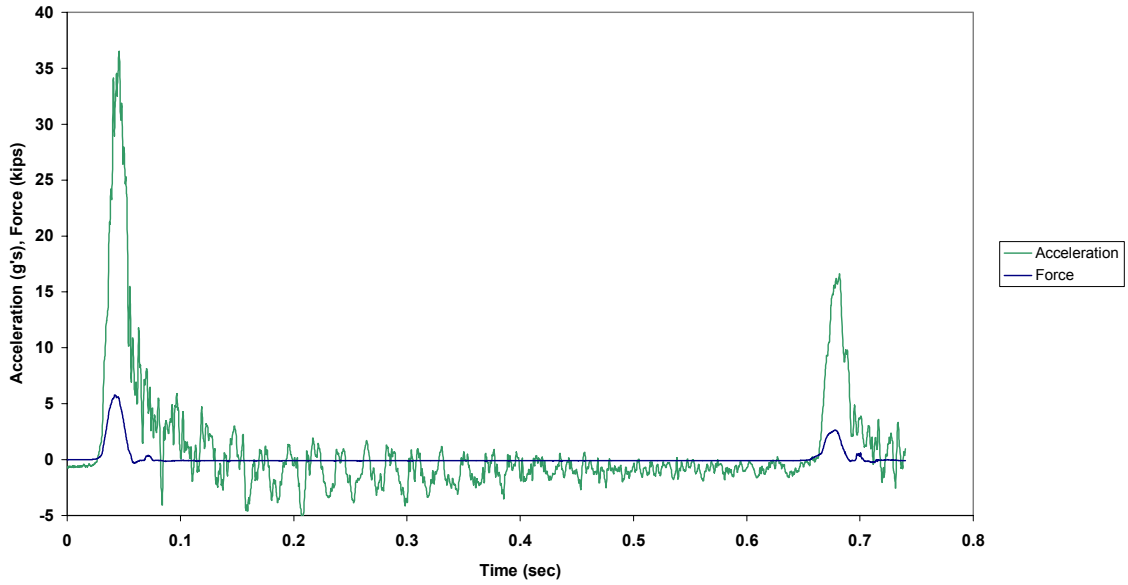


Figure B.203.1 Case 10P: Force and Acceleration vs. Time

Case 10P: Precycled 1/2 in. Amsteel Blue (85 lb from 90 in.)

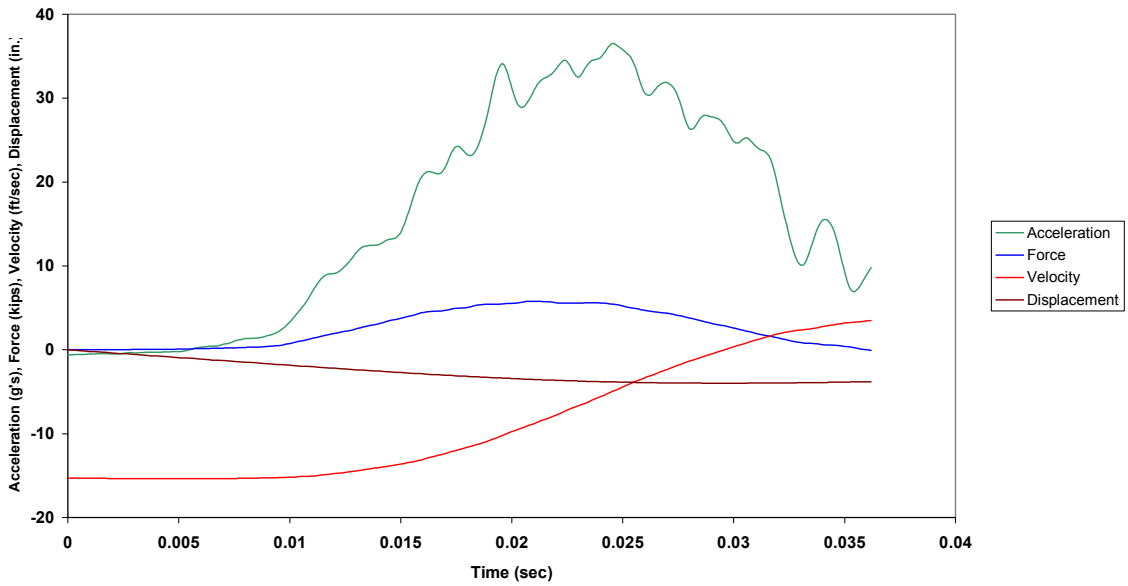


Figure B.203.2 Case 10P: Combined Plot

Case 10P: Precycled 1/2 in. Amsteel Blue (85 lb from 90 in.)

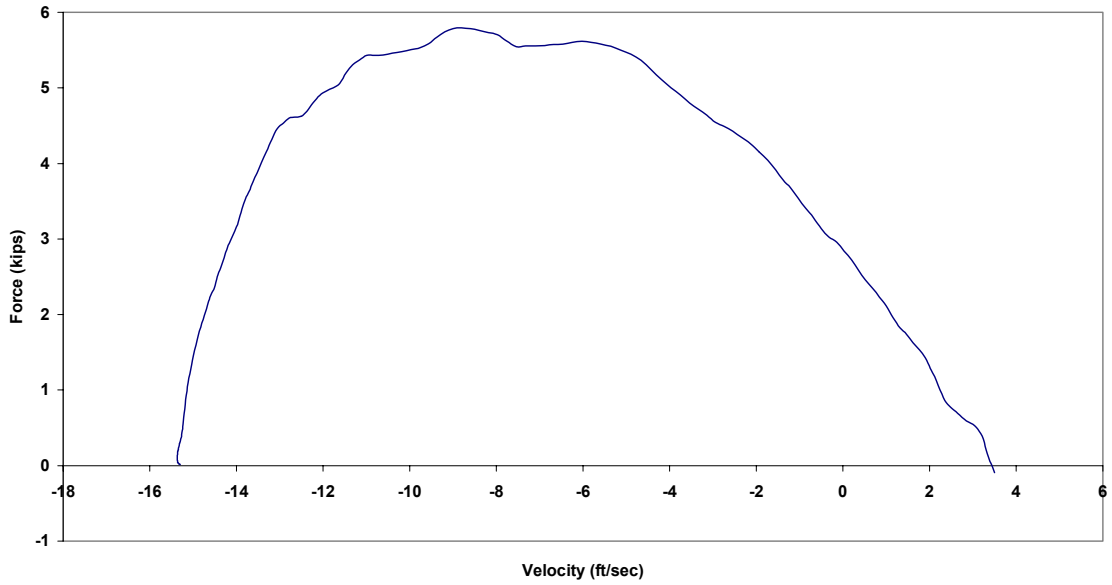


Figure B.203.3 Case 10P: Force vs. Velocity

Case 10P: Precycled 1/2 in. Amsteel Blue (85 lb from 90 in.)

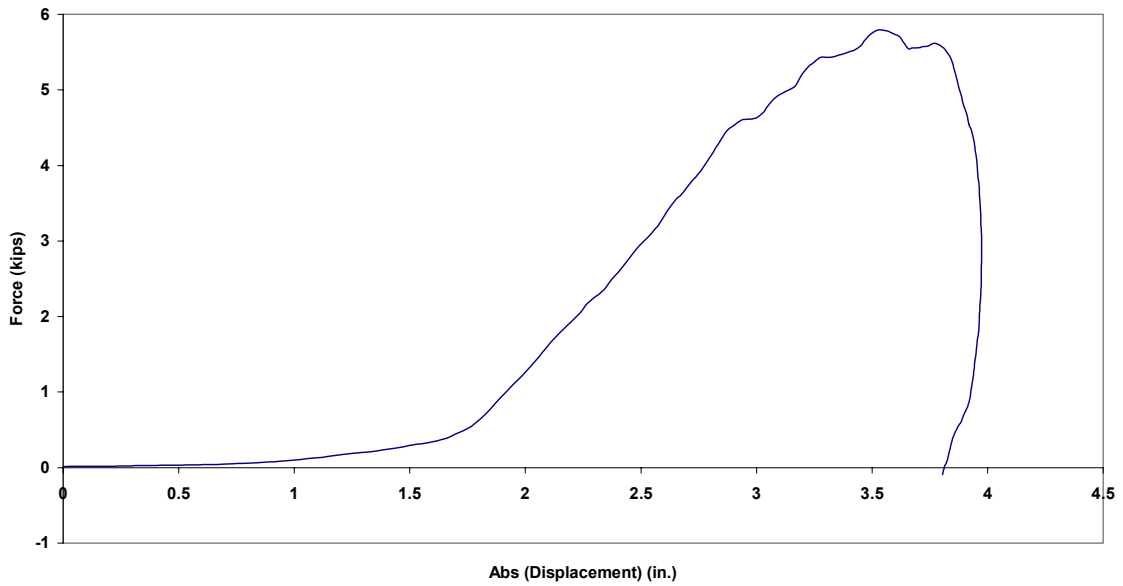


Figure B.203.4 Case 10P: Force vs. Absolute Displacement

Case 1Q: Precycled 3/8 in. Amsteel Blue (25 lb from 56 in.)

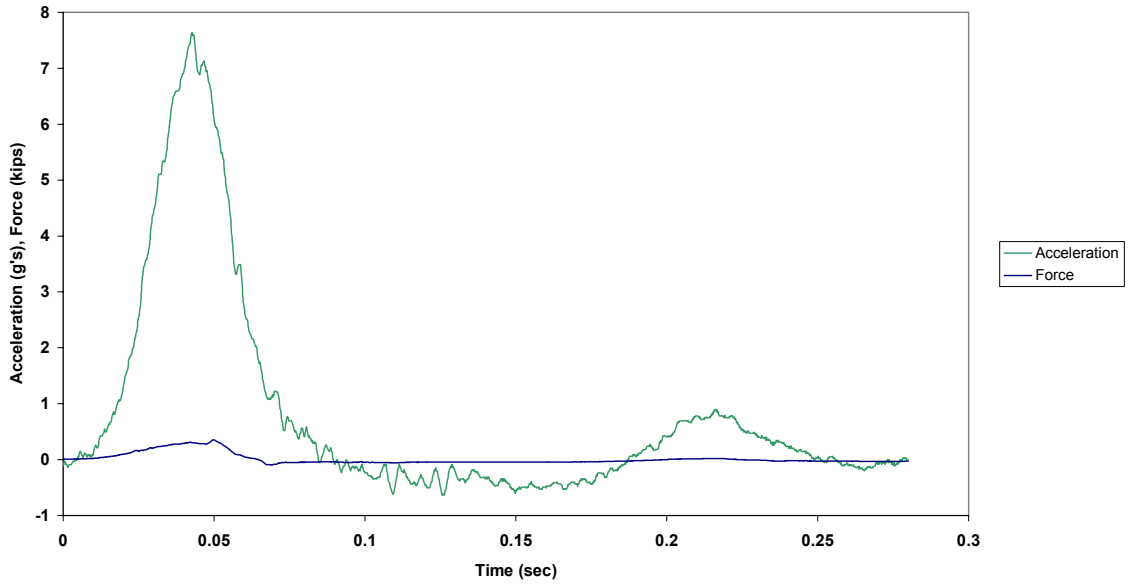


Figure B.204.1 Case 1Q: Force and Acceleration vs. Time

Case 1Q: Precycled 3/8 in. Amsteel Blue (25 lb from 56 in.)

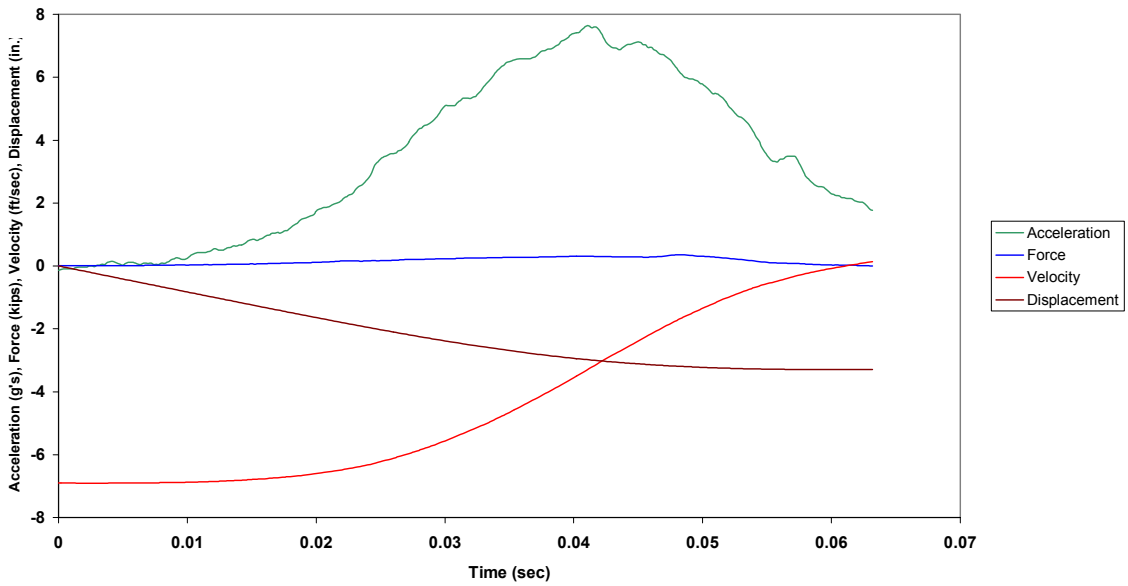


Figure B.204.2 Case 1Q: Combined Plot

Case 1Q: Precycled 3/8 in. Amsteel Blue (25 lb from 56 in.)

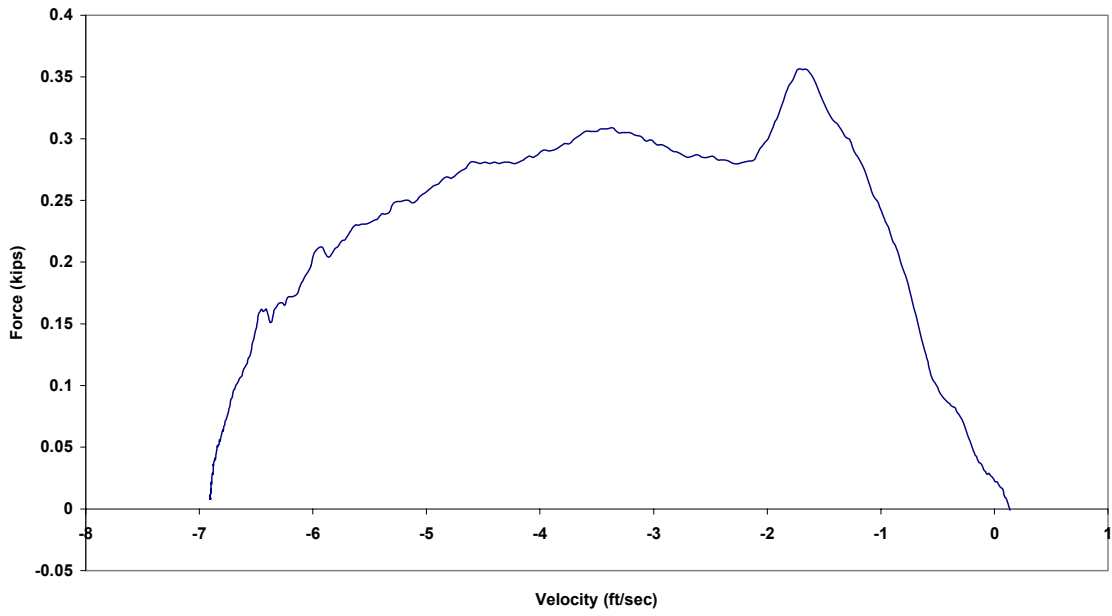


Figure B.204.3 Case 1Q: Force vs. Velocity

Case 1Q: Precycled 3/8 in. Amsteel Blue (25 lb from 56 in.)

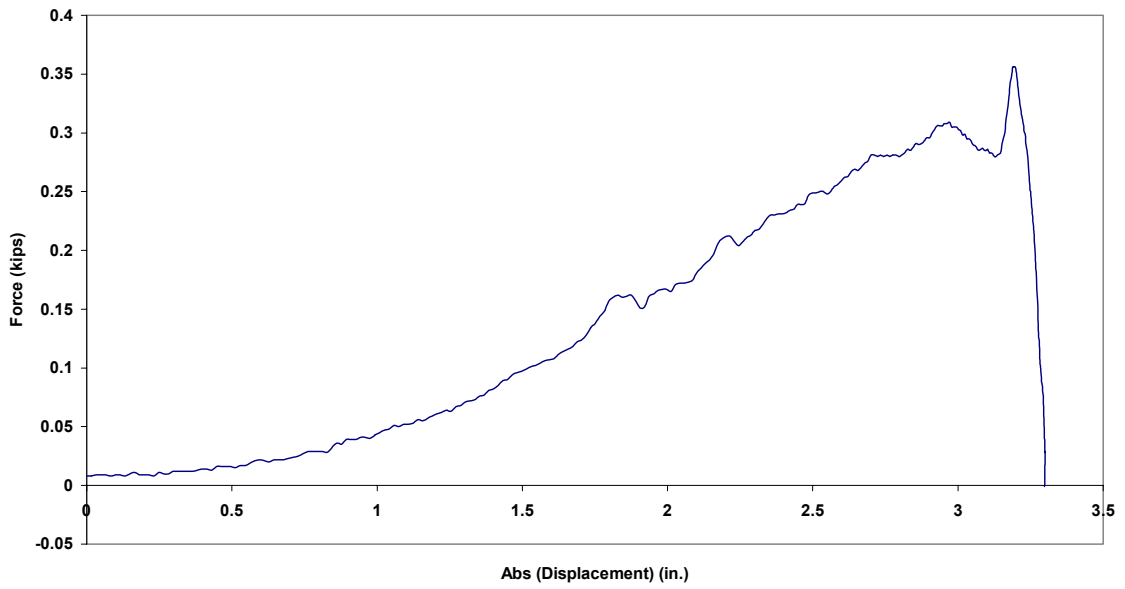


Figure B.204.4 Case 1Q: Force vs. Absolute Displacement

Case 2Q: Precycled 3/8 in. Amsteel Blue (65 lb from 56 in.)

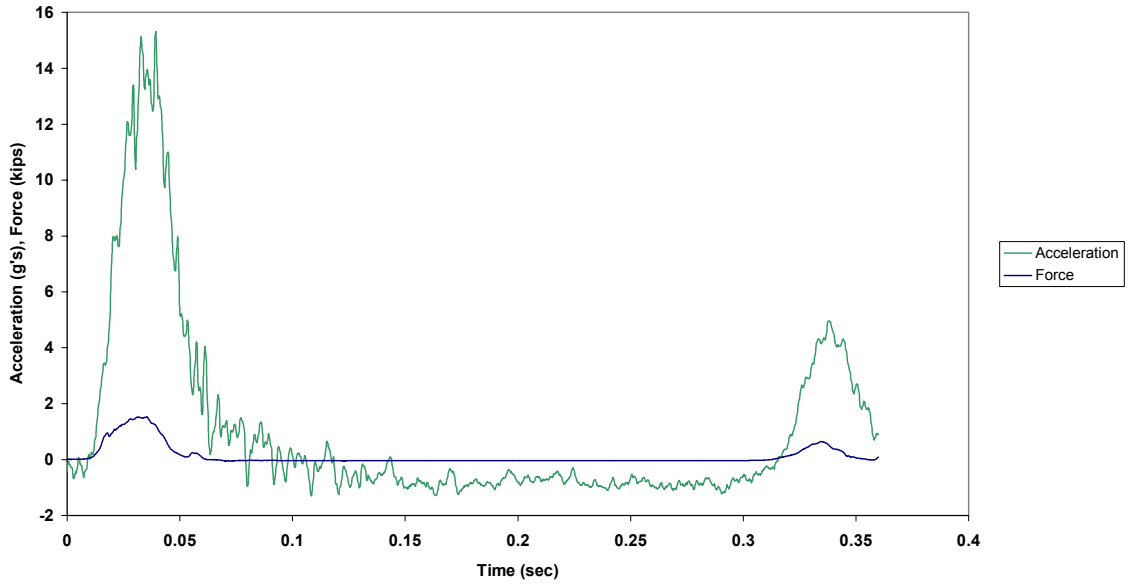


Figure B.205.1 Case 2Q: Force and Acceleration vs. Time

Case 2Q: Precycled 3/8 in. Amsteel Blue (65 lb from 56 in.)

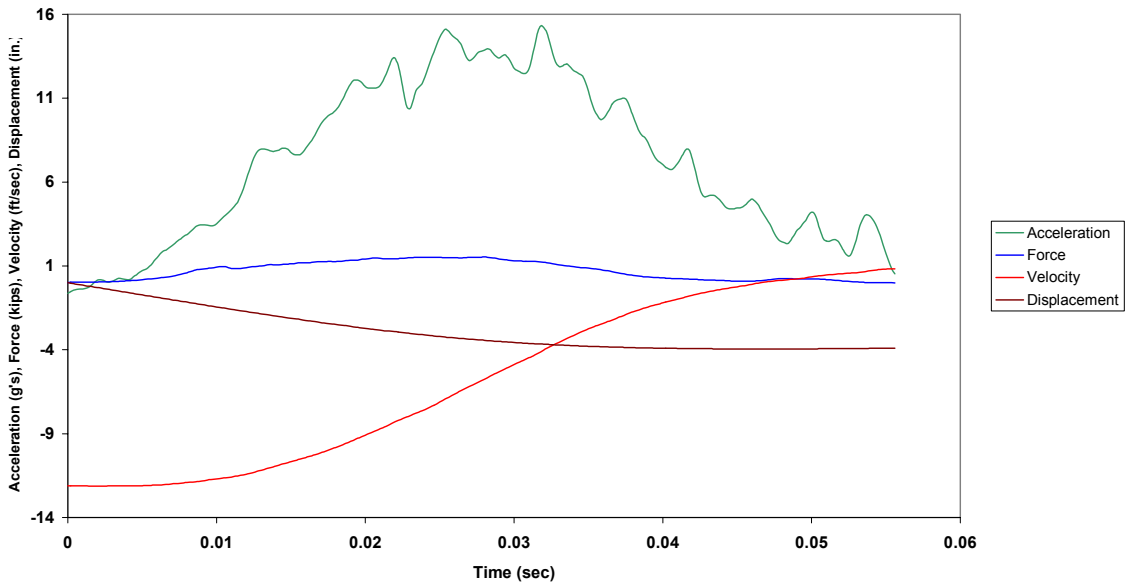


Figure B.205.2 Case 2Q: Combined Plot

Case 2Q: Precycled 3/8 in. Amsteel Blue (65 lb from 56 in.)

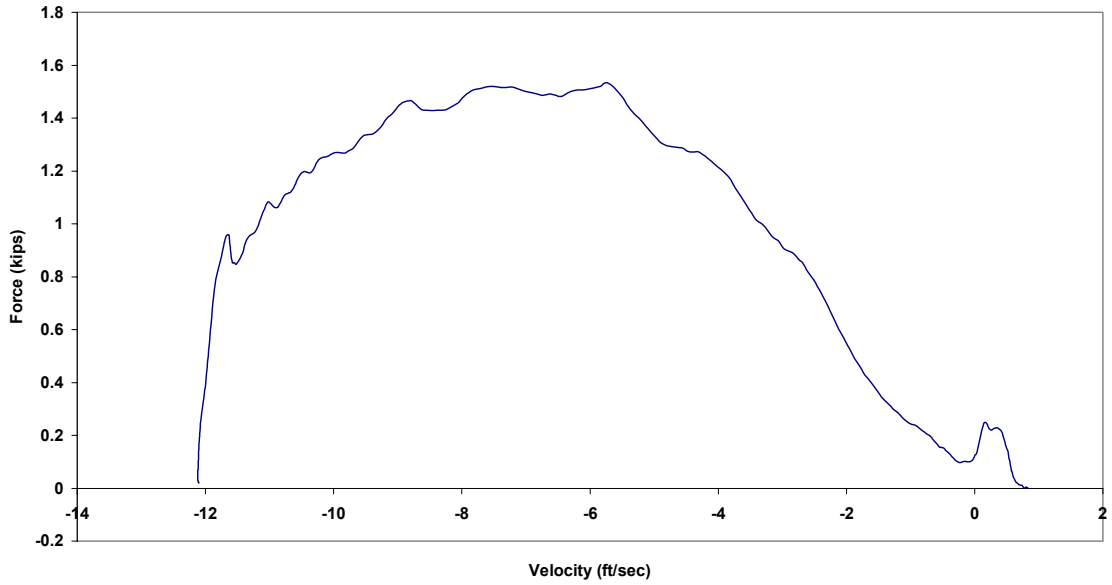


Figure B.205.3 Case 2Q: Force vs. Velocity

Case 2Q: Precycled 3/8 in. Amsteel Blue (65 lb from 56 in.)

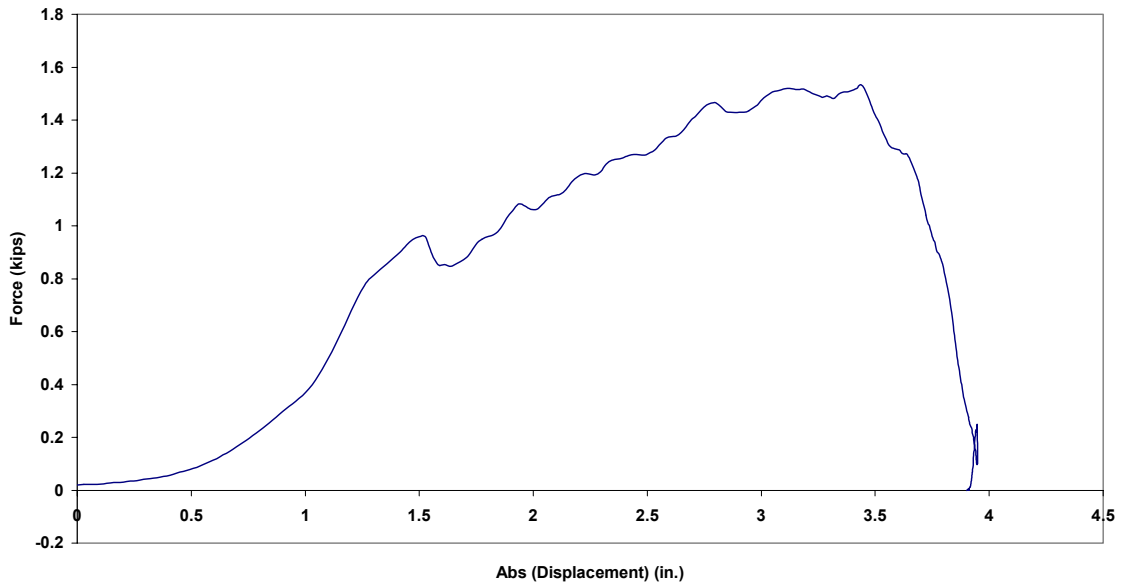


Figure B.205.4 Case 2Q: Force vs. Absolute Displacement

Case 3Q: Precycled 3/8 in. Amsteel Blue (85 lb from 56 in.)

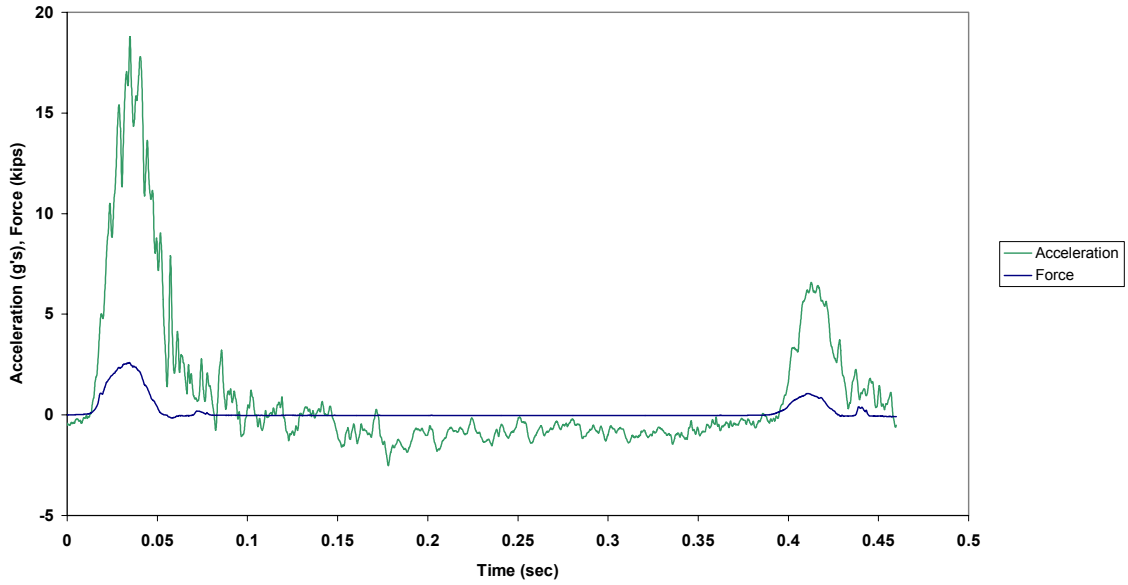


Figure B.206.1 Case 3Q: Force and Acceleration vs. Time

Case 3Q: Precycled 3/8 in. Amsteel Blue (85 lb from 56 in.)

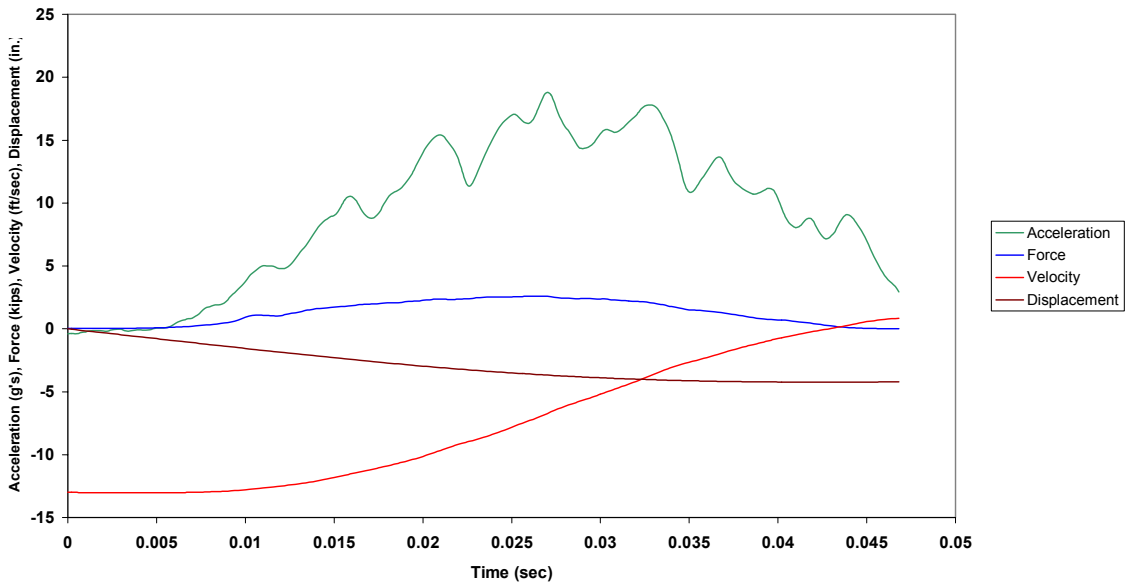


Figure B.206.2 Case 3Q: Combined Plot

Case 3Q: Precycled 3/8 in. Amsteel Blue (85 lb from 56 in.)

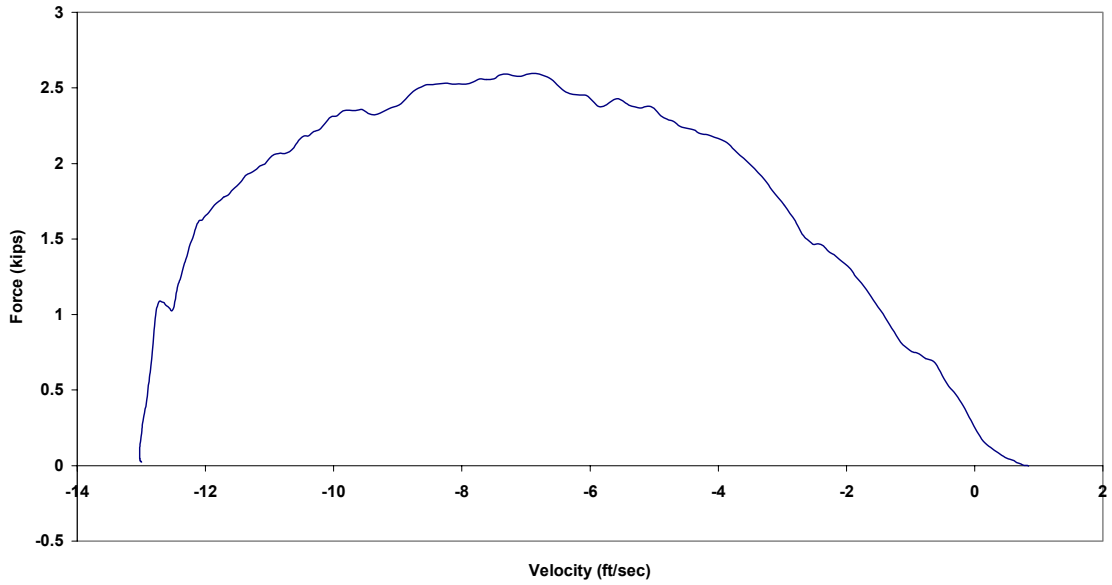


Figure B.206.3 Case 3Q: Force vs. Velocity

Case 3Q: Precycled 3/8 in. Amsteel Blue (85 lb from 56 in.)

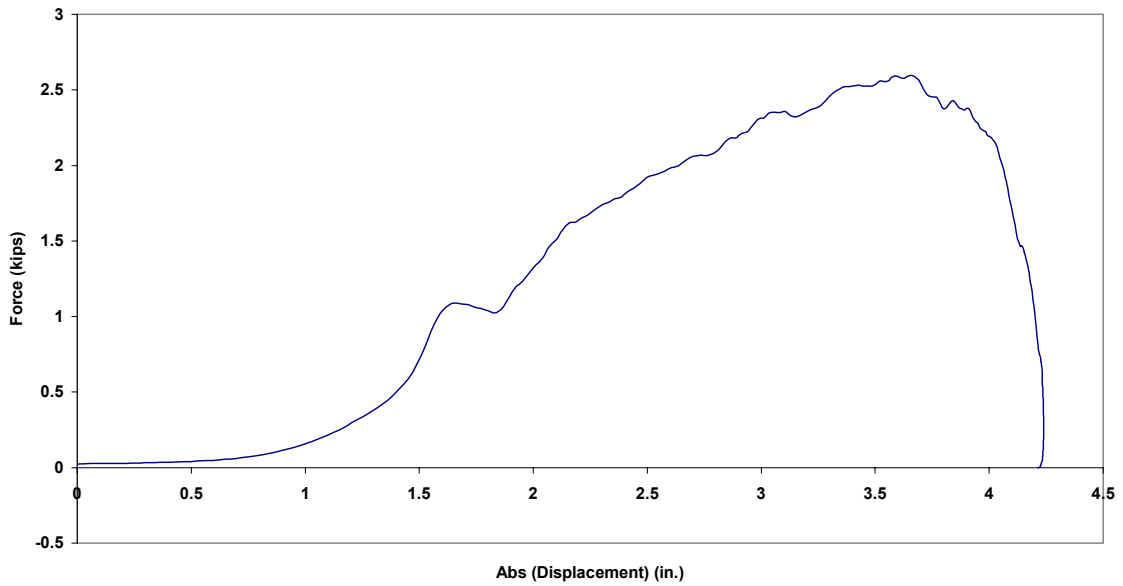


Figure B.206.4 Case 3Q: Force vs. Absolute Displacement



Case 4Q: Precycled 3/8 in. Amsteel Blue (105 lb from 56 in.)

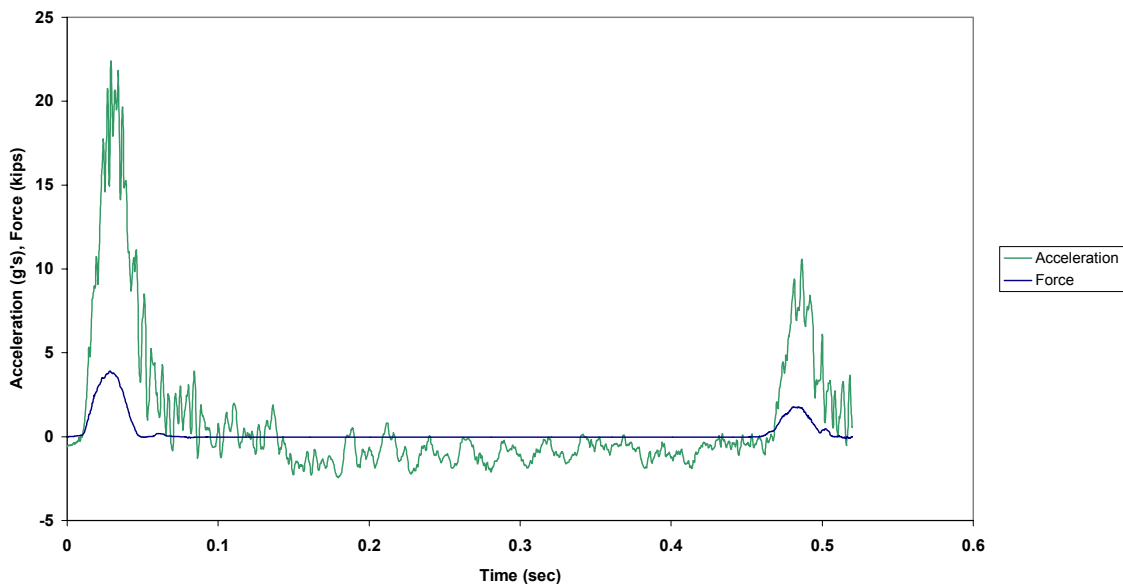


Figure B.207.1 Case 4Q: Force and Acceleration vs. Time

Case 4Q: Precycled 3/8 in. Amsteel Blue (105 lb from 56 in.)

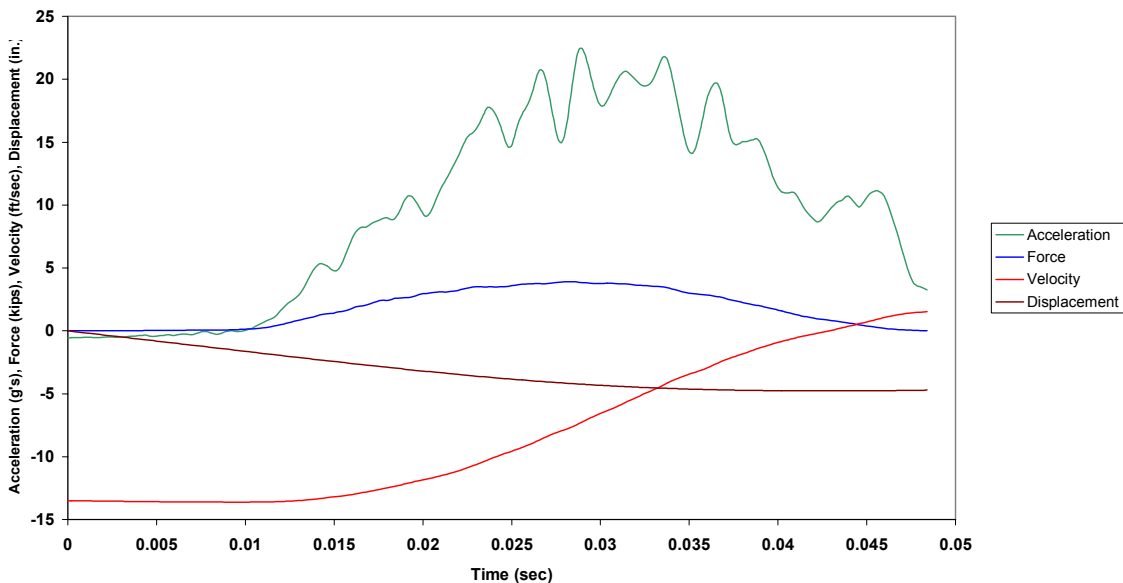


Figure B.207.2 Case 4Q: Combined Plot

Case 4Q: Precycled 3/8 in. Amsteel Blue (105 lb from 56 in.)

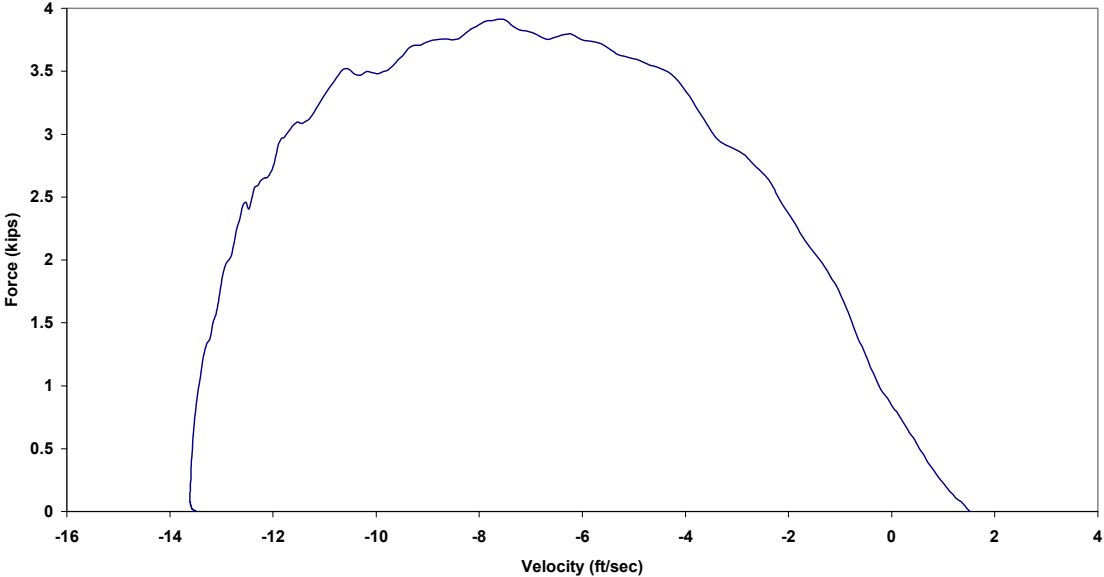


Figure B.207.3 Case 4Q: Force vs. Velocity

Case 4Q: Precycled 3/8 in. Amsteel Blue (105 lb from 56 in.)

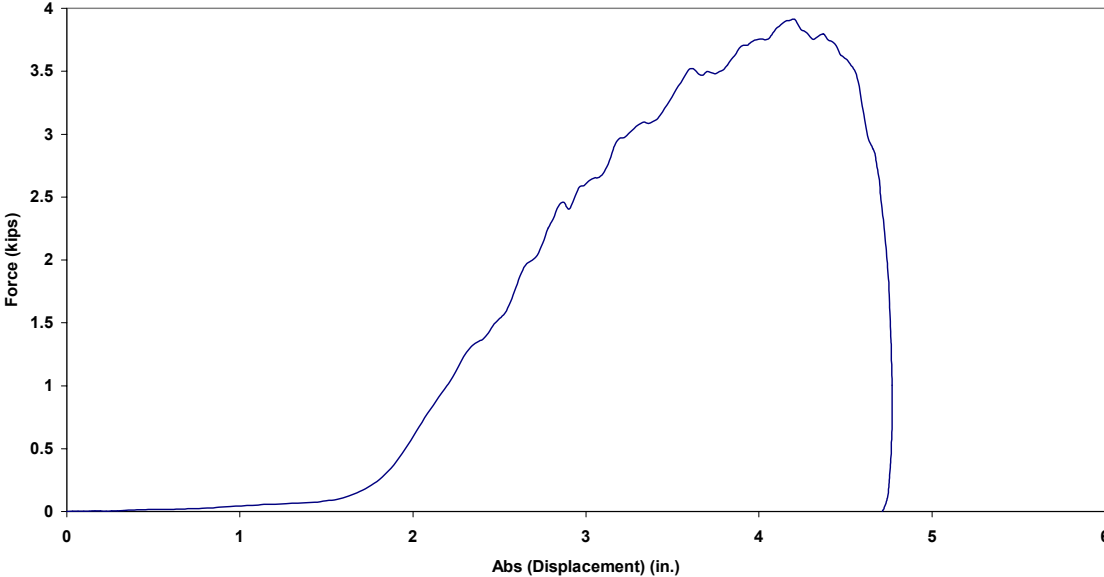


Figure B.207.4 Case 4Q: Force vs. Absolute Displacement

Case 5Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

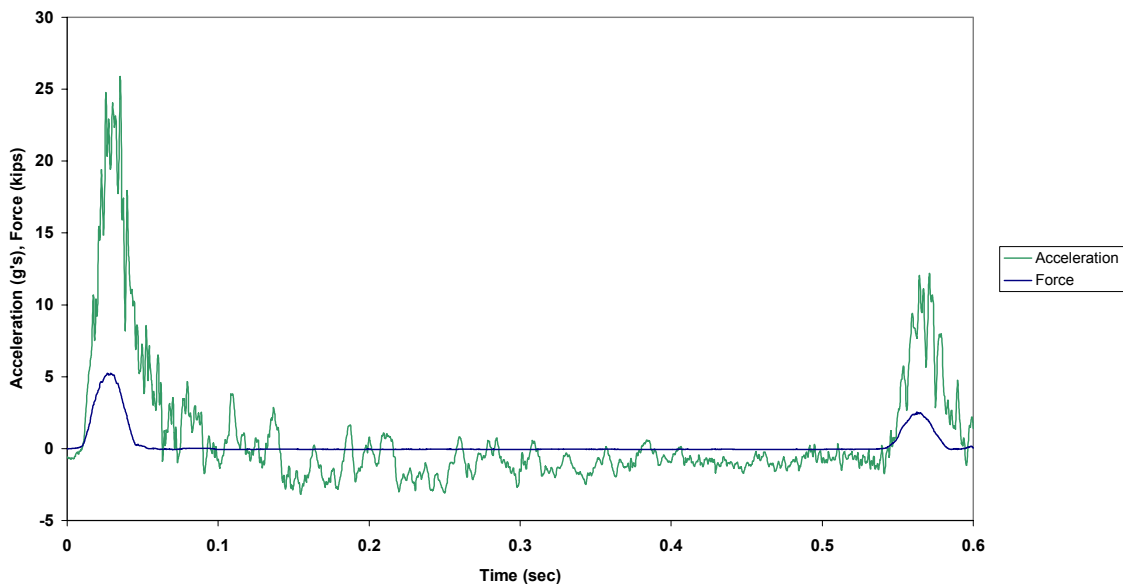


Figure B.208.1 Case 5Q: Force and Acceleration vs. Time

Case 5Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

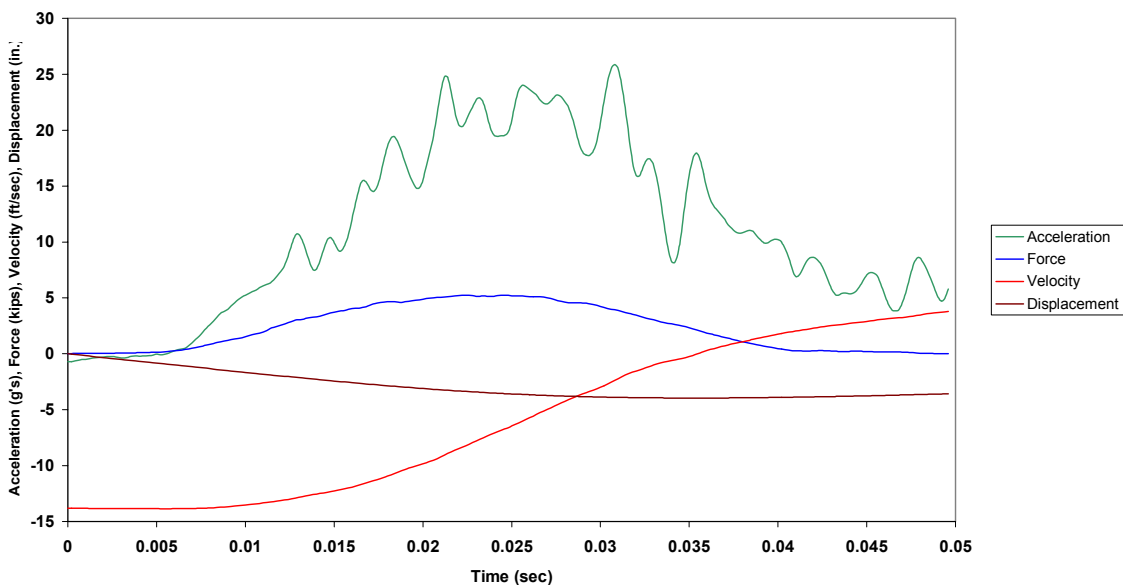


Figure B.208.2 Case 5Q: Combined Plot

Case 5Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

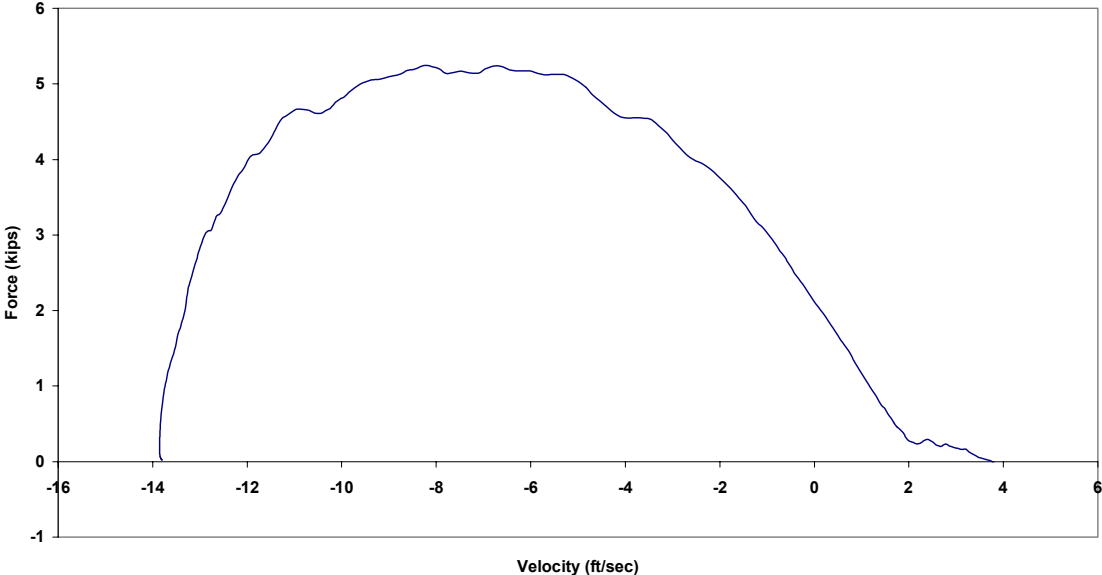


Figure B.208.3 Case 5Q: Force vs. Velocity

Case 5Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

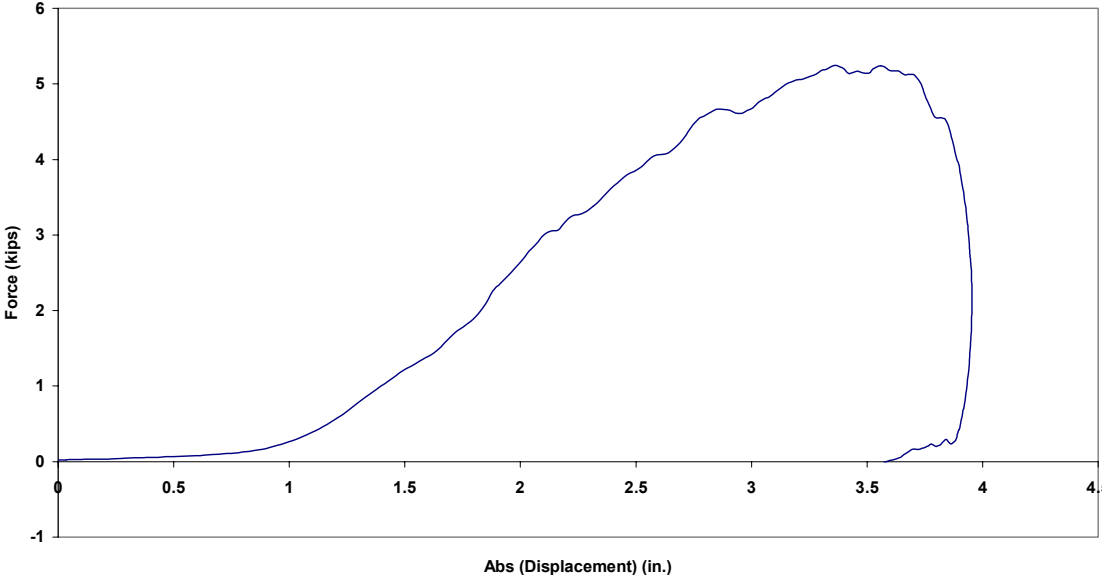


Figure B.208.4 Case 5Q: Force vs. Absolute Displacement

Case 6Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

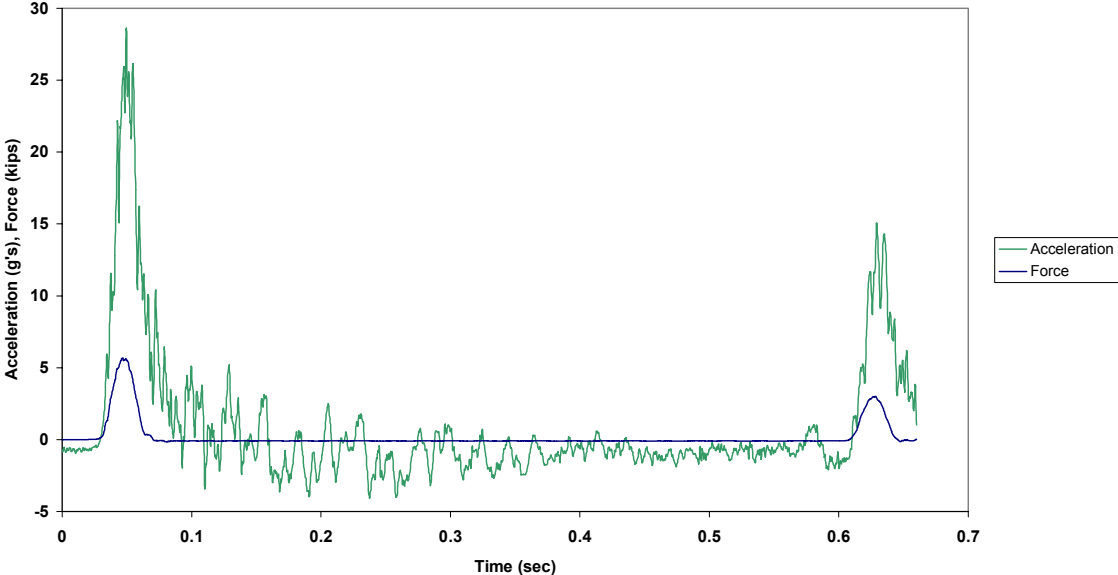


Figure B.209.1 Case 6Q: Force and Acceleration vs. Time

Case 6Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

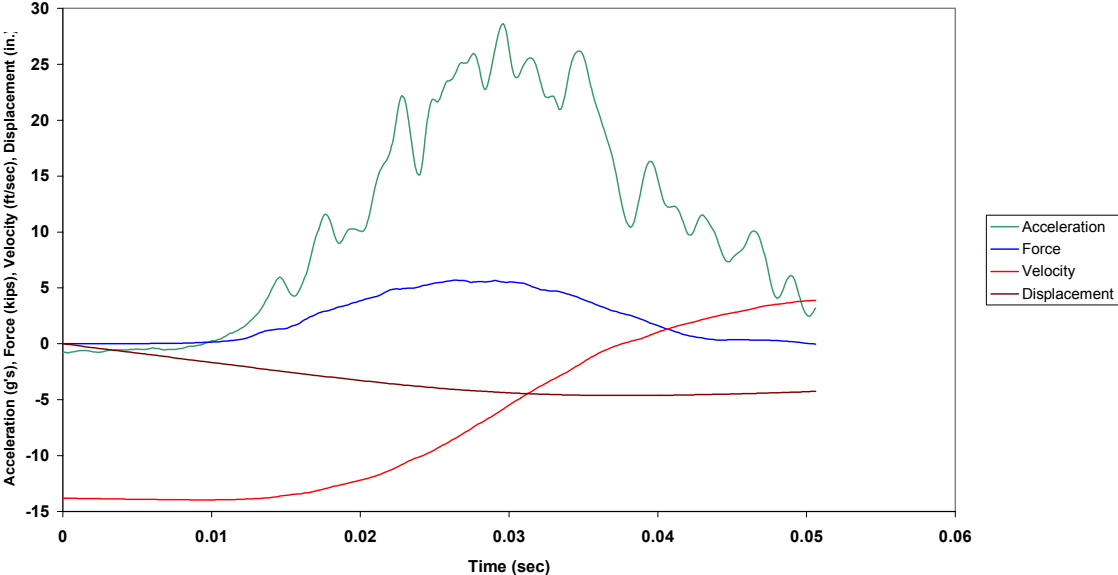


Figure B.209.2 Case 6Q: Combined Plot

Case 6Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

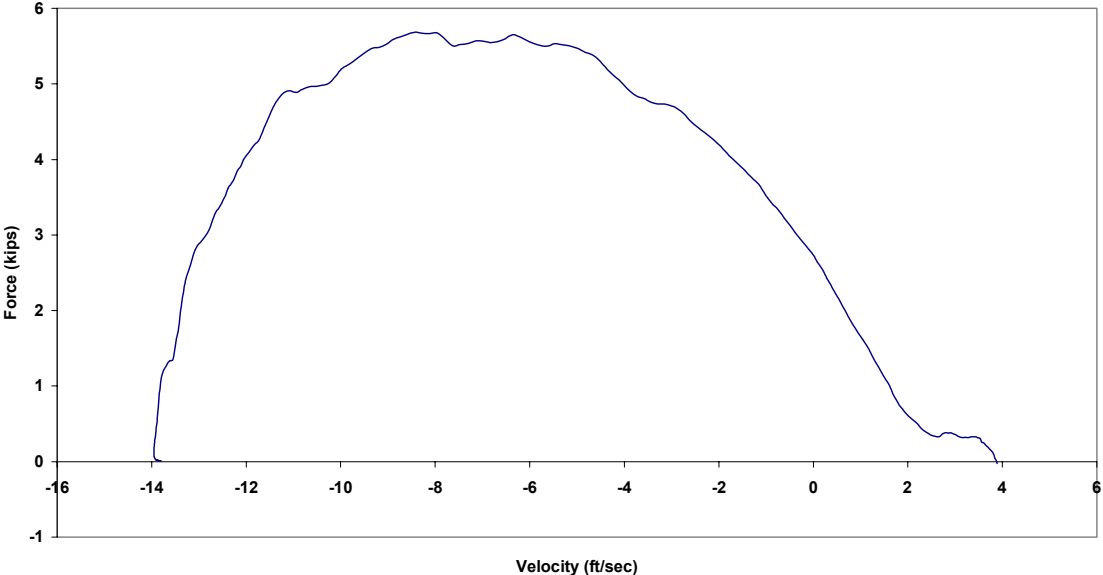


Figure B.209.3 Case 6Q: Force vs. Velocity

Case 6Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

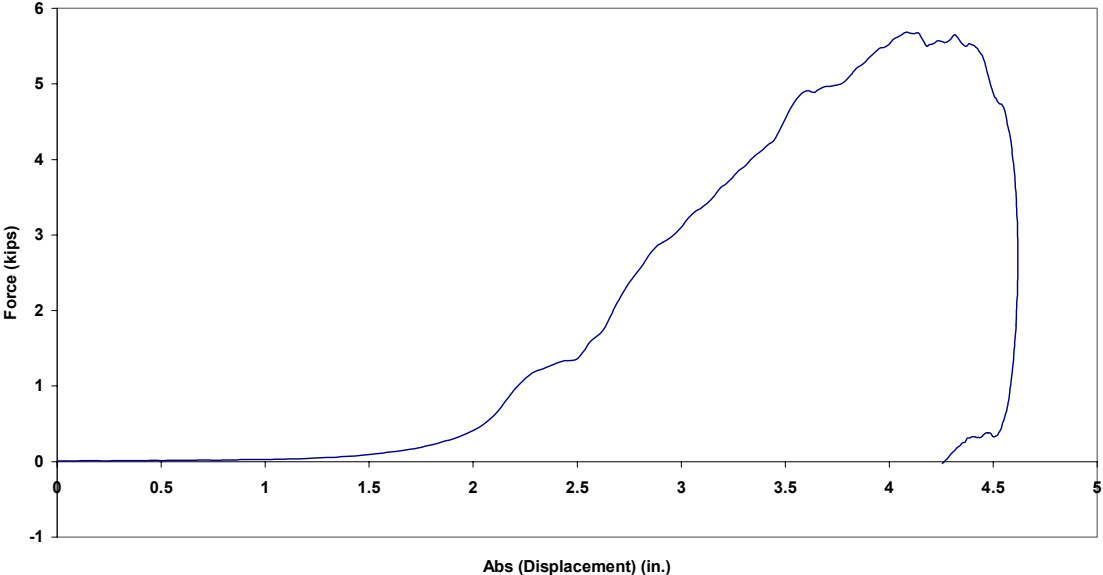


Figure B.209.4 Case 6Q: Force vs. Absolute Displacement

Case 7Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

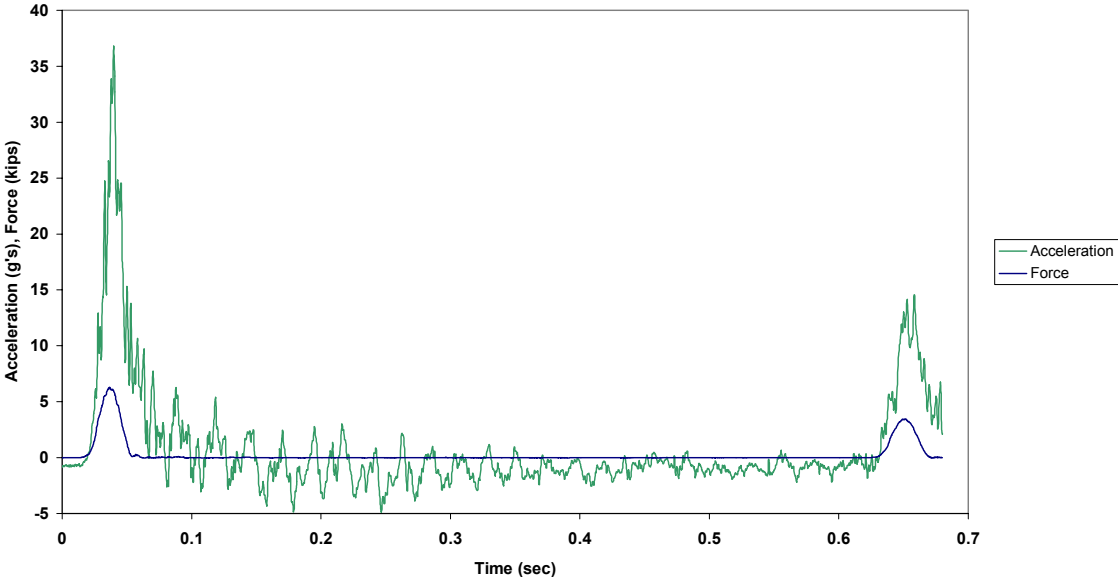


Figure B.210.1 Case 7Q: Force and Acceleration vs. Time

Case 7Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

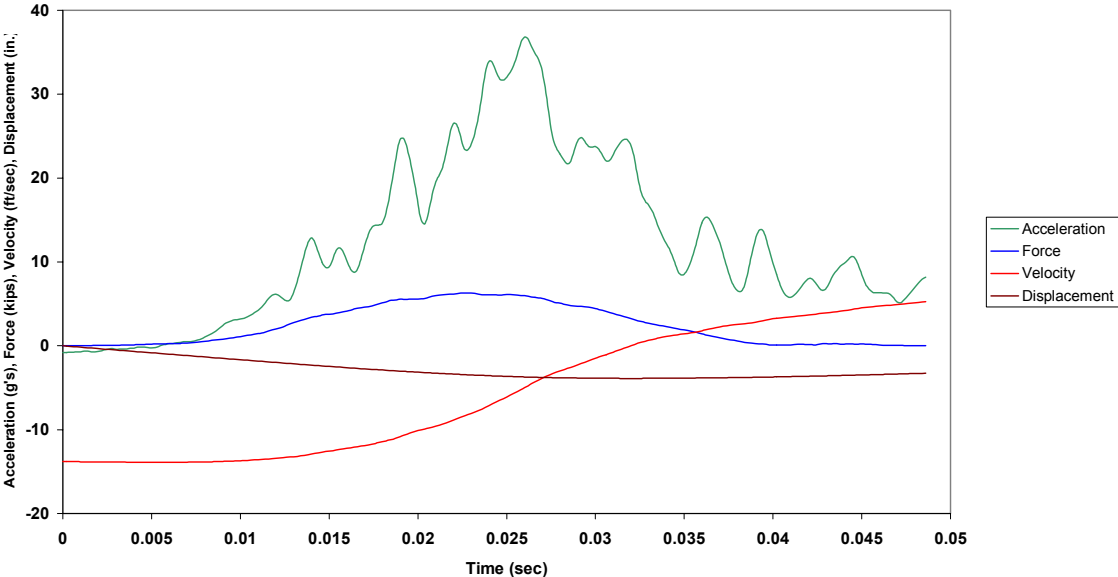


Figure B.210.2 Case 7Q: Combined Plot

Case 7Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

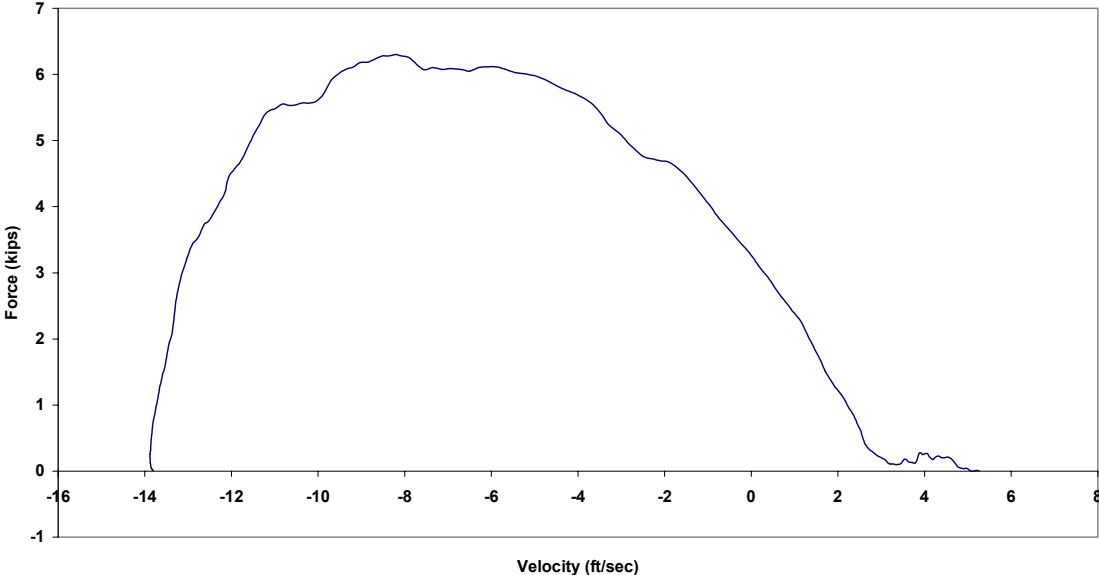


Figure B.210.3 Case 7Q: Force vs. Velocity

Case 7Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

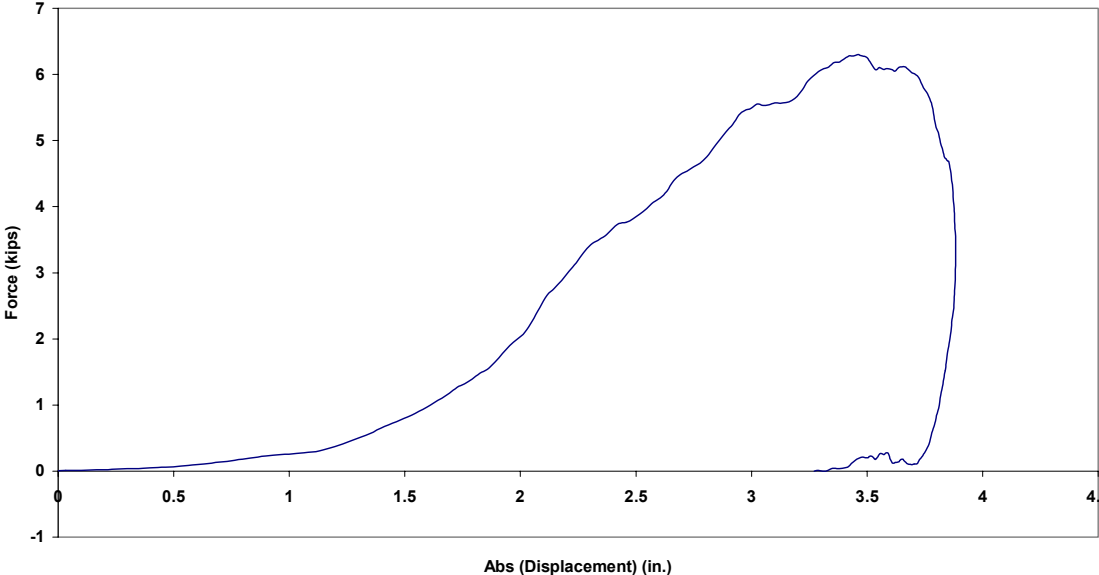


Figure B.210.4 Case 7Q: Force vs. Absolute Displacement



Case 8Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

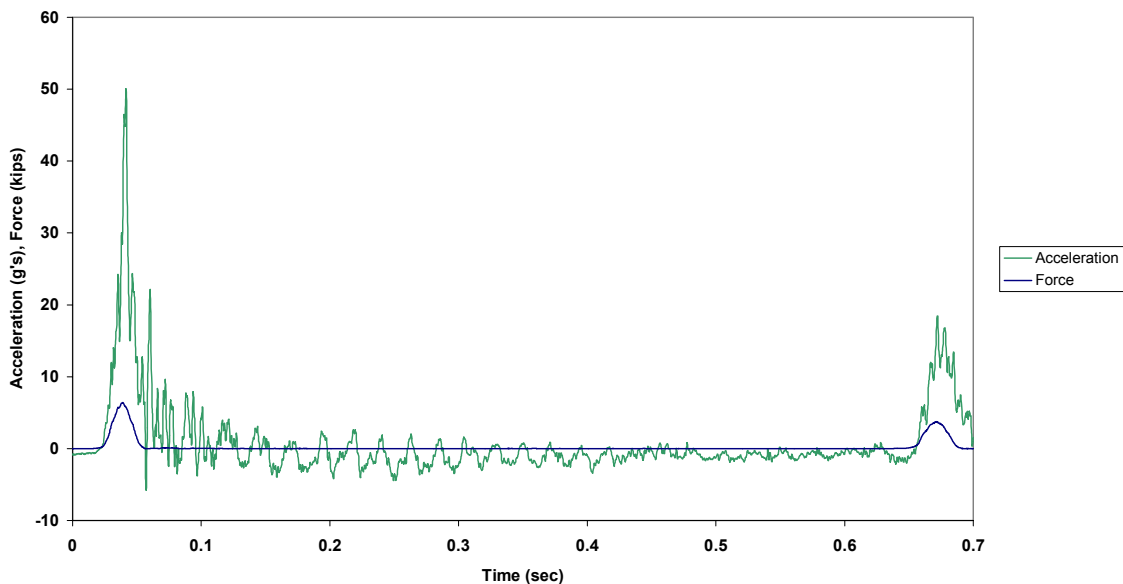


Figure B.211.1 Case 8Q: Force and Acceleration vs. Time

Case 8P: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

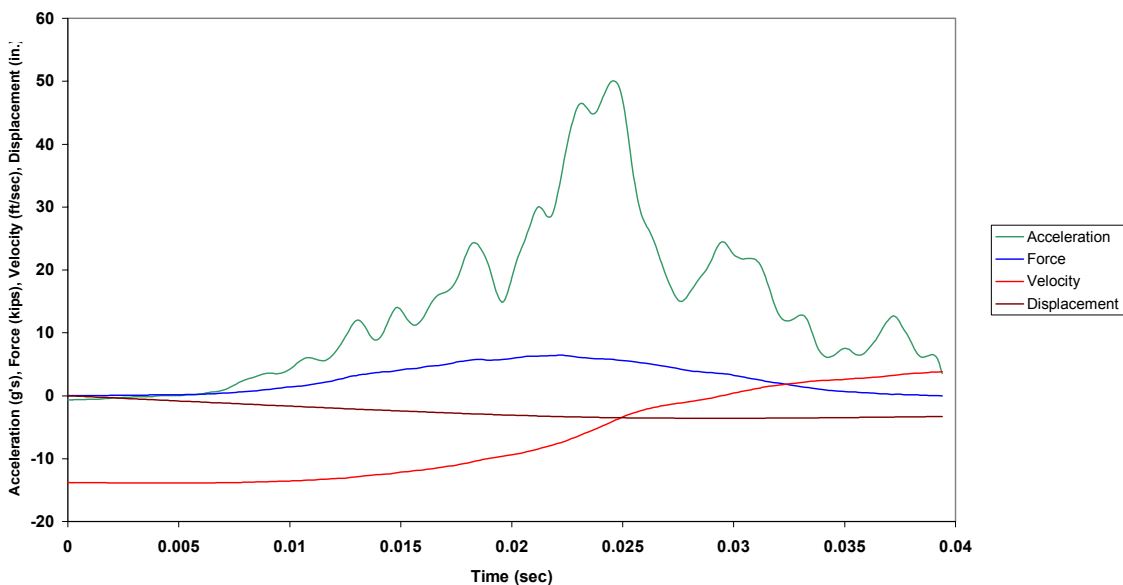


Figure B.211.2 Case 8Q: Combined Plot

Case 8: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

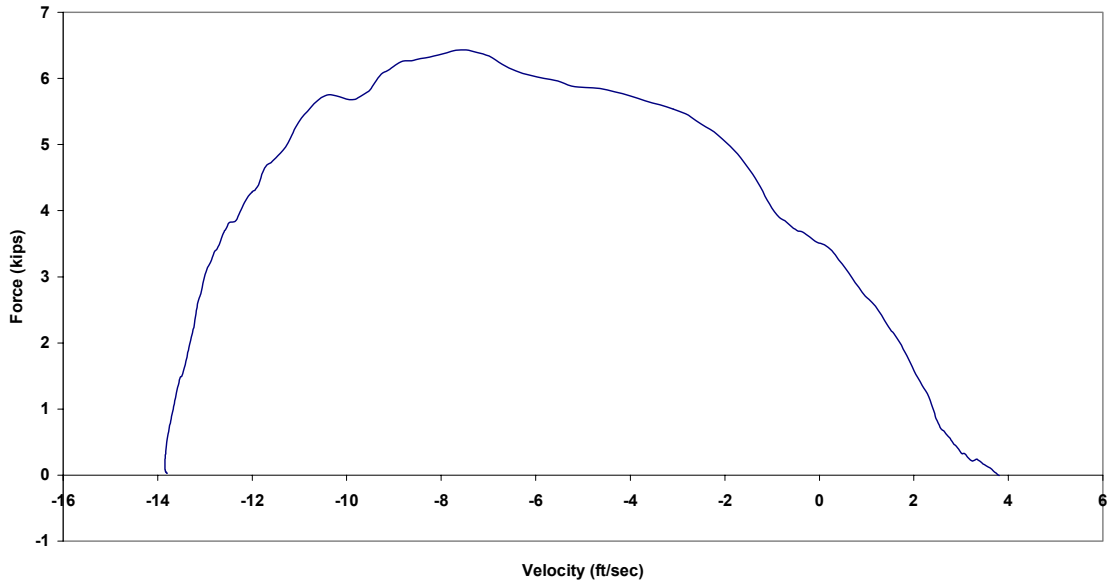


Figure B.211.3 Case 8Q: Force vs. Velocity

Case 8Q: Precycled 3/8 in. Amsteel Blue (125 lb from 56 in.)

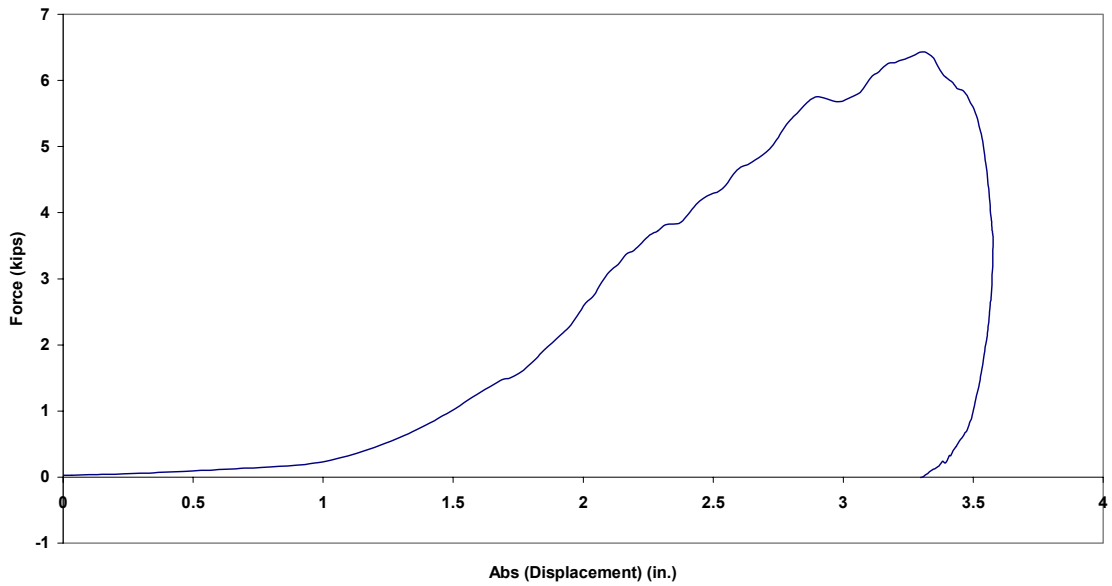


Figure B.211.4 Case 8Q: Force vs. Absolute Displacement

Case 1R: New 3/8 in. Amsteel Blue (45 lb from 55 in.)

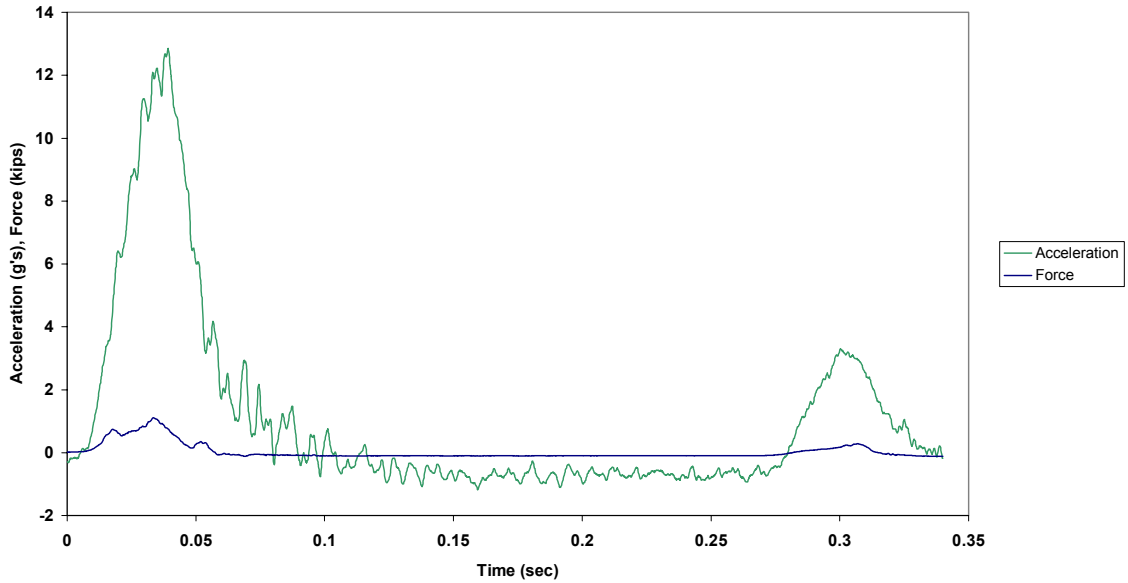


Figure B.212.1 Case 1R: Force and Acceleration vs. Time

Case 1R: New 3/8 in. Amsteel Blue (45 lb from 55 in.)

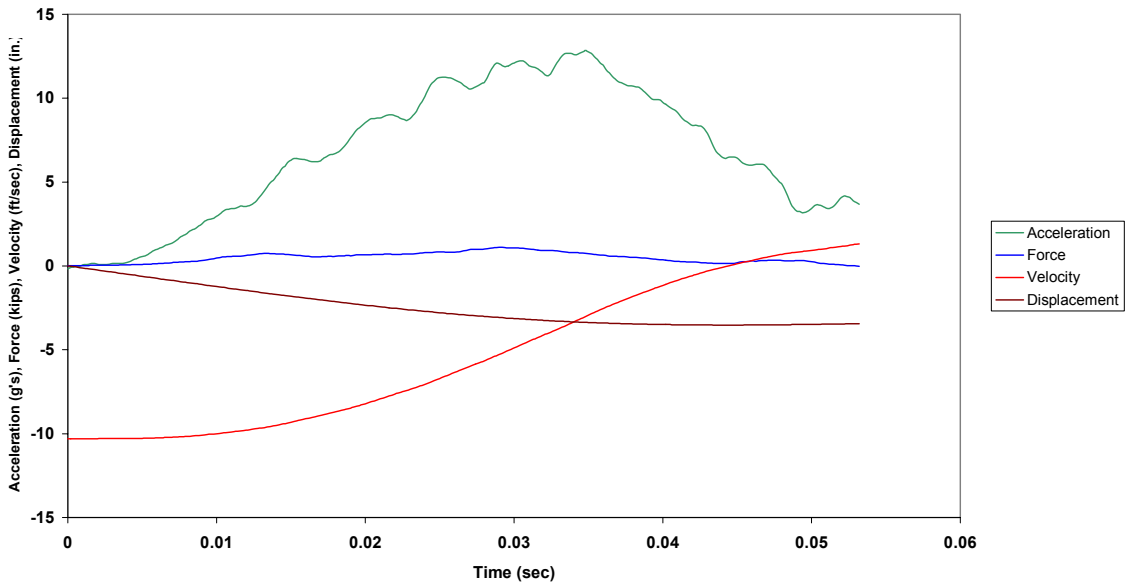


Figure B.212.2 Case 1R: Combined Plot

Case 1R: New 3/8 in. Amsteel Blue (45 lb from 55 in.)

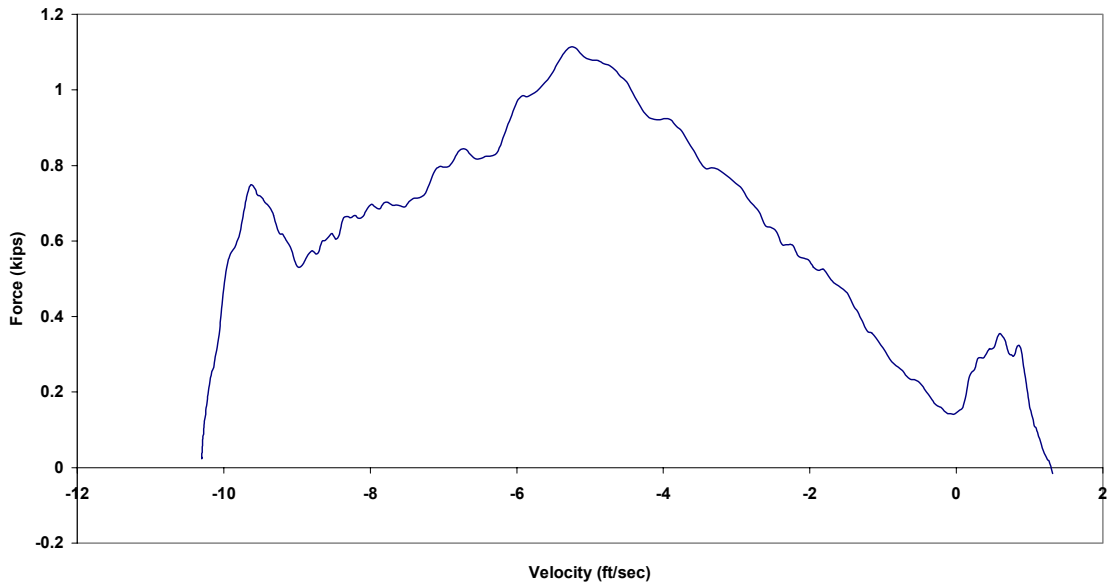


Figure B.212.3 Case 1R: Force vs. Velocity

Case 1R: New 3/8 in. Amsteel Blue (45 lb from 55 in.)

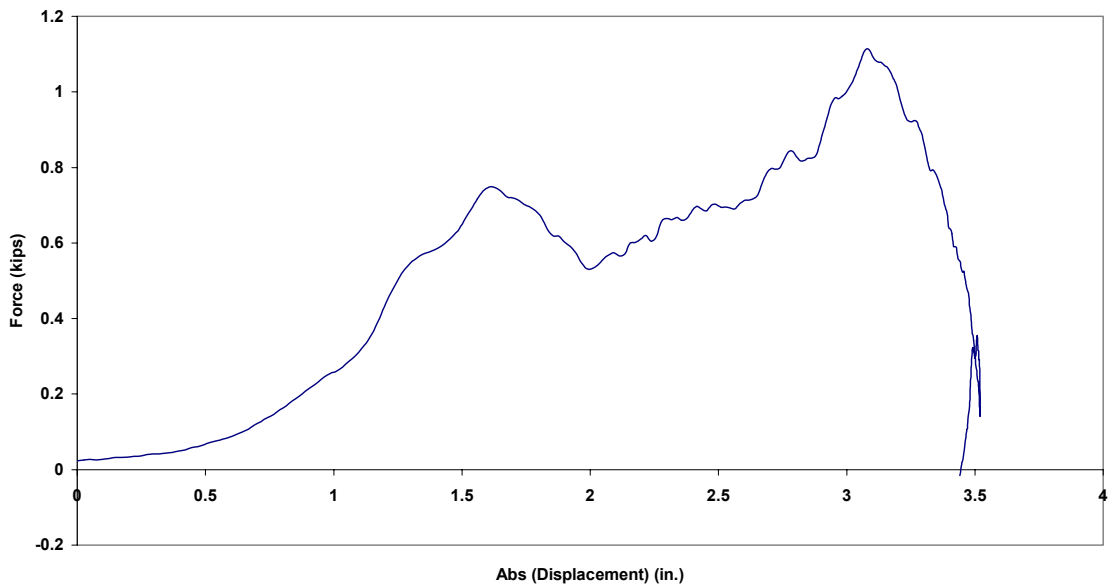


Figure B.212.4 Case 1R: Force vs. Absolute Displacement

Case 2R: New 3/8 in. Amsteel Blue (65 lb from 55 in.)

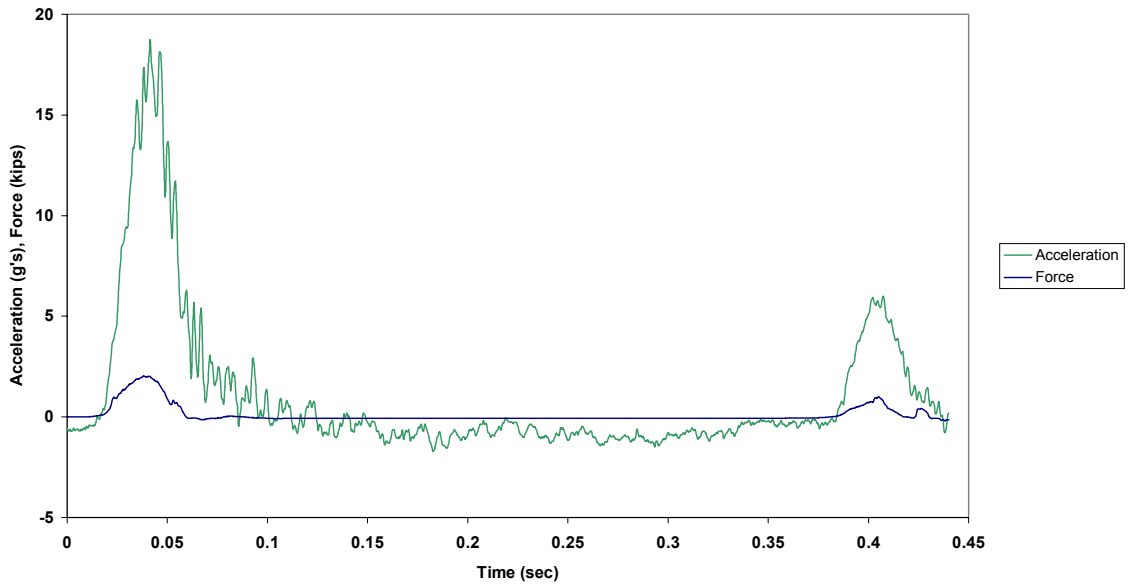


Figure B.213.1 Case 2R: Force and Acceleration vs. Time

Case 2R: New 3/8 in. Amsteel Blue (65 lb from 55 in.)

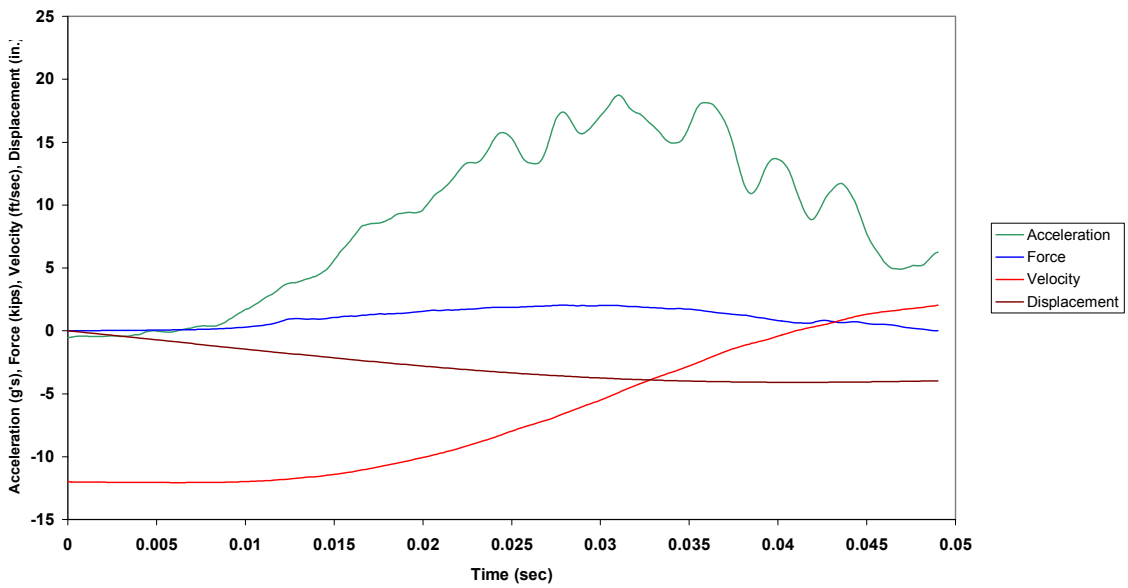


Figure B.213.2 Case 2R: Combined Plot

Case 2R: New 3/8 in. Amsteel Blue (65 lb from 55 in.)

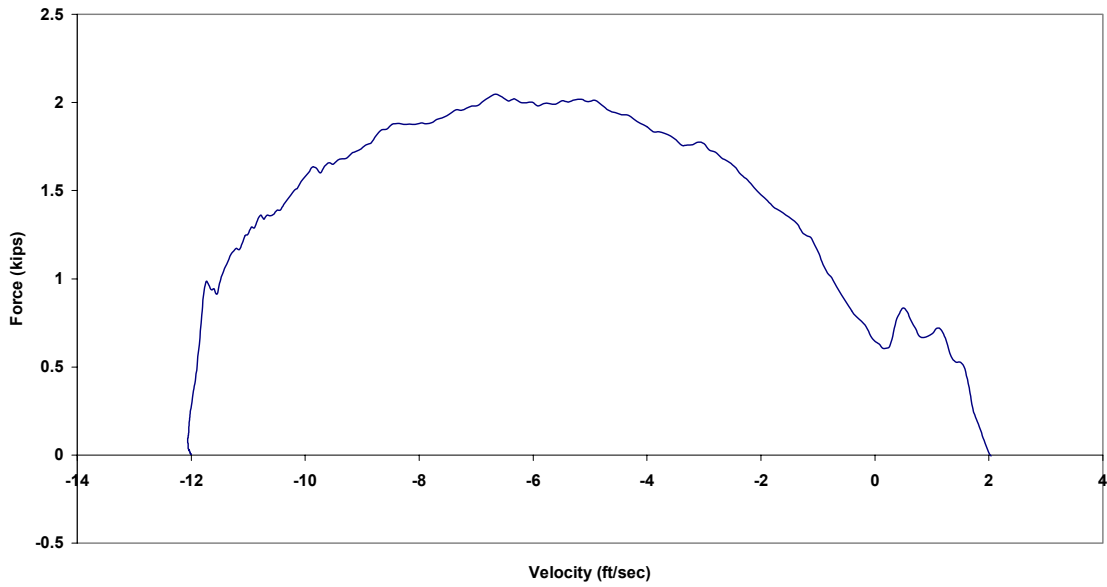


Figure B.213.3 Case 2R: Force vs. Velocity

Case 2R: New 3/8 in. Amsteel Blue (65 lb from 55 in.)

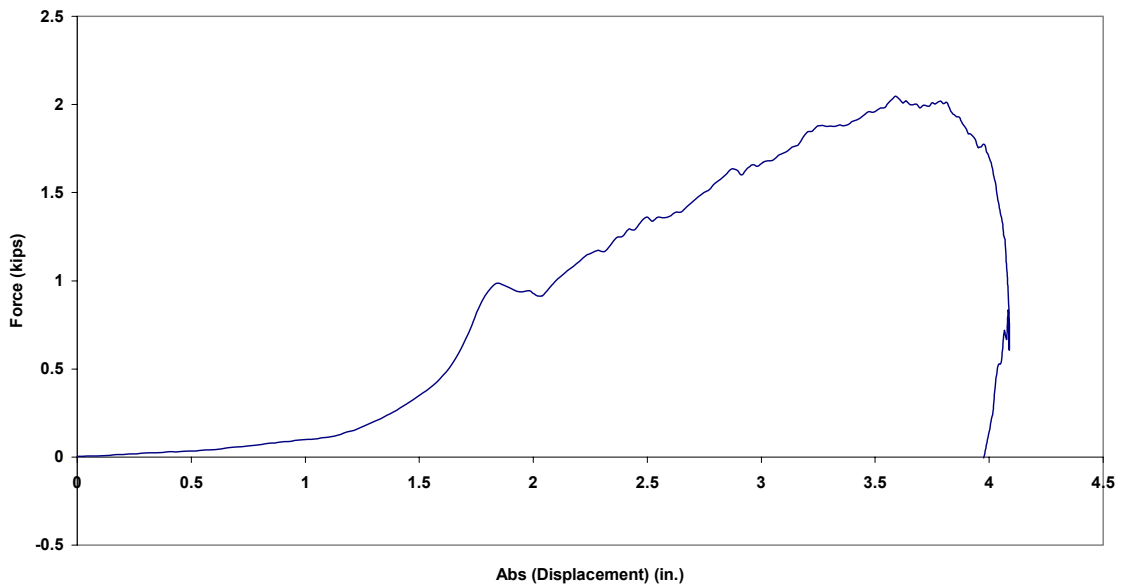


Figure B.213.4 Case 2R: Force vs. Absolute Displacement

Case 3R: New 3/8 in. Amsteel Blue (85 lb from 55 in.)

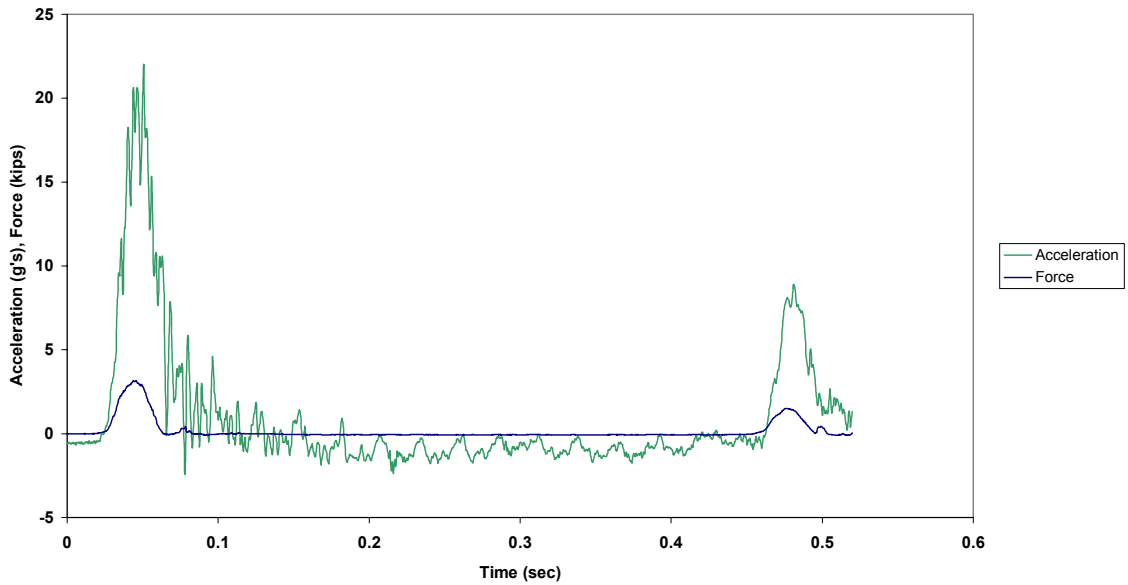


Figure B.214.1 Case 3R: Force and Acceleration vs. Time

Case 3R: New 3/8 in. Amsteel Blue (85 lb from 55 in.)

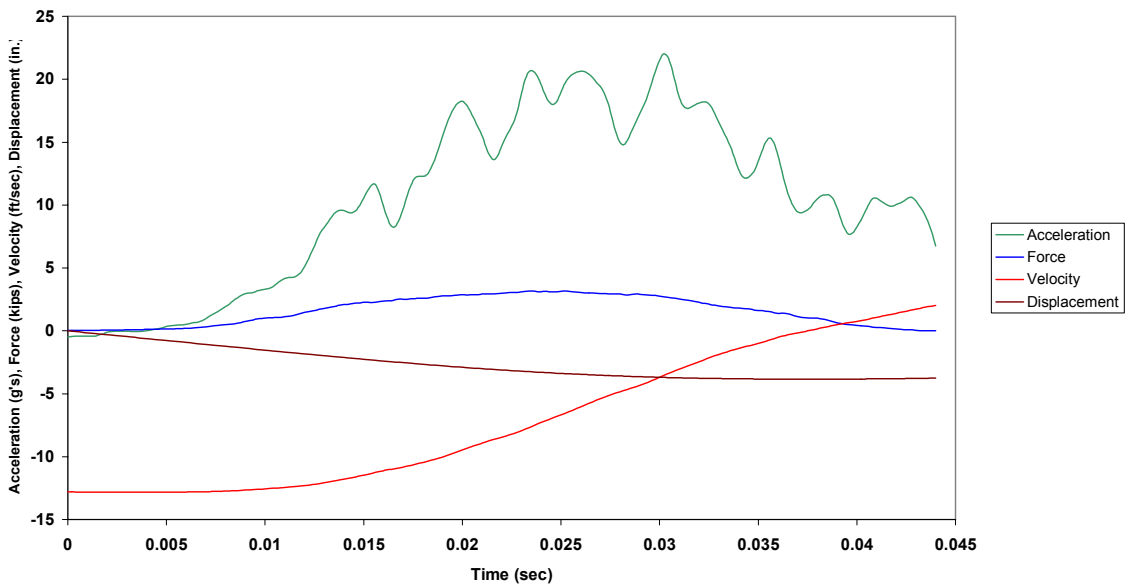


Figure B.214.2 Case 3R: Combined Plot

Case 3R: New 3/8 in. Amsteel Blue (85 lb from 55 in.)

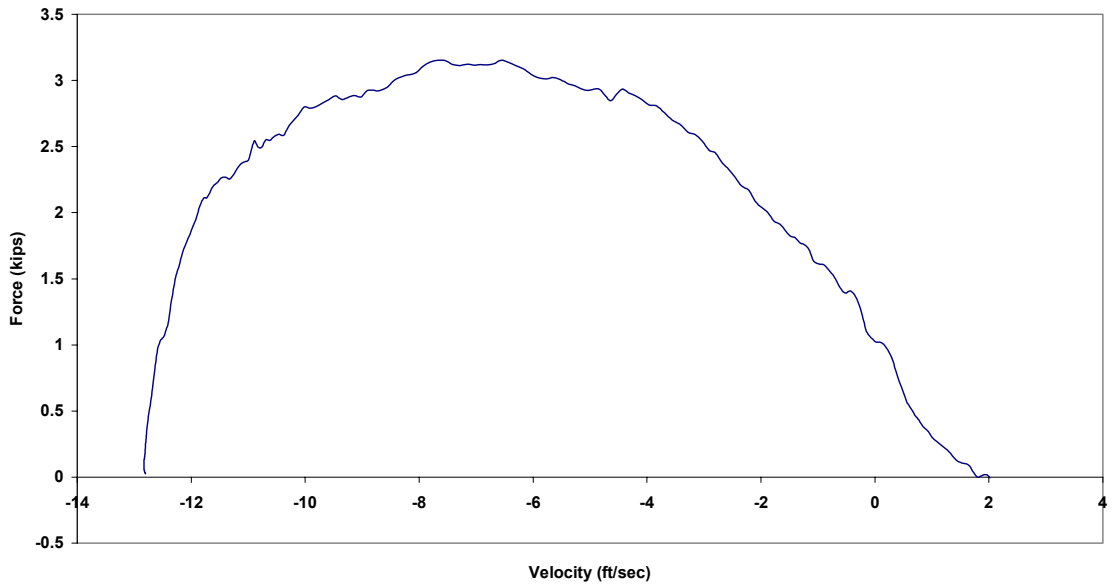


Figure B.214.3 Case 3R: Force vs. Velocity

Case 3R: New 3/8 in. Amsteel Blue (85 lb from 55 in.)

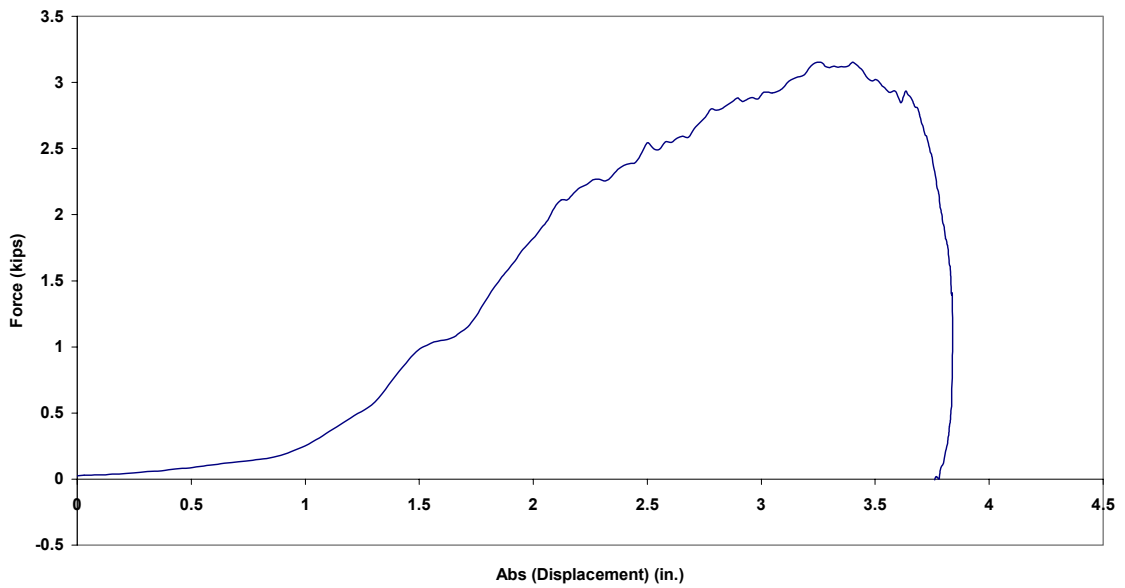


Figure B.214.4 Case 3R: Force vs. Absolute Displacement



Case 4R: New 3/8 in. Amsteel Blue (105 lb from 55 in.)

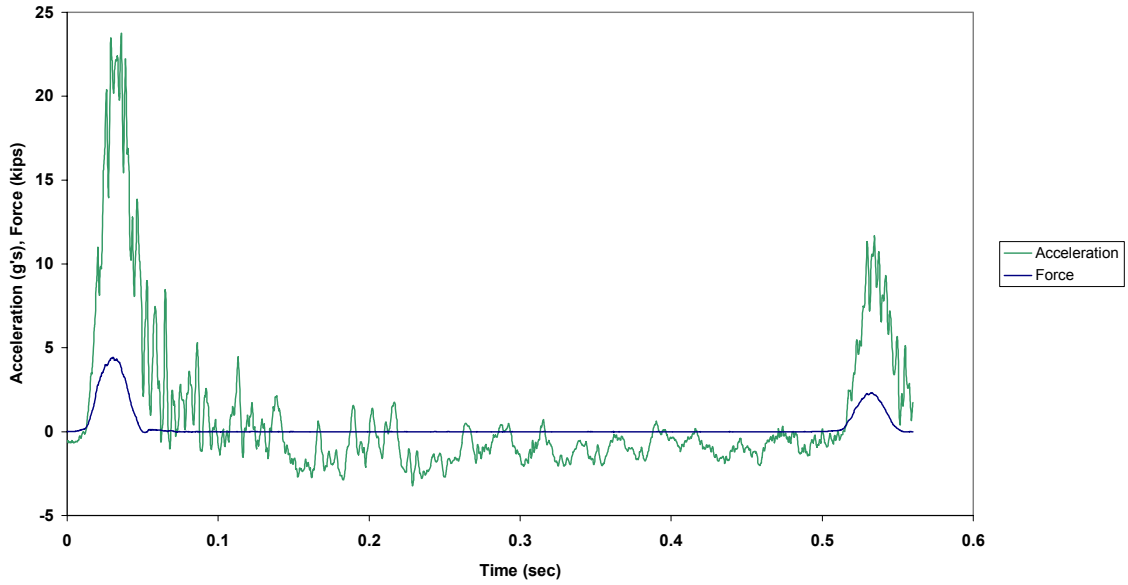


Figure B.215.1 Case 4R: Force and Acceleration vs. Time

Case 4R: New 3/8 in. Amsteel Blue (105 lb from 55 in.)

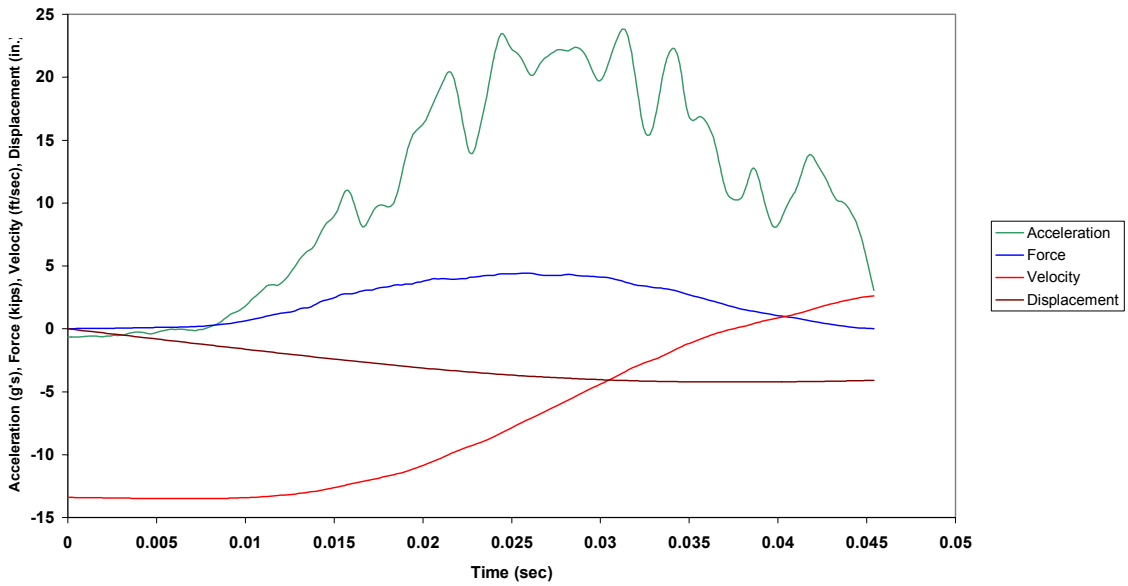


Figure B.215.2 Case 4R: Combined Plot

Case 4R: New 3/8 in. Amsteel Blue (105 lb from 55 in.)

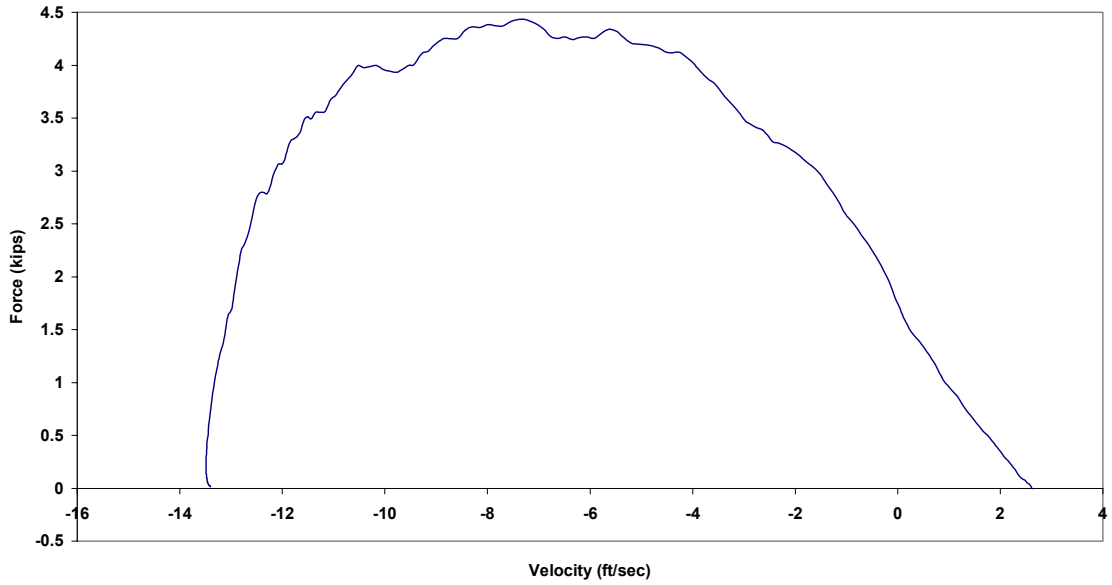


Figure B.215.3 Case 4R: Force vs. Velocity

Case 4R: New 3/8 in. Amsteel Blue (105 lb from 55 in.)

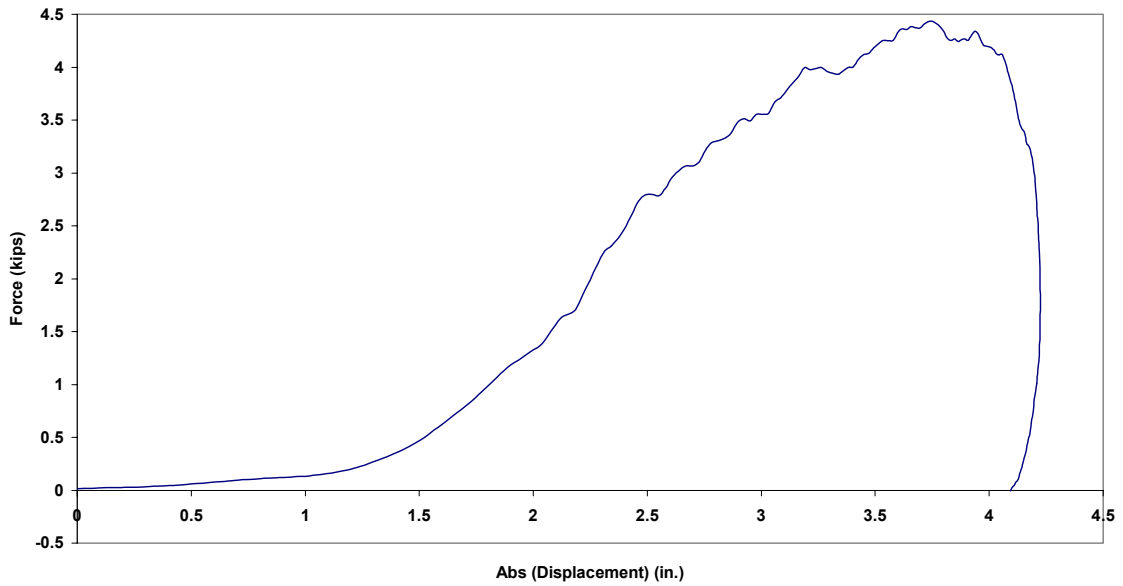


Figure B.215.4 Case 4R: Force vs. Absolute Displacement

Case 5R: New 3/8 in. Amsteel Blue (125 lb from 55 in.)

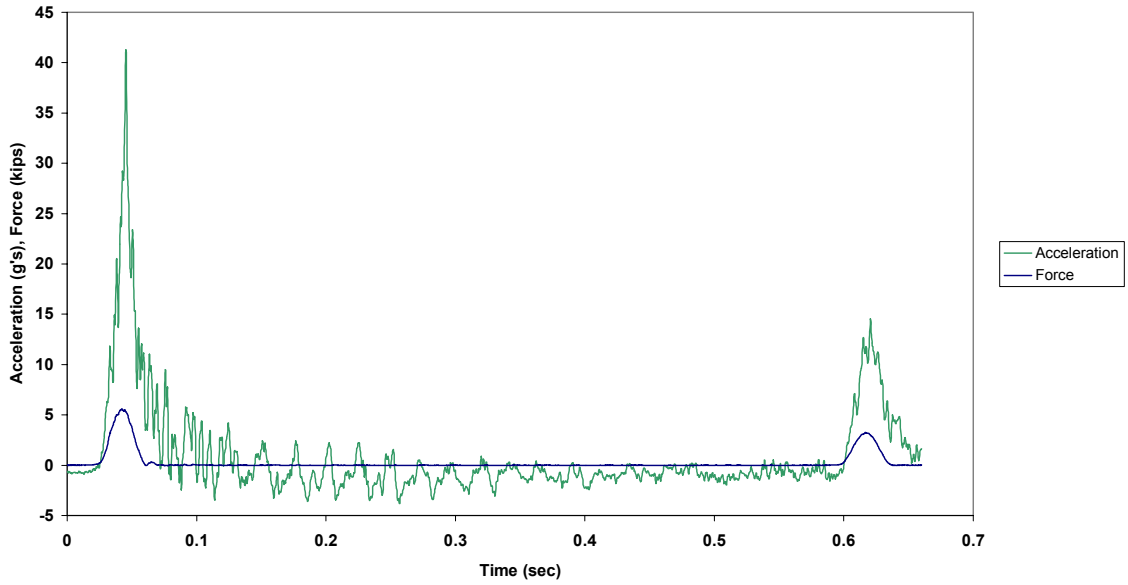


Figure B.216.1 Case 5R: Force and Acceleration vs. Time

Case 5R: New 3/8 in. Amsteel Blue (125 lb from 55 in.)

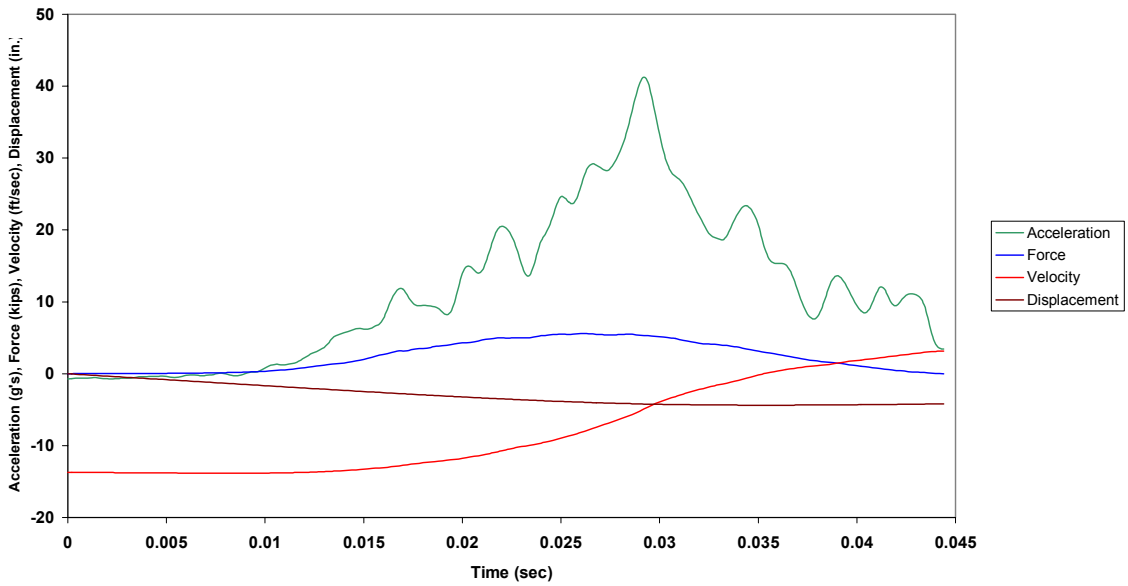


Figure B.216.2 Case 5R: Combined Plot

Case 5R: New 3/8 in. Amsteel Blue (125 lb from 55 in.)

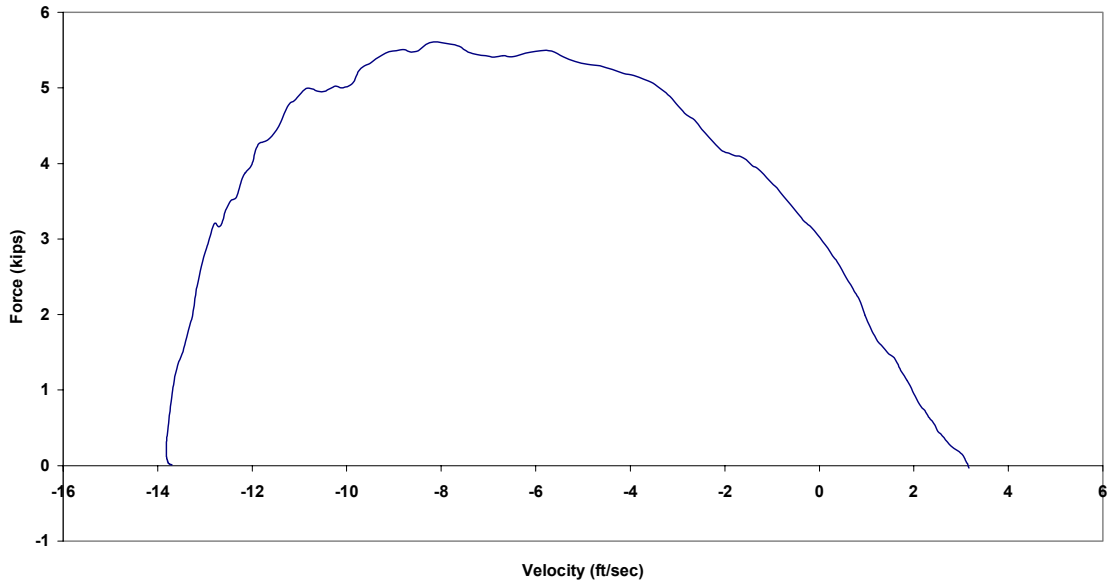


Figure B.216.3 Case 5R: Force vs. Velocity

Case 5R: New 3/8 in. Amsteel Blue (125 lb from 55 in.)

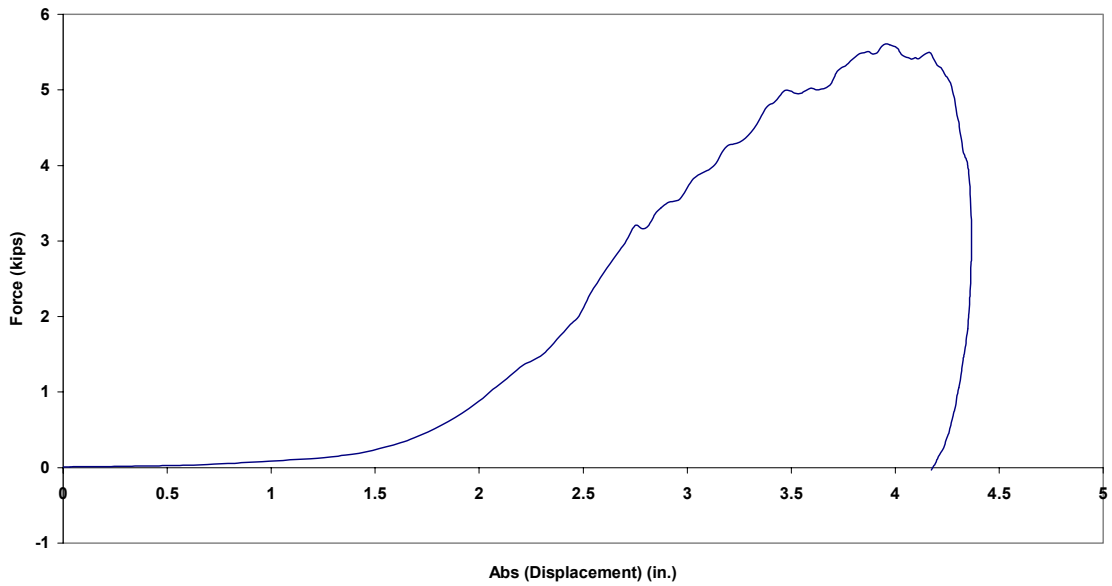


Figure B.216.4 Case 5R: Force vs. Absolute Displacement

<b>3/4-inch RP Polyester (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1S	1	54	45
Test 2S	2	54	45
Test 3S	3	54	45
Test Sequence Two			
Test 4S	4	54	45
Test 5S	5	60	45

Table B.6.1 Test Sequence for 3/4 in. RP Polyester (Precycled)

<b>3/4-inch RP Polyester (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1T	1	53	45
Test 2T	2	59	45
Test 3T	3	65	45
Test 4T	4	71	45
Test 5T	5	77	45

Table B.6.2 Test Sequence for 3/4 in. RP Polyester (New)

Case 1S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

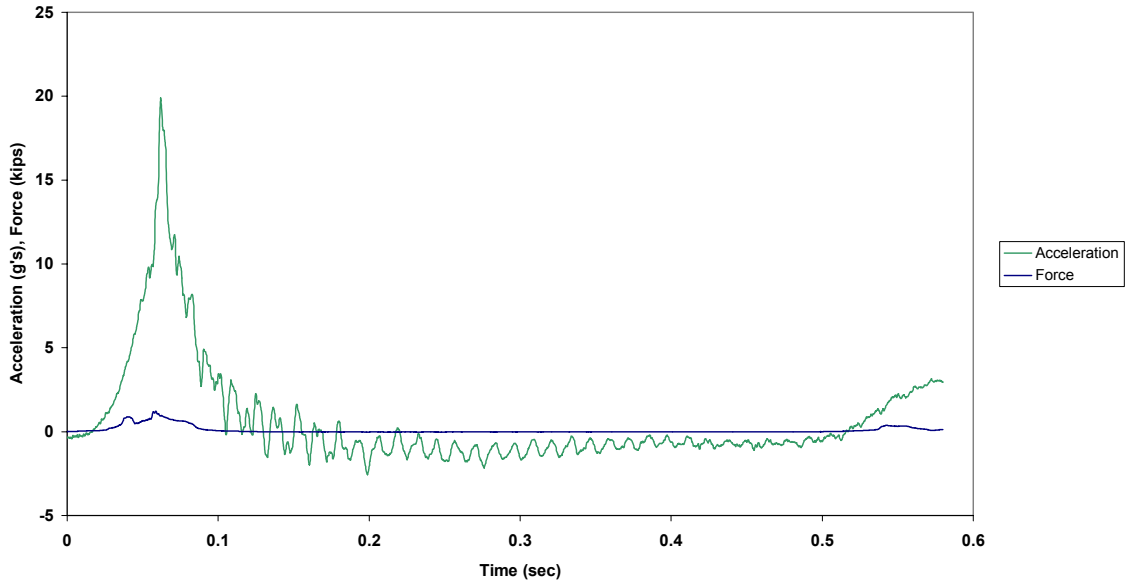


Figure B.217.1 Case 1S: Force and Acceleration vs. Time

Case 1S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

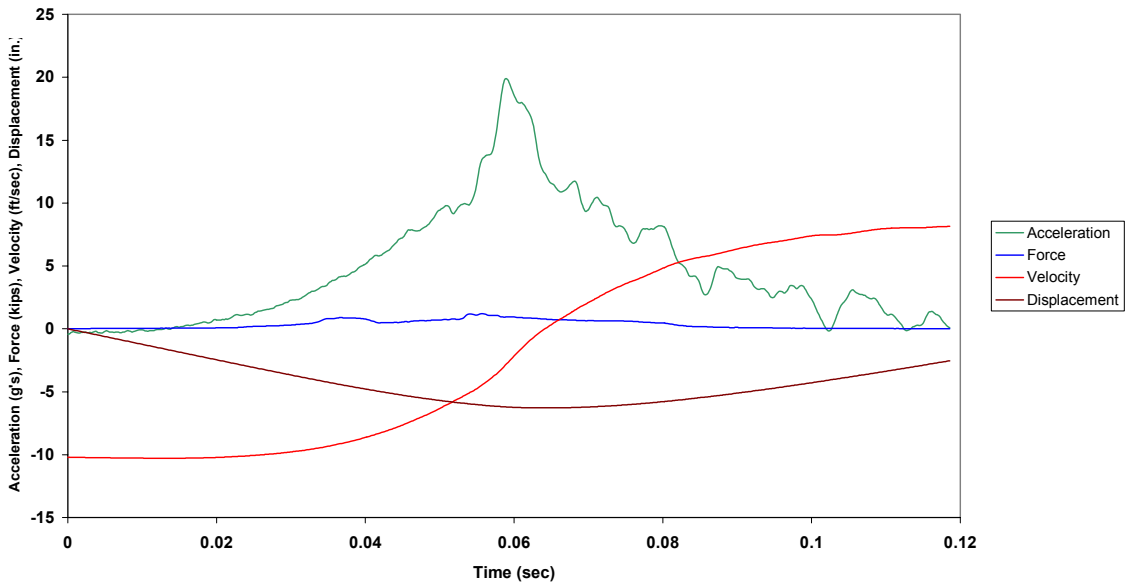


Figure B.217.2 Case 1S: Combined Plot

Case 1S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

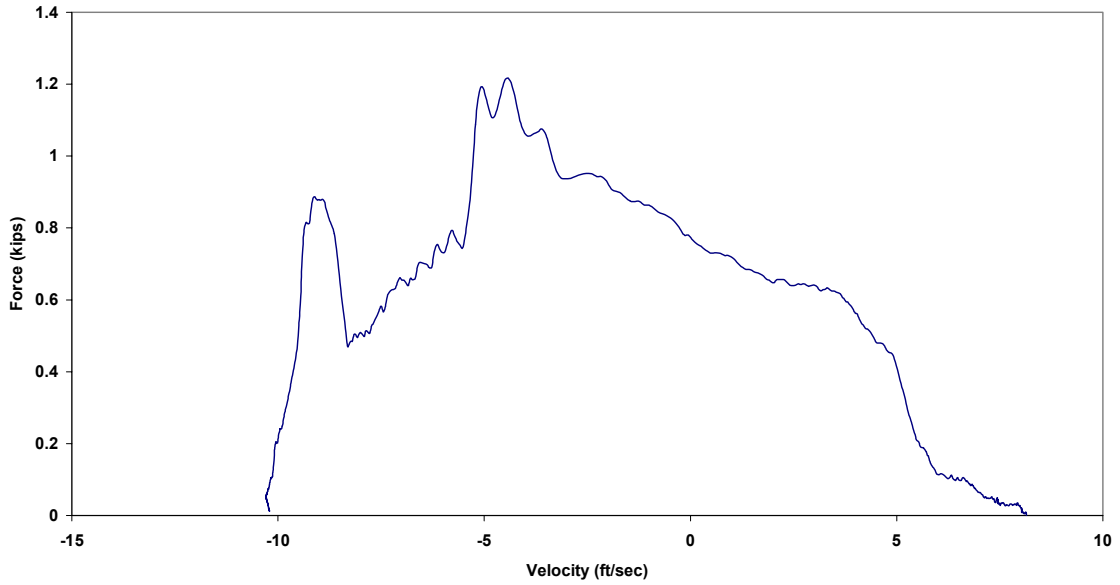


Figure B.217.3 Case 1S: Force vs. Velocity

Case 1S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

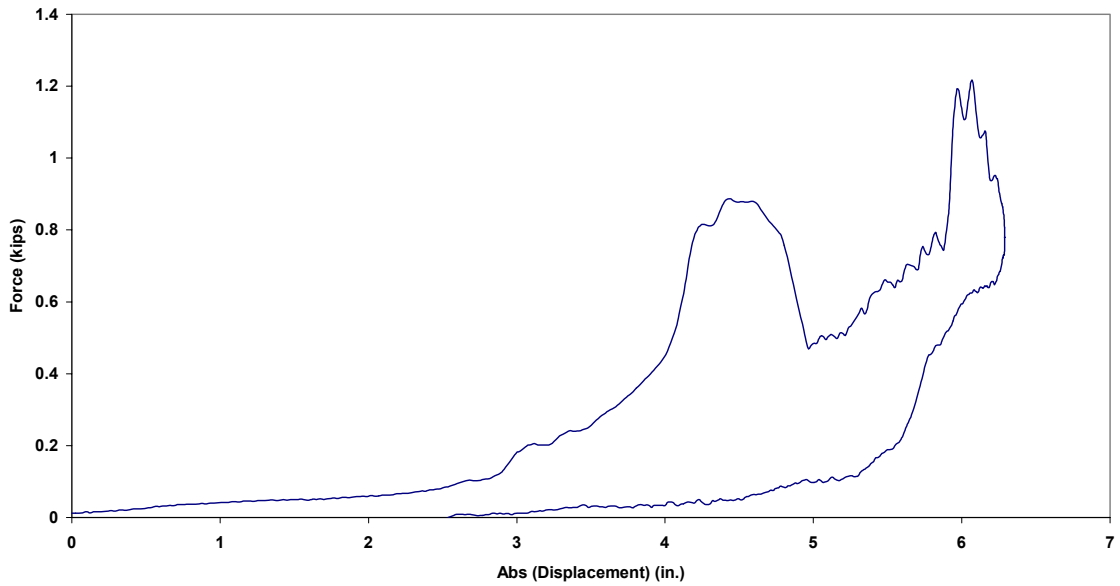


Figure B.217.4 Case 1S: Force vs. Absolute Displacement

Case 2S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

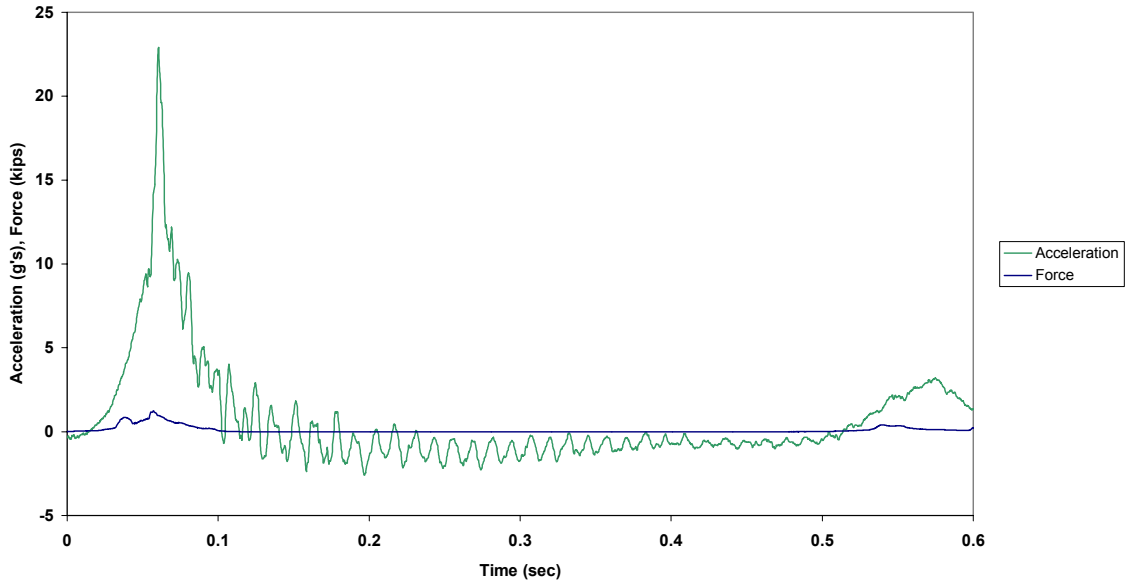


Figure B.218.1 Case 2S: Force and Acceleration vs. Time

Case 2S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

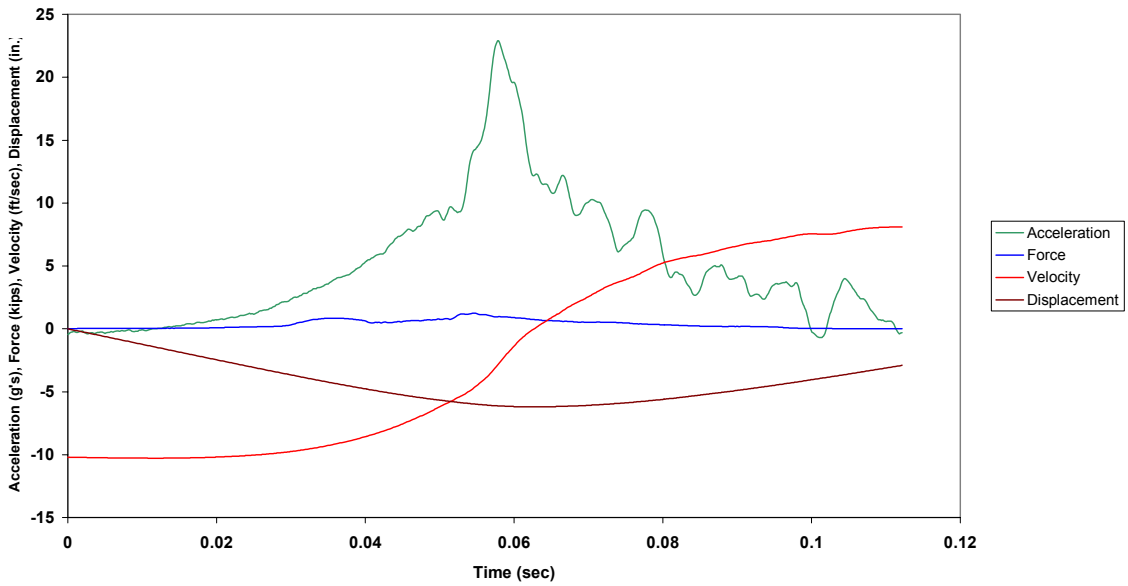


Figure B.218.2 Case 2S: Combined Plot



Case 2S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

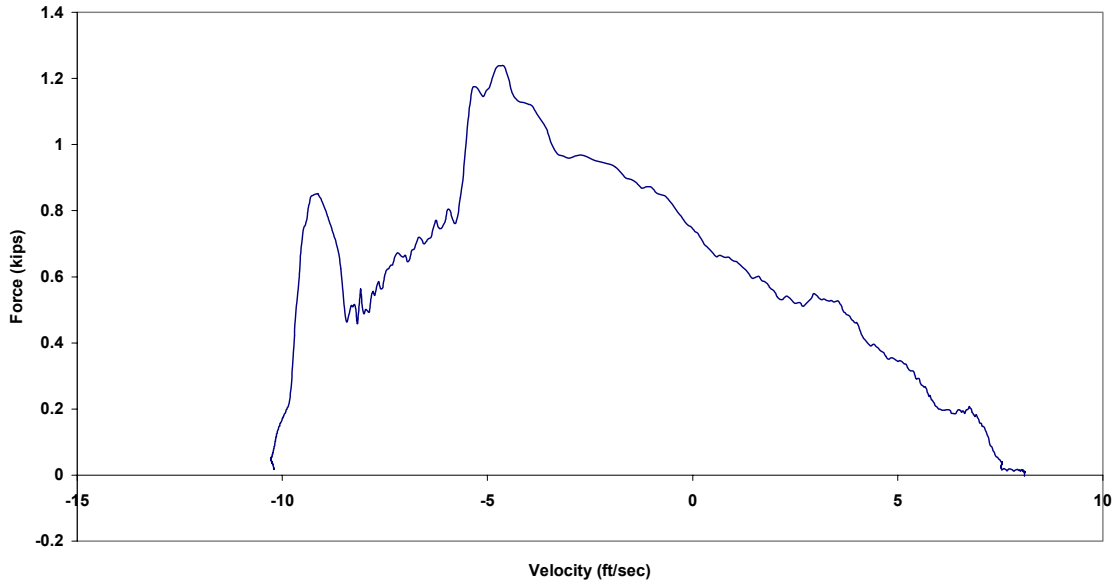


Figure B.218.3 Case 2S: Force vs. Velocity

Case 2S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

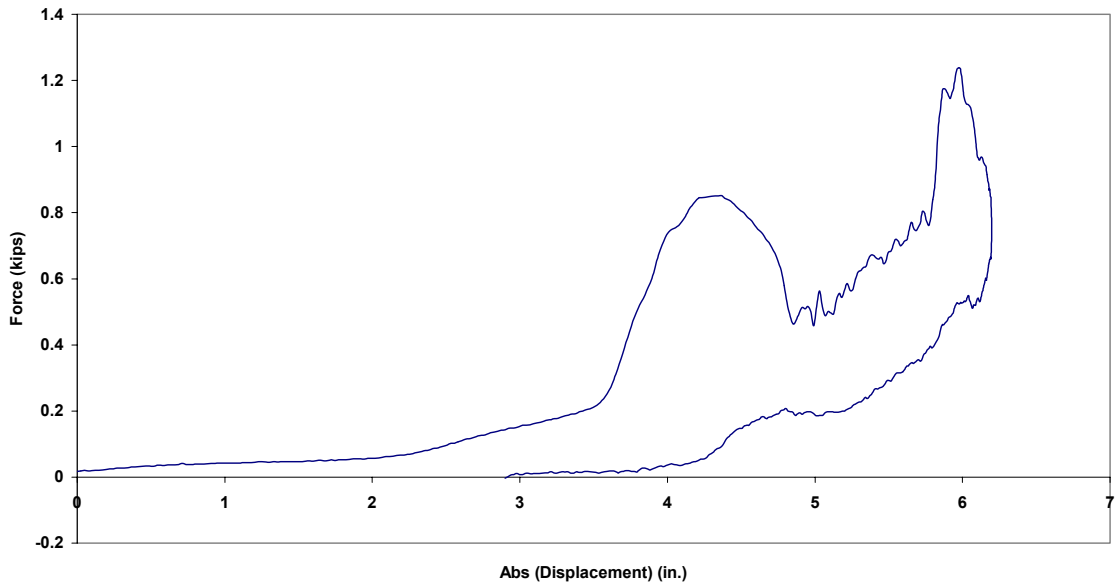


Figure B.218.4 Case 2S: Force vs. Absolute Displacement

Case 3S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

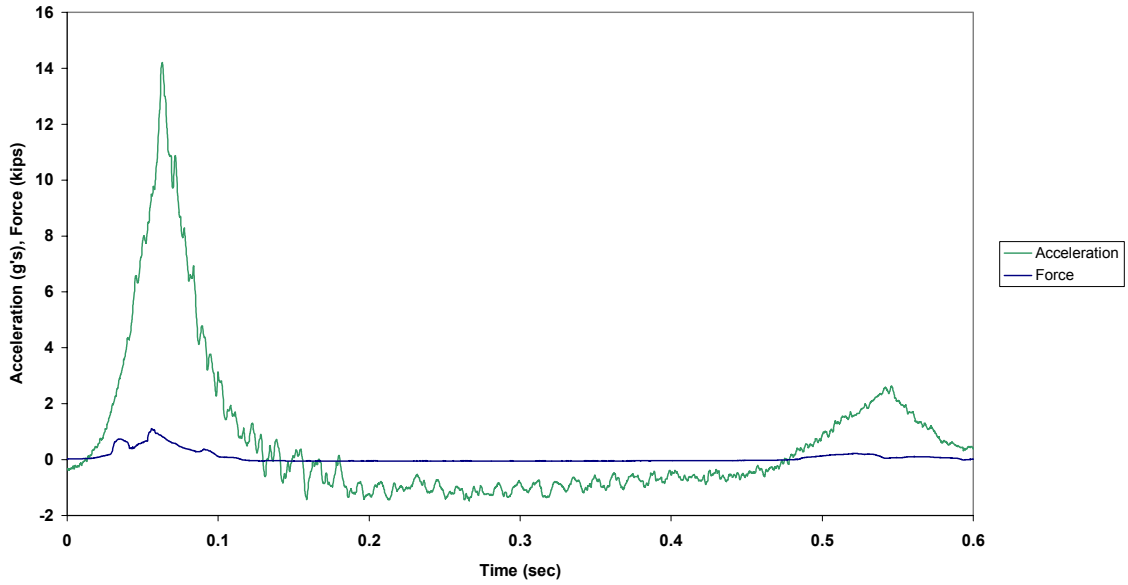


Figure B.219.1 Case 3S: Force and Acceleration vs. Time

Case 3S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

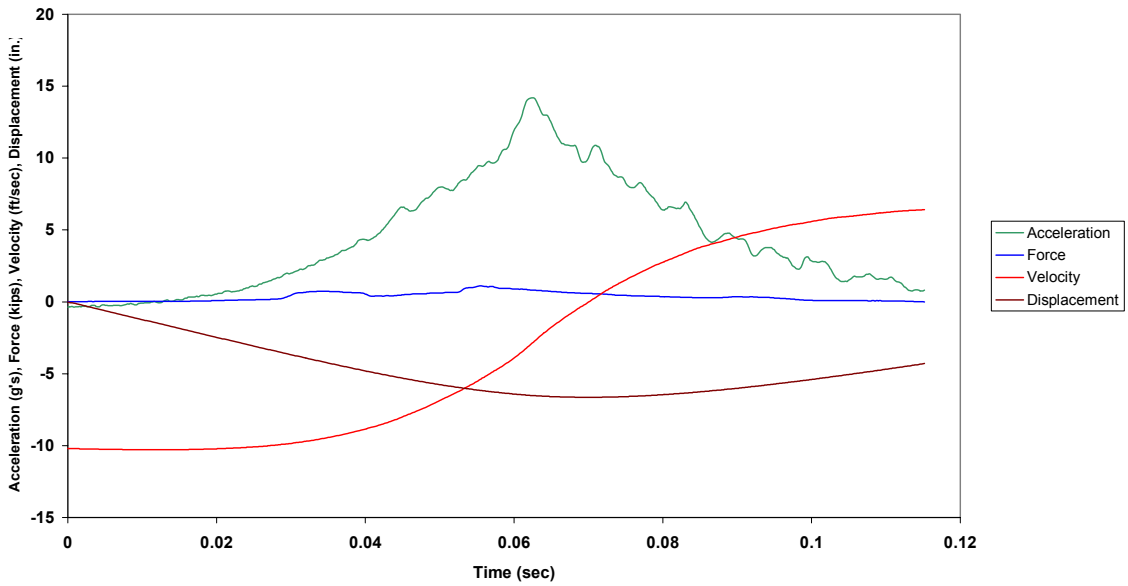


Figure B.219.2 Case 3S: Combined Plot

Case 3S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

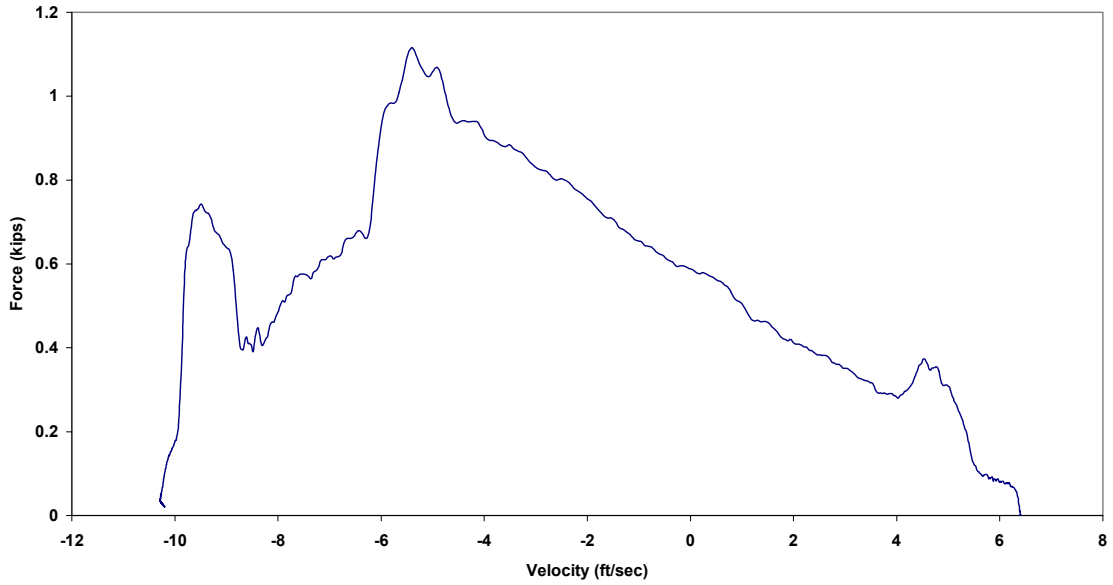


Figure B.219.3 Case 3S: Force vs. Velocity

Case 3S: Precycled 3/8 in. RP Polyester (45 lb from 54 in.)

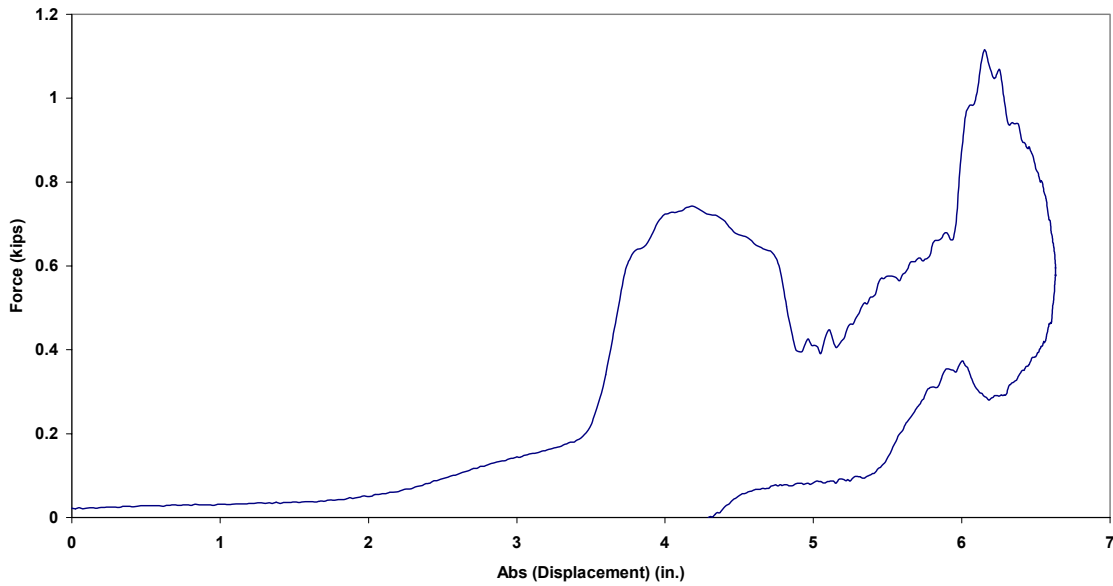


Figure B.219.4 Case 3S: Force vs. Absolute Displacement

Case 4S: Precycled 3/4 in. RP Polyester (45 lb from 54 in.)

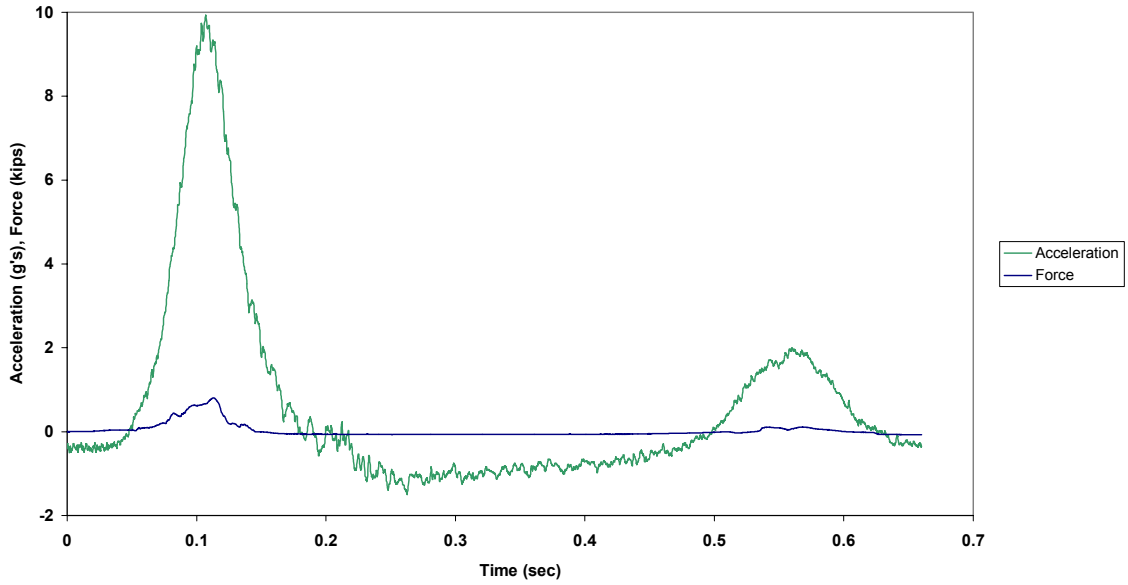


Figure B.220.1 Case 4S: Force and Acceleration vs. Time

Case 4S: Precycled 3/4 in. RP Polyester (45 lb from 54 in.)

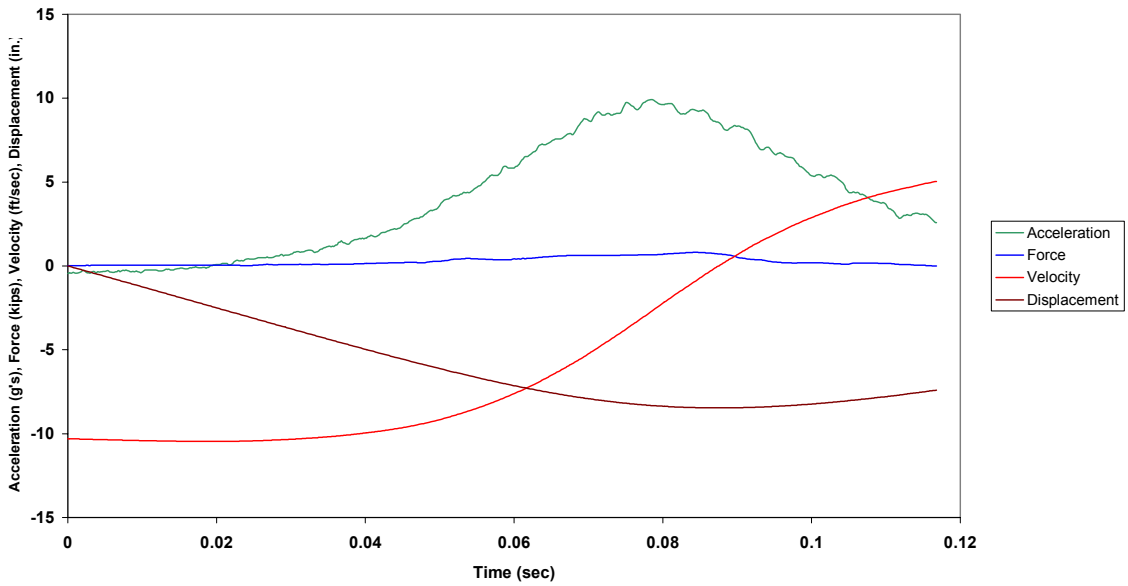


Figure B.220.2 Case 4S: Combined Plot

Case 4S: Precycled 3/4 in. RP Polyester (45 lb from 54 in.)

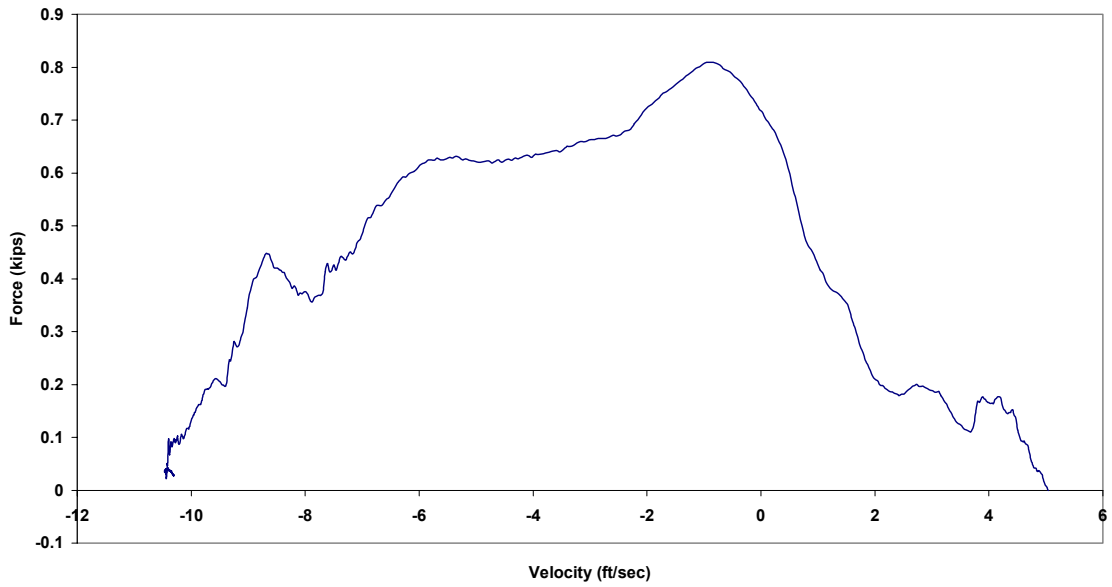


Figure B.220.3 Case 4S: Force vs. Velocity

Case 4S: Precycled 3/4 in. RP Polyester (45 lb from 54 in.)

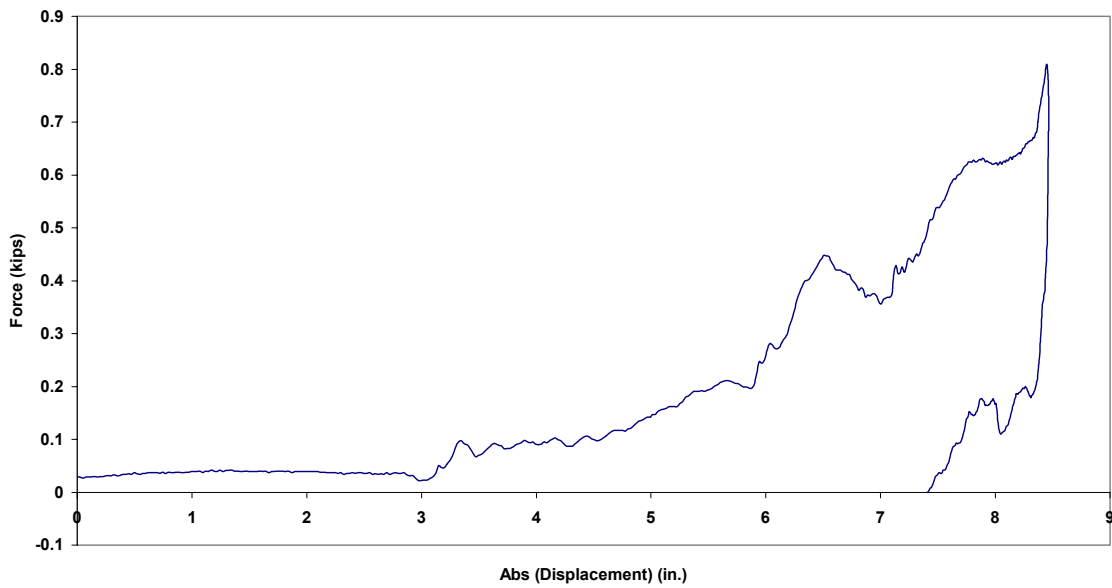


Figure B.220.4 Case 4S: Force vs. Absolute Displacement

Case 5S: Precycled 3/4 in. RP Polyester (45 lb from 60 in.)

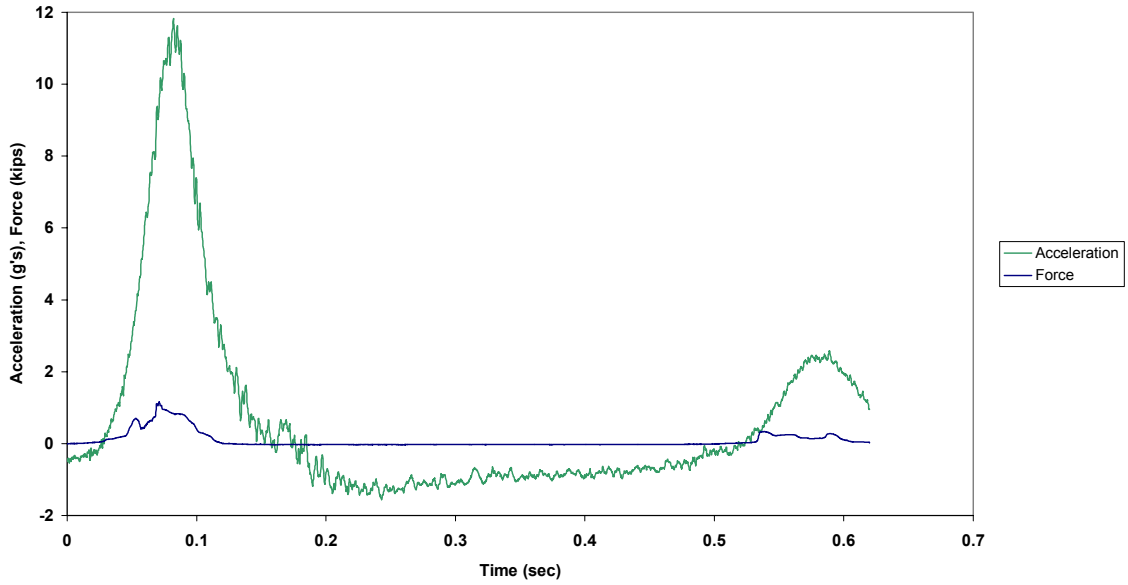


Figure B.221.1 Case 5S: Force and Acceleration vs. Time

Case 5S: Precycled 3/4 in. RP Polyester (45 lb from 60 in.)

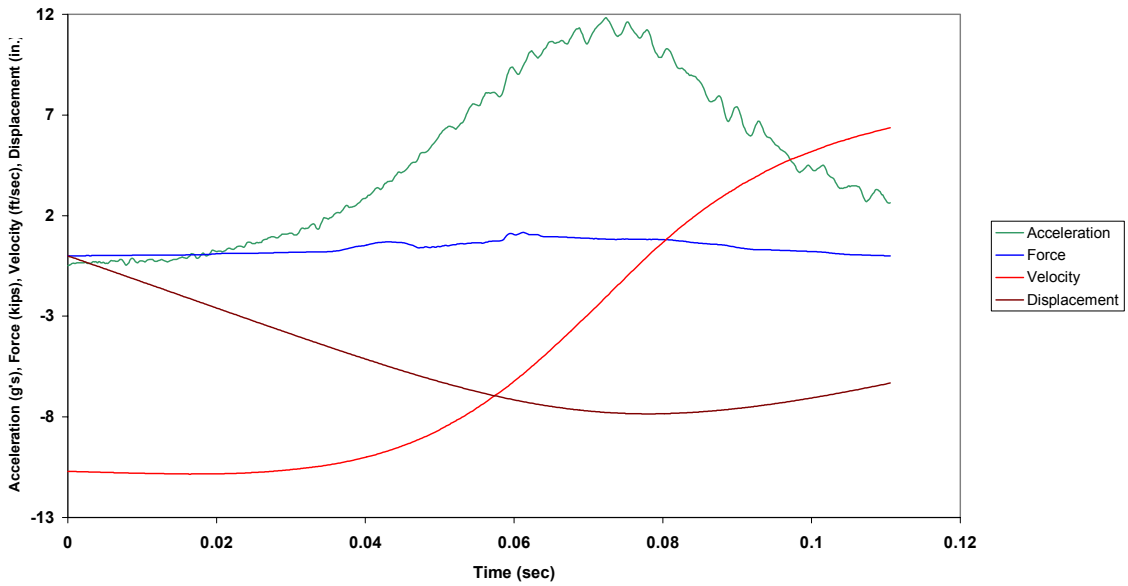


Figure B.221.2 Case 5S: Combined Plot

Case 5S: Precycled 3/4 in. RP Polyester (45 lb from 60 in.)

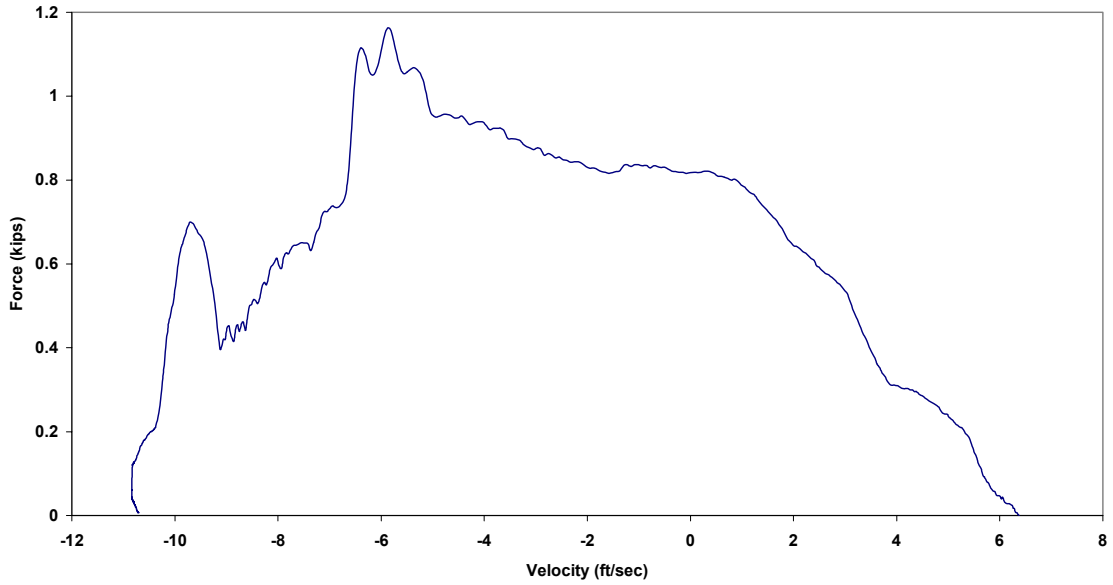


Figure B.221.3 Case 5S: Force vs. Velocity

Case 5S: Precycled 3/4 in. RP Polyester (45 lb from 60 in.)

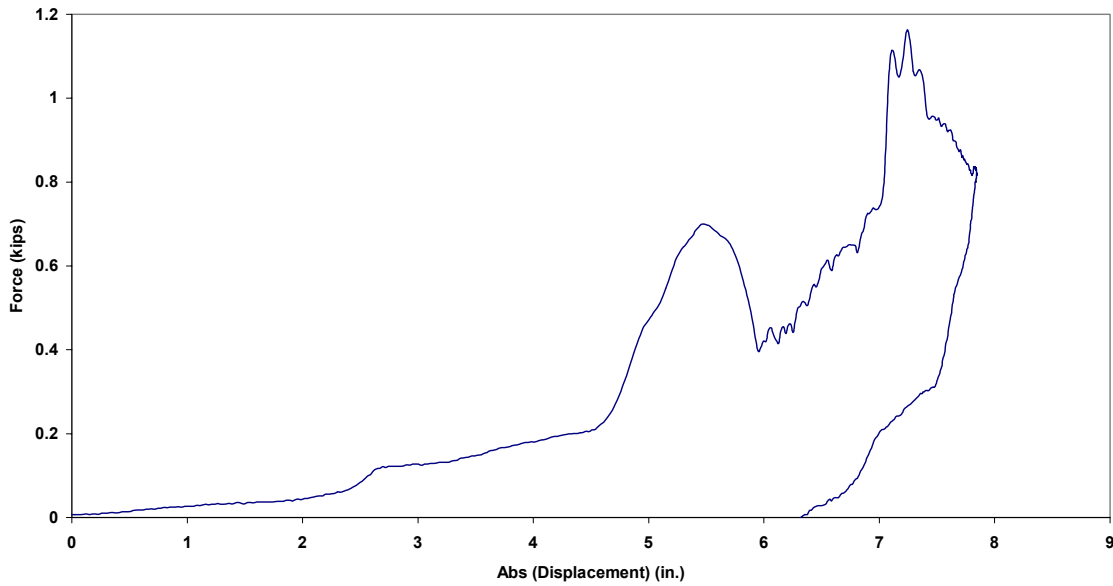


Figure B.221.4 Case 5S: Force vs. Absolute Displacement

Case 1T: New 3/4 in. RP Polyester (45 lb From 53 in.)

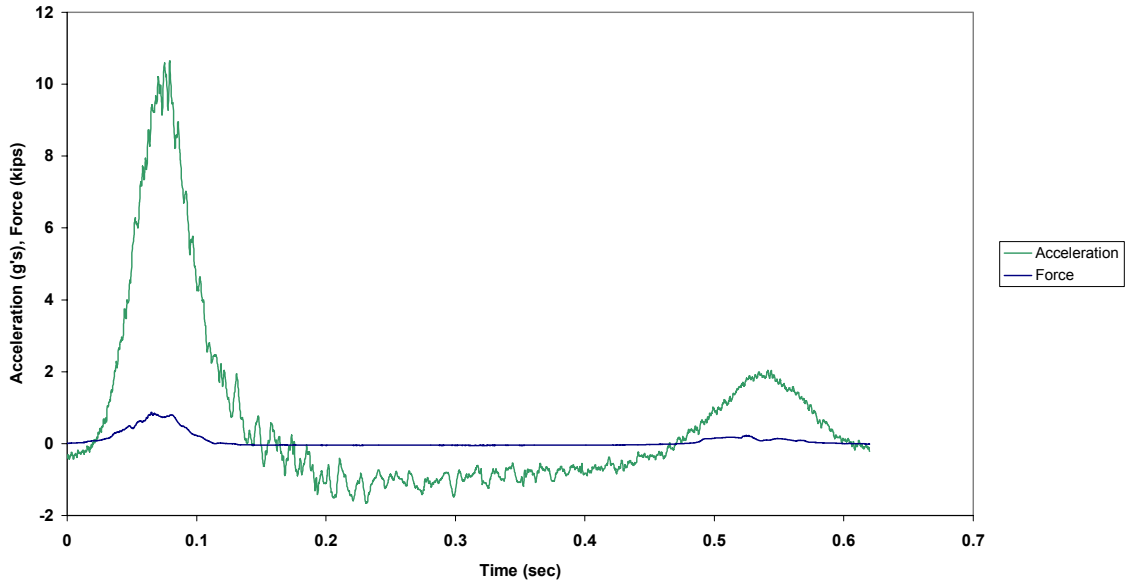


Figure B.222.1 Case 1T: Force and Acceleration vs. Time

Case 1T: New 3/4 in. RP Polyester (45 lb From 53 in.)

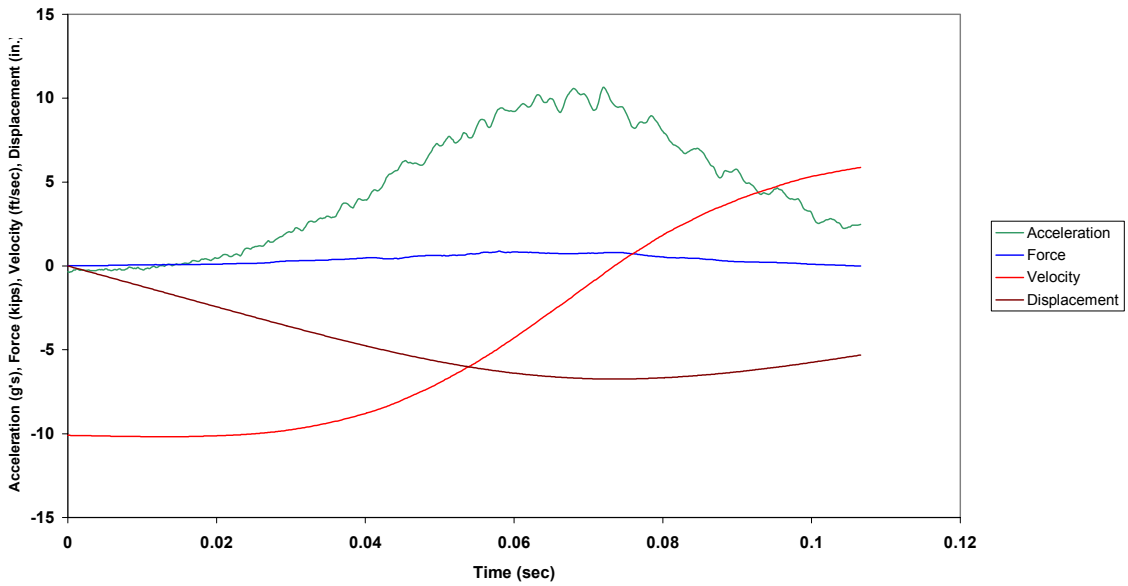


Figure B.222.2 Case 1T: Combined Plot



Case 1T: New 3/4 in. RP Polyester (45 lb from 53 in.)

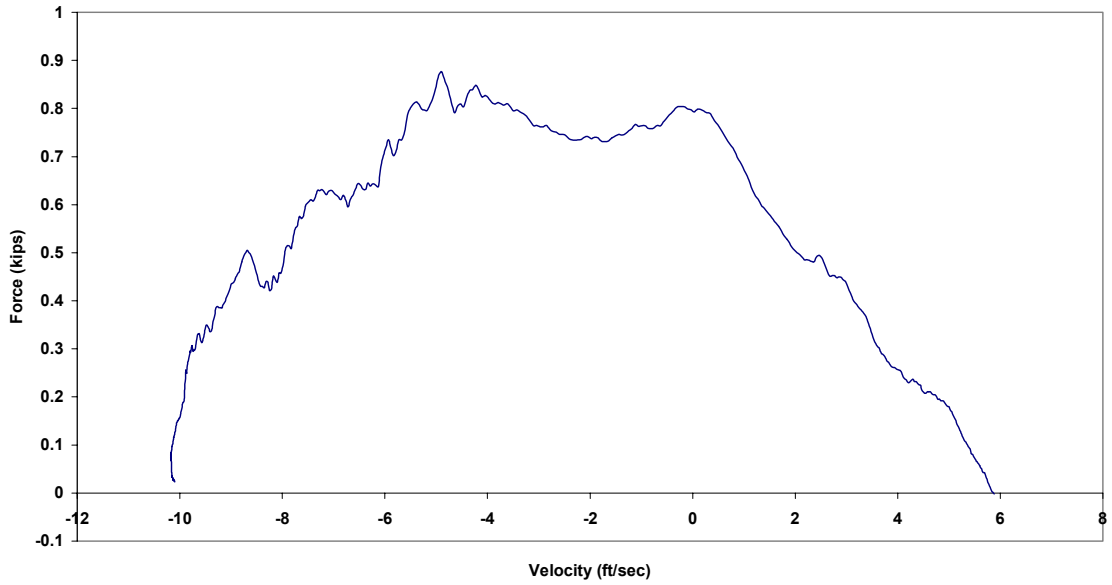


Figure B.222.3 Case 1T: Force vs. Velocity

Case 1T: New 3/4 in. RP Polyester (45 lb from 53 in.)

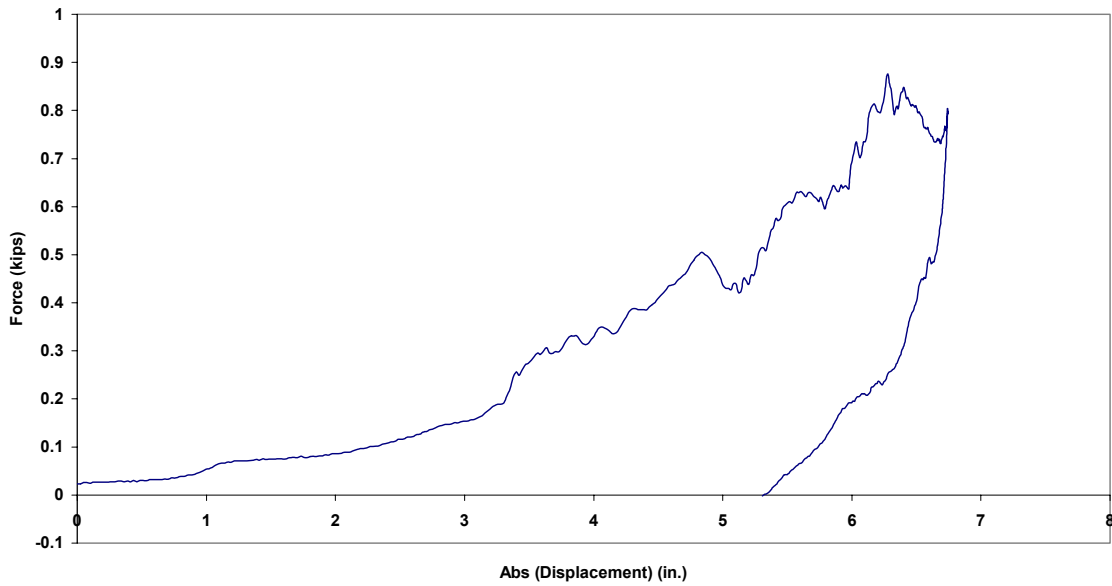


Figure B.222.4 Case 1T: Force vs. Absolute Displacement

Case 2T: New 3/4 in. RP Polyester (45 lb from 59 in.)

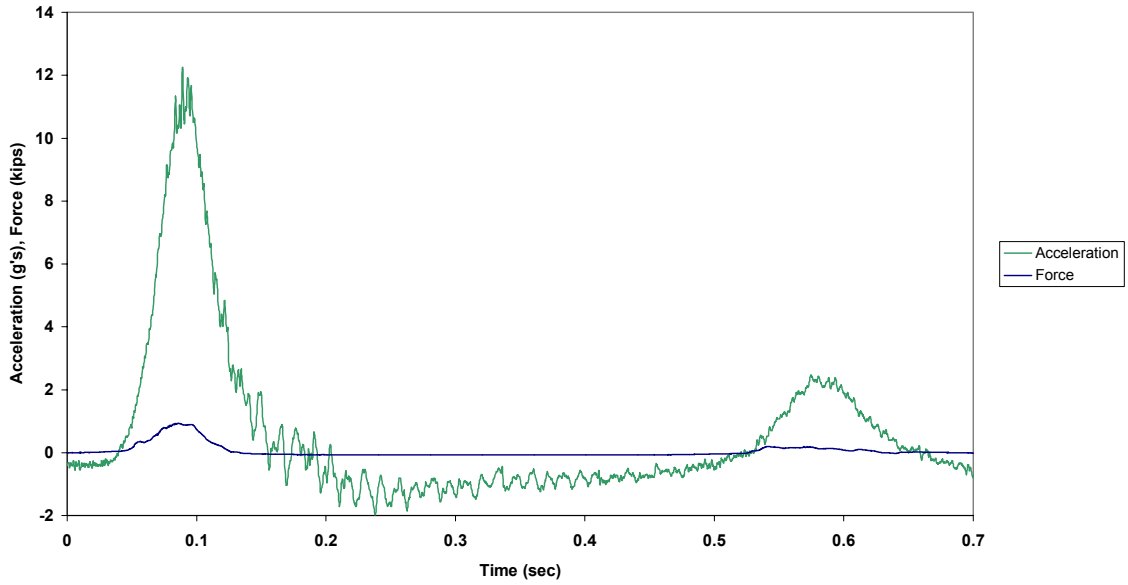


Figure B.223.1 Case 2T: Force and Acceleration vs. Time

Case 2T: New 3/4 in. RP Polyester (45 lb from 59 in.)

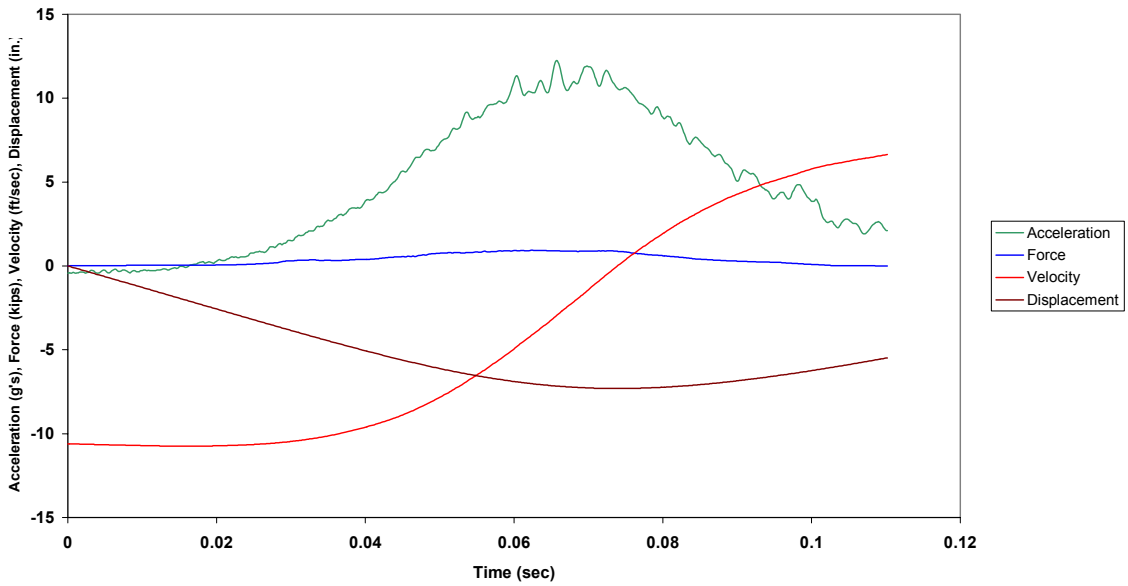


Figure B.223.2 Case 2T: Combined Plot

Case 2T: New 3/4 in. RP Polyester (45 lb from 59 in.)

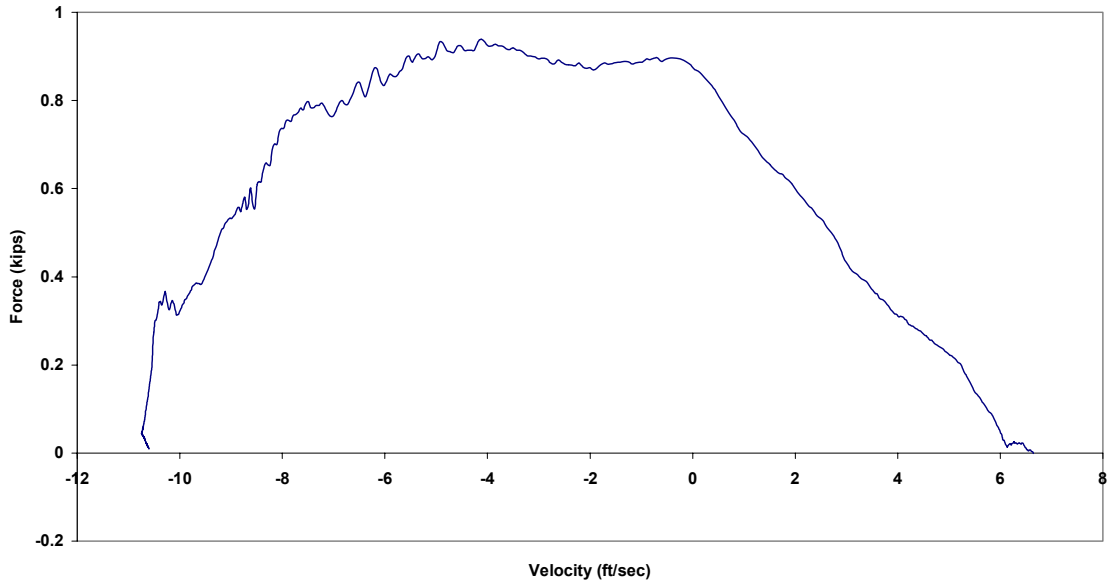


Figure B.223.3 Case 2T: Force vs. Velocity

Case 2T: New 3/4 in. RP Polyester (45 lb from 59 in.)

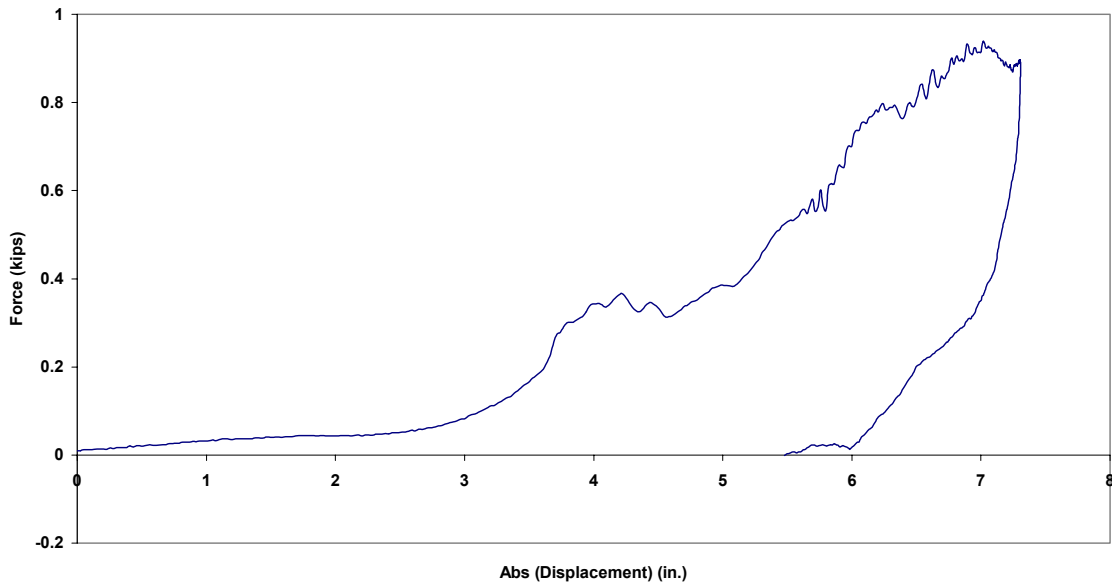


Figure B.223.4 Case 2T: Force vs. Absolute Displacement

Case 3T: New 3/4 in. RP Polyester (45 lb from 65 in.)

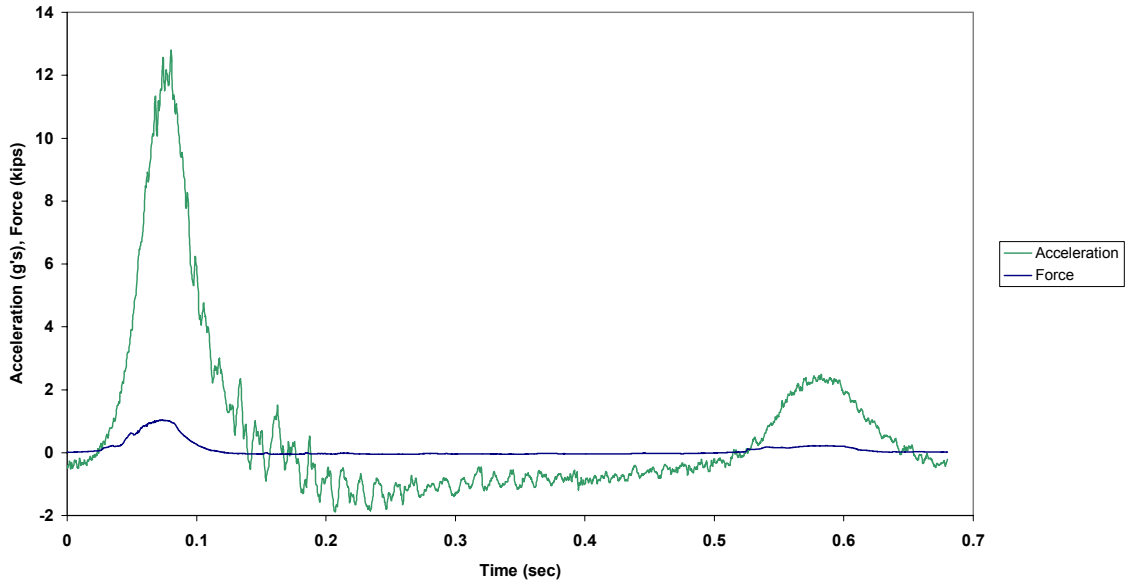


Figure B.224.1 Case 3T: Force and Acceleration vs. Time

Case 3T: New 3/4 in. RP Polyester (45 lb from 65 in.)

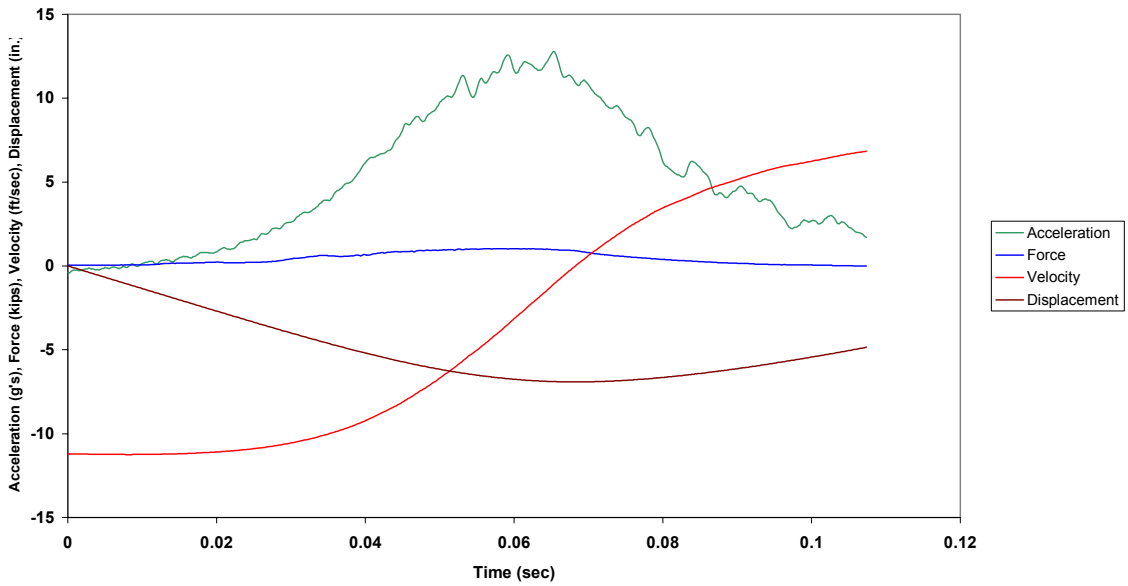


Figure B.224.2 Case 3T: Combined Plot

Case 3T: New 3/4 in. RP Polyester (45 lb from 65 in.)

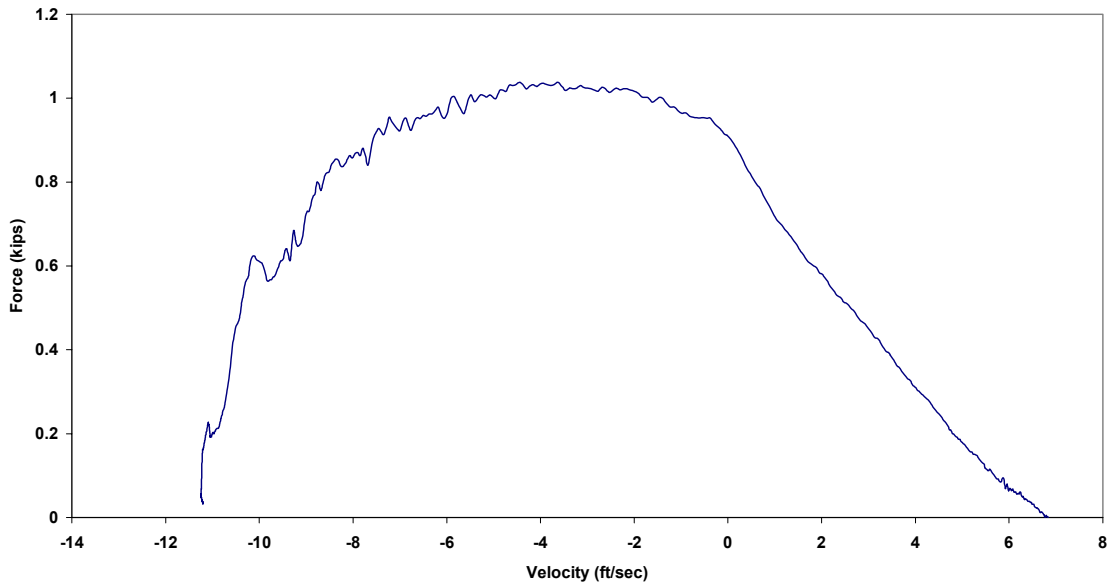


Figure B.224.3 Case 3T: Force vs. Velocity

Case 3T: New 3/4 in. RP Polyester (45 lb from 65 in.)

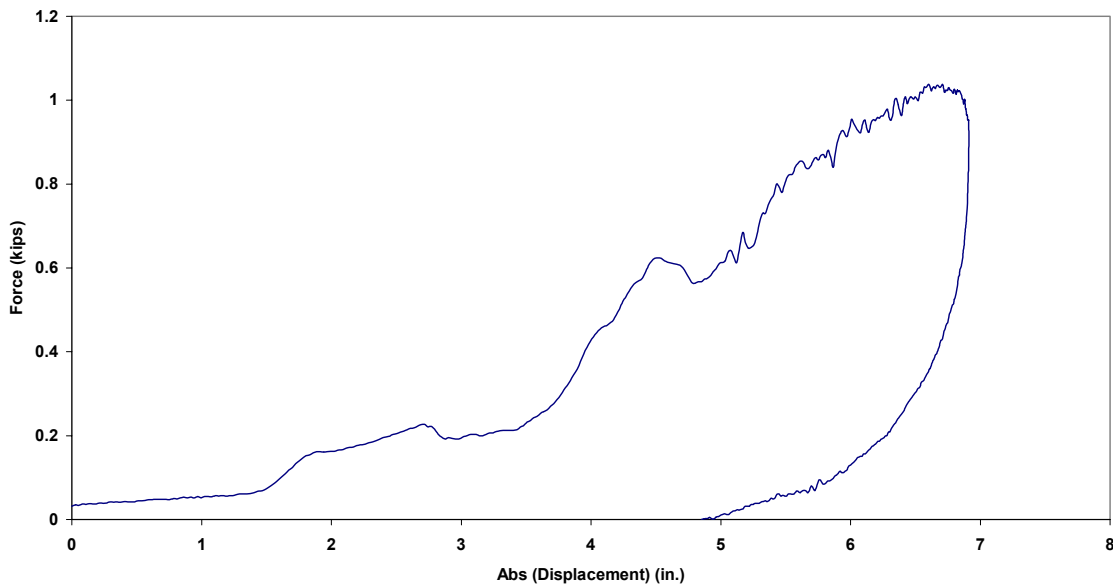


Figure B.224.4 Case 3T: Force vs. Absolute Displacement

Case 4T: New 3/4 in. RP Polyester (45 lb from 71 in.)

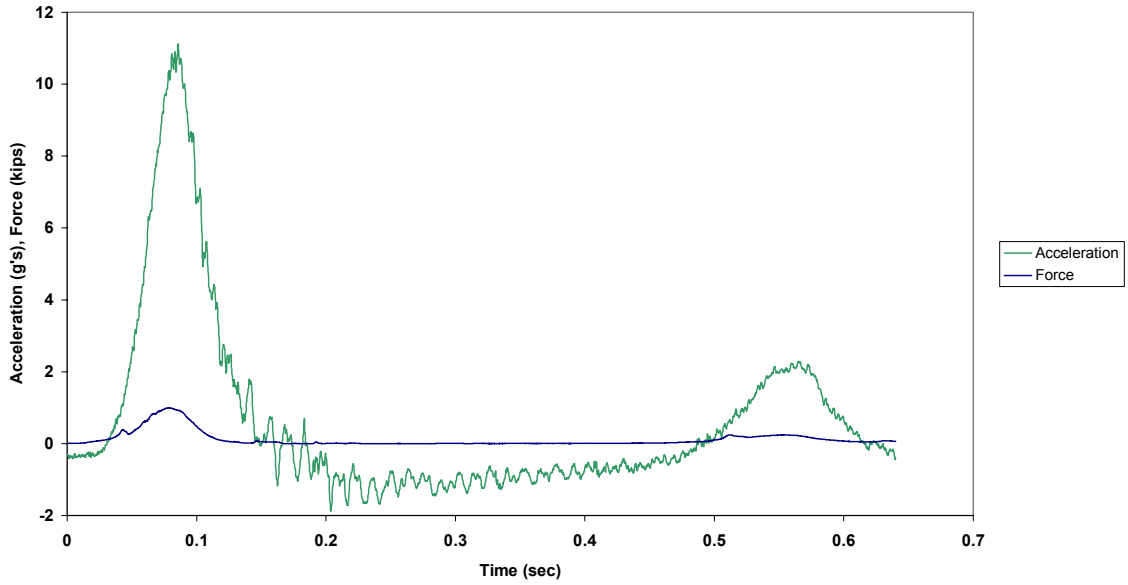


Figure B.225.1 Case 4T: Force and Acceleration vs. Time

Case 4T: New 3/4 in. RP Polyester (45 lb from 71 in.)

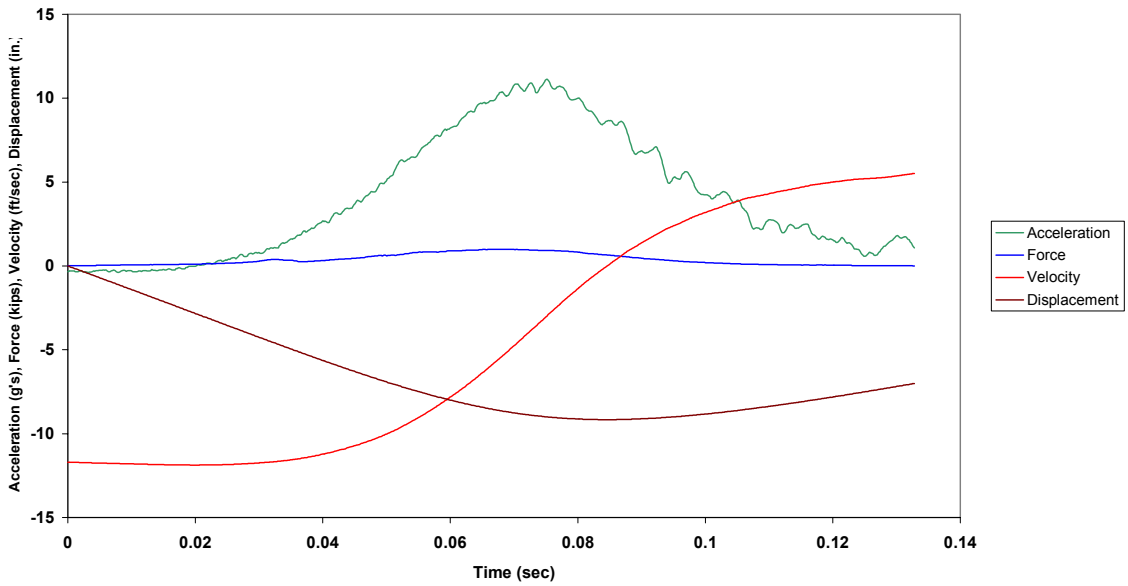


Figure B.225.2 Case 4T: Combined Plot

Case 4T: New 3/4 in. RP Polyester (45 lb from 71 in.)

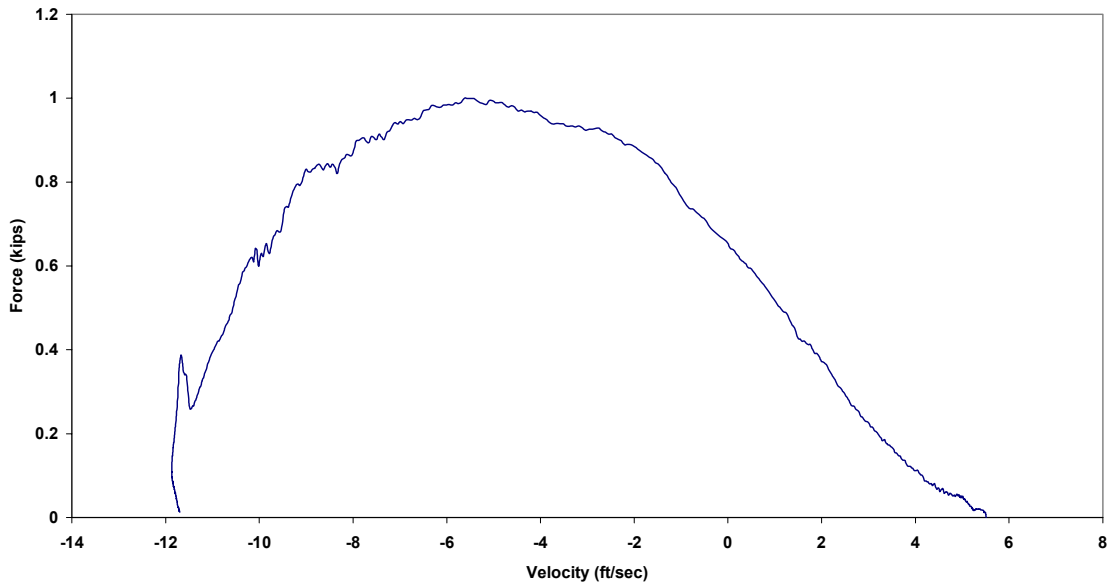


Figure B.225.3 Case 4T: Force vs. Velocity

Case 4T: New 3/4 in. RP Polyester (45 lb from 71 in.)

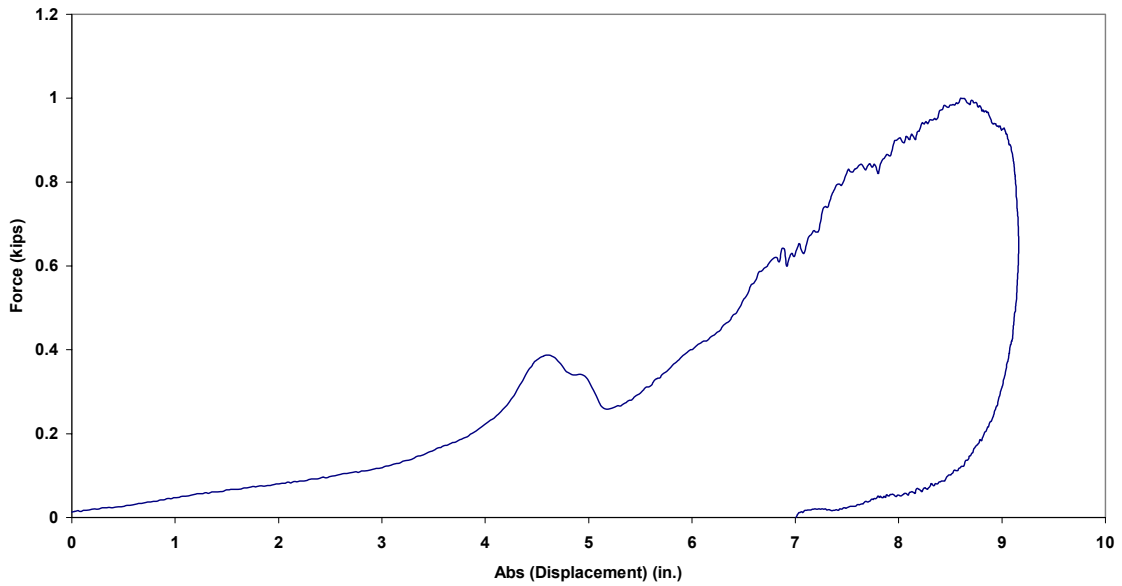


Figure B.225.4 Case 4T: Force vs. Absolute Displacement

Case 5T: New 3/4 in. RP Polyester (45 lb from 77 in.)

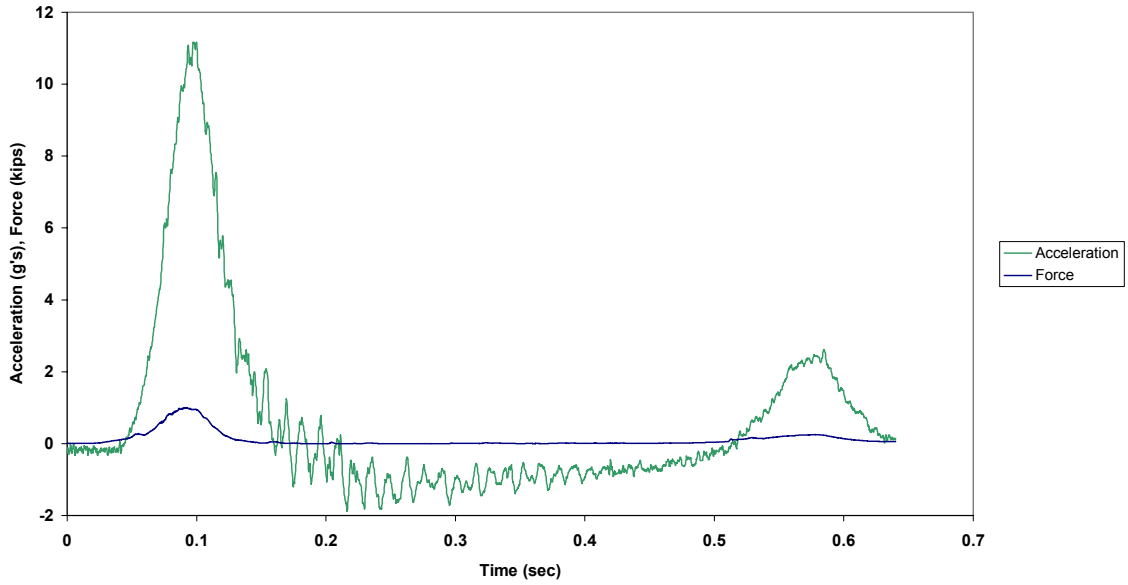


Figure B.226.1 Case 5T: Force and Acceleration vs. Time

Case 5T: New 3/4 in. RP Polyester (45 lb from 77 in.)

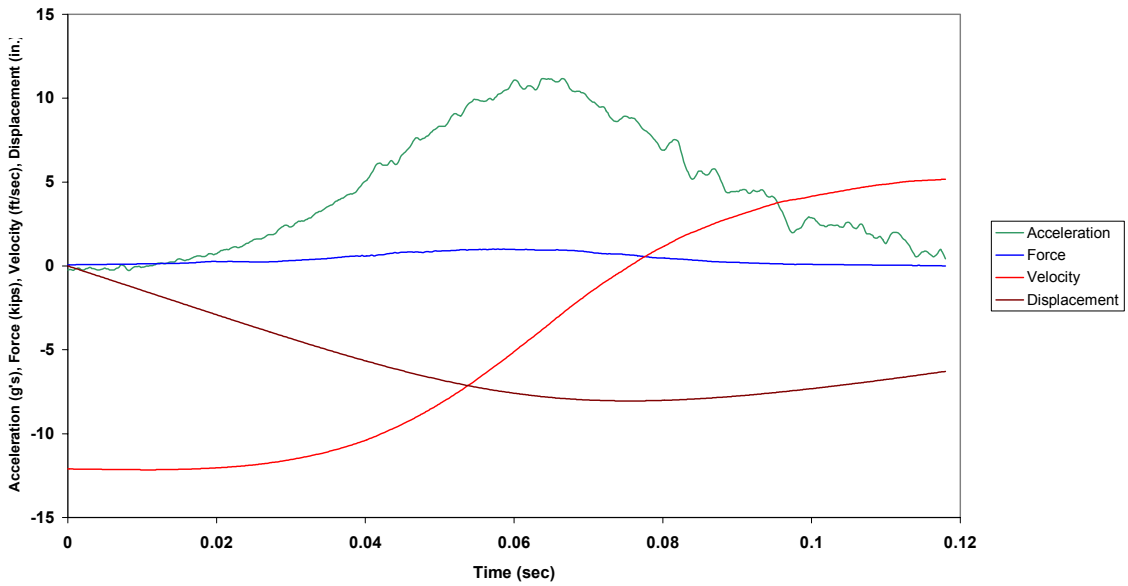


Figure B.226.2 Case 5T: Combined Plot



Case 5T: New 3/4 in. RP Polyester (45 lb from 77 in.)

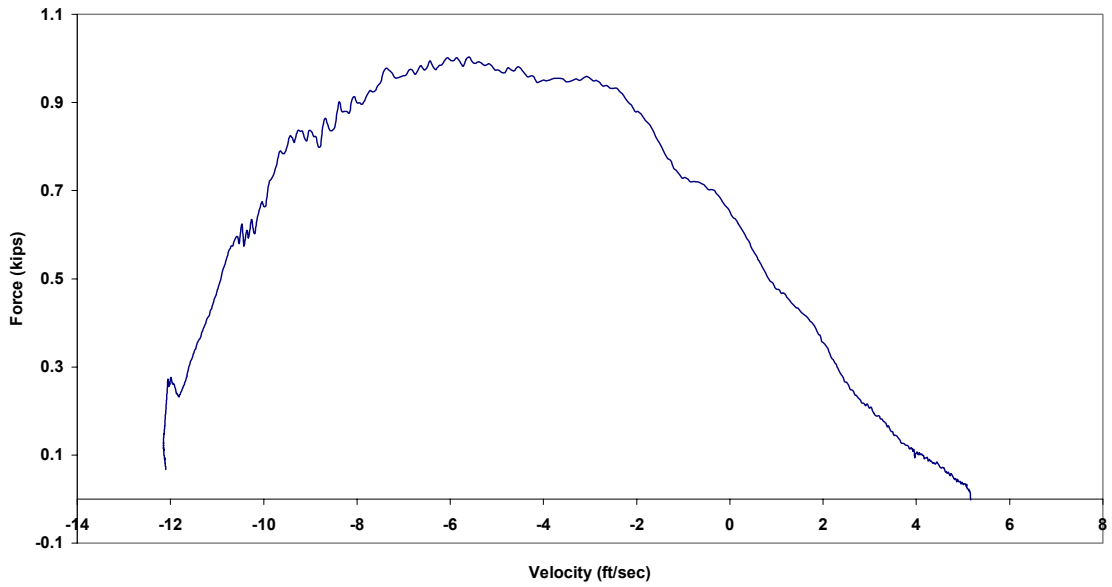


Figure B.226.3 Case 5T: Force vs. Velocity

Case 5T: New 3/4 in. RP Polyester (45 lb from 77 in.)

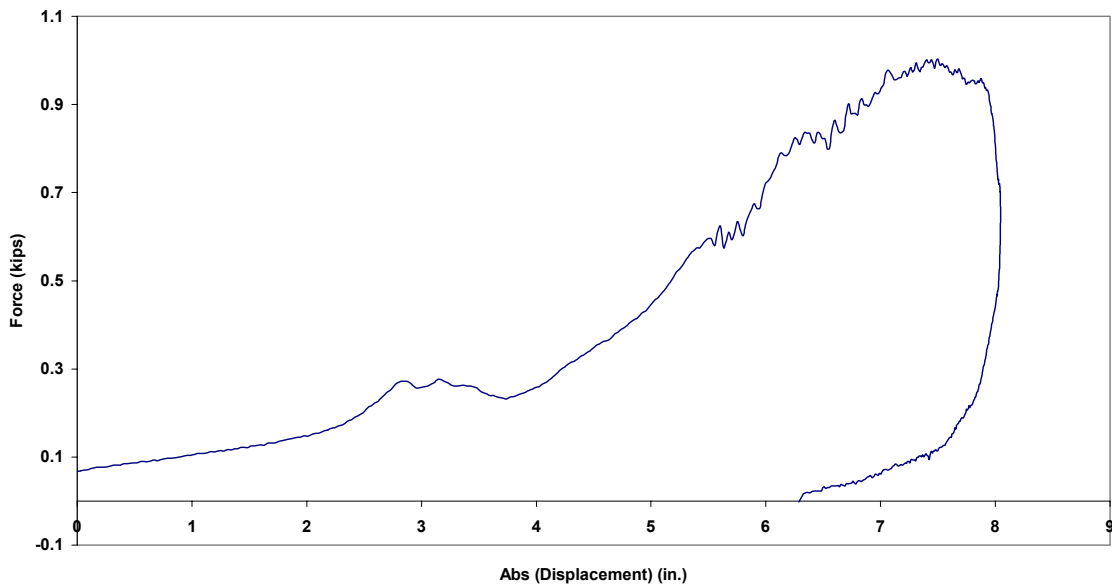


Figure B.226.4 Case 5T: Force vs. Absolute Displacement

<b>3/8-inch Dura Plex (7 foot)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1U	1	78	65
Test 2U	2	72	65
Test 3U	3	66	65
Test 4U	4	60	65
Test 5U	5	54	85
Test 6U	6	54	105
Test 7U	7	54	125

Table B.7.1 Test Sequence for 3/8 in. Dura Plex (7 foot-Precycled)

<b>3/8-inch XLS Yacht Braid (7 foot)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1V	1	48	105
Test 2V	2	48	85
Test 3V	3	48	65
Test 4V	4	48	45

Table B.8.1 Test Sequence for 3/8 in. XLS Yacht Braid (7 foot-Precycled)

Case 1U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 78 in.)

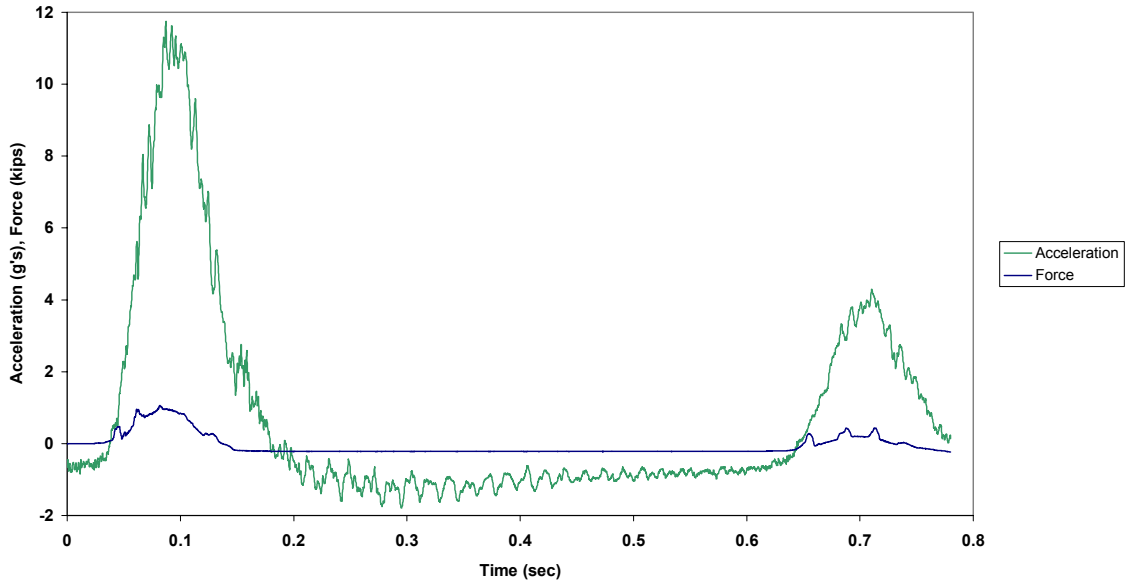


Figure B.227.1 Case 1U: Force and Acceleration vs. Time

Case 1U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 78 in.)

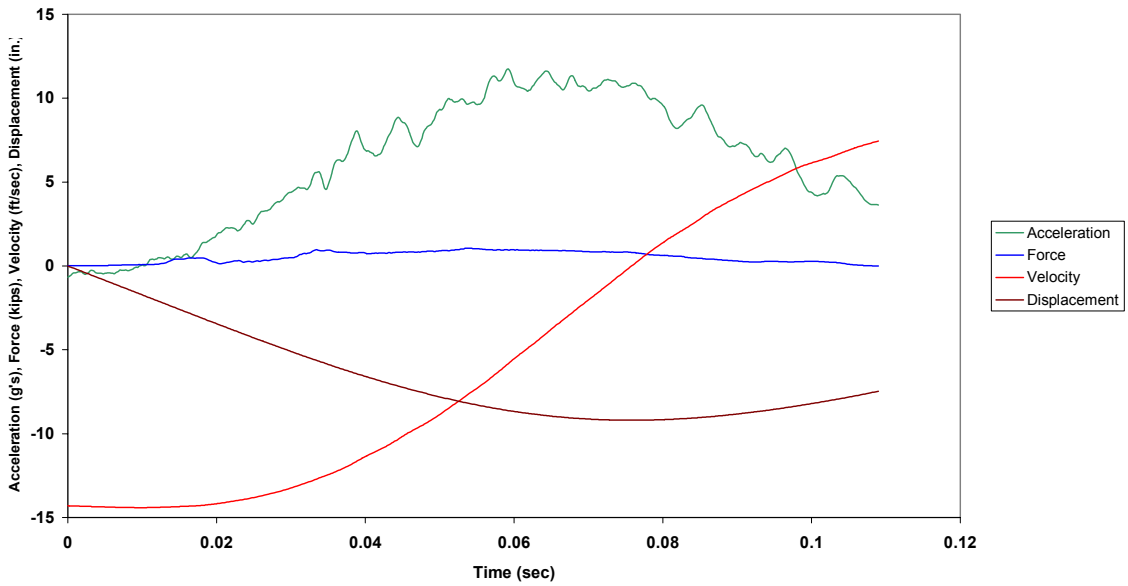


Figure B.227.2 Case 1U: Combined Plot

Case 1U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 78 in.)

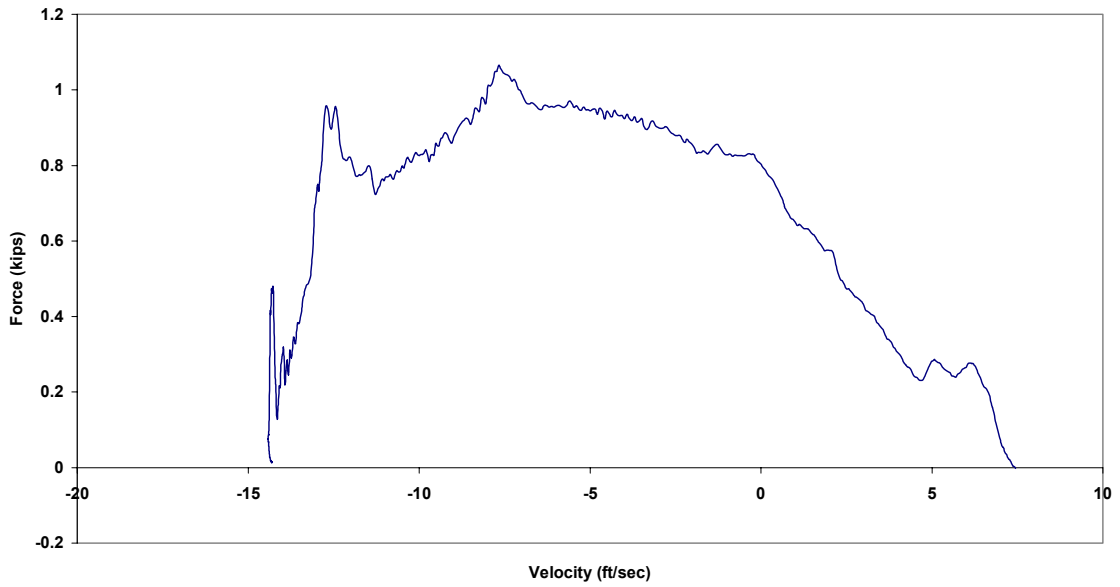


Figure B.227.3 Case 1U: Force vs. Velocity

Case 1U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 78 in.)

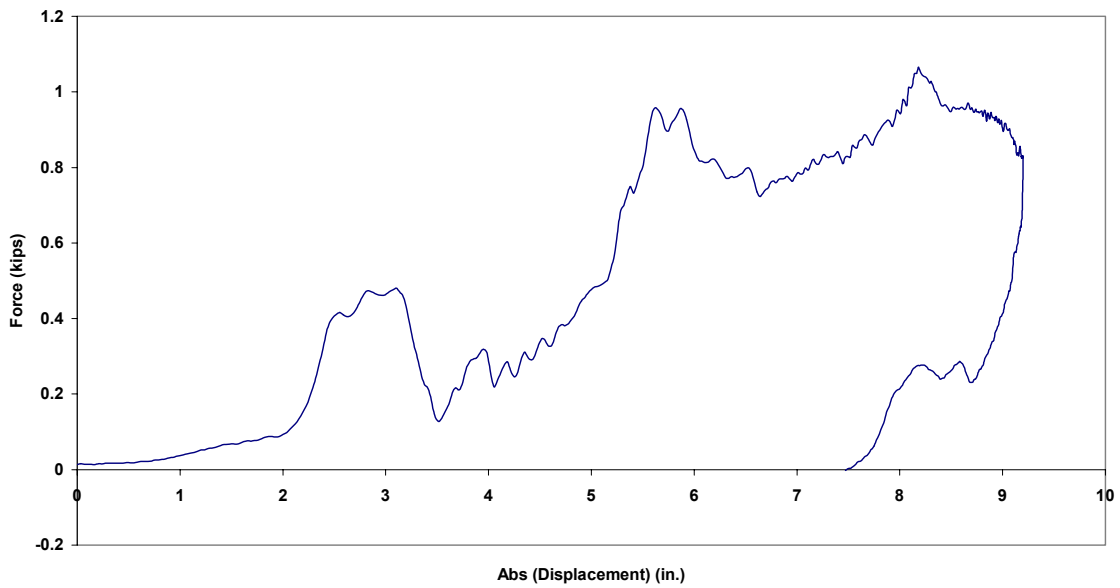


Figure B.227.4 Case 1U: Force vs. Absolute Displacement

Case 2U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 72 in.)

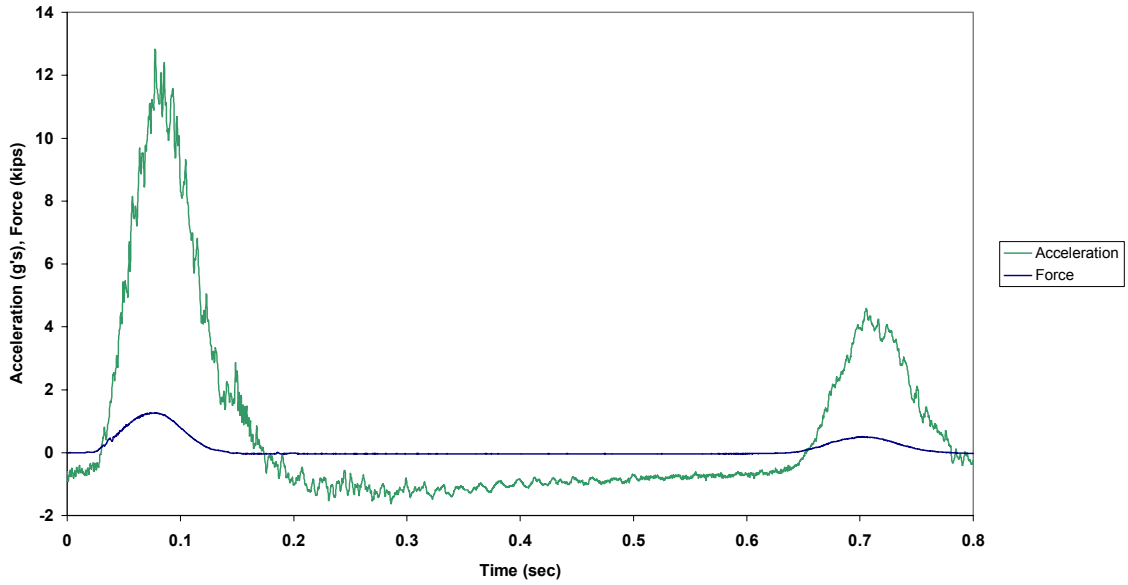


Figure B.228.1 Case 2U: Force and Acceleration vs. Time

Case 2U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 72 in.)

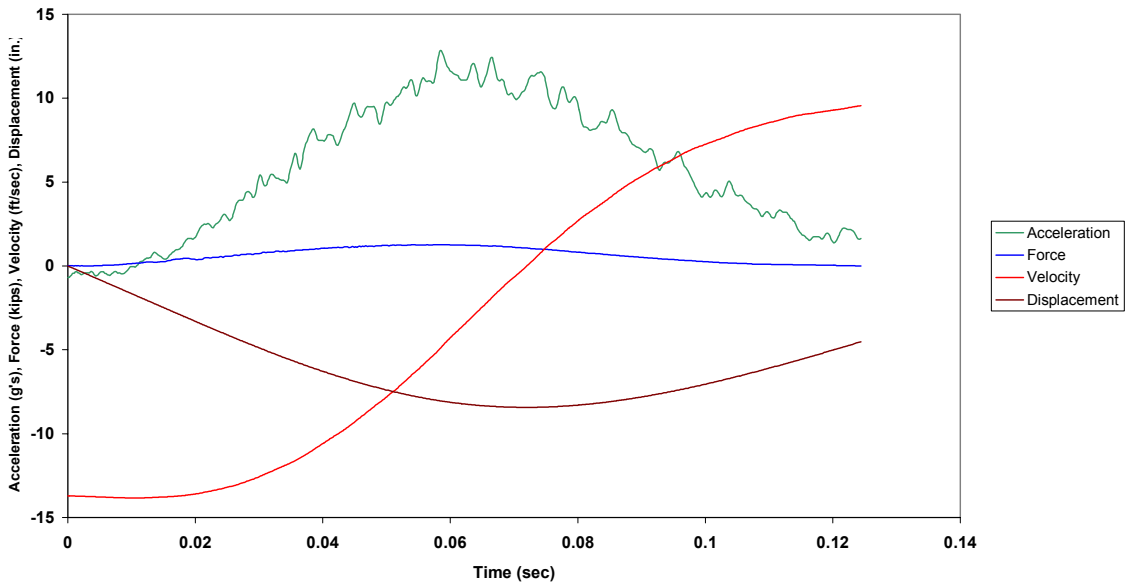


Figure B.228.2 Case 2U: Combined Plot

Case 2U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 72 in.)

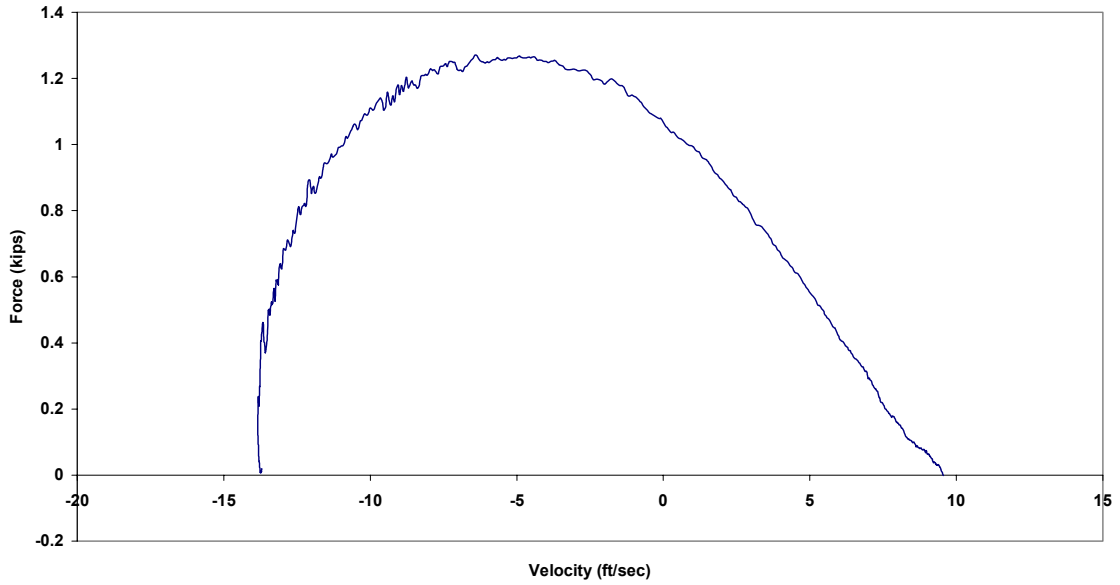


Figure B.228.3 Case 2U: Force vs. Velocity

Case 2U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 72 in.)



Figure B.228.4 Case 2U: Force vs. Absolute Displacement

Case 3U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 66 in.)

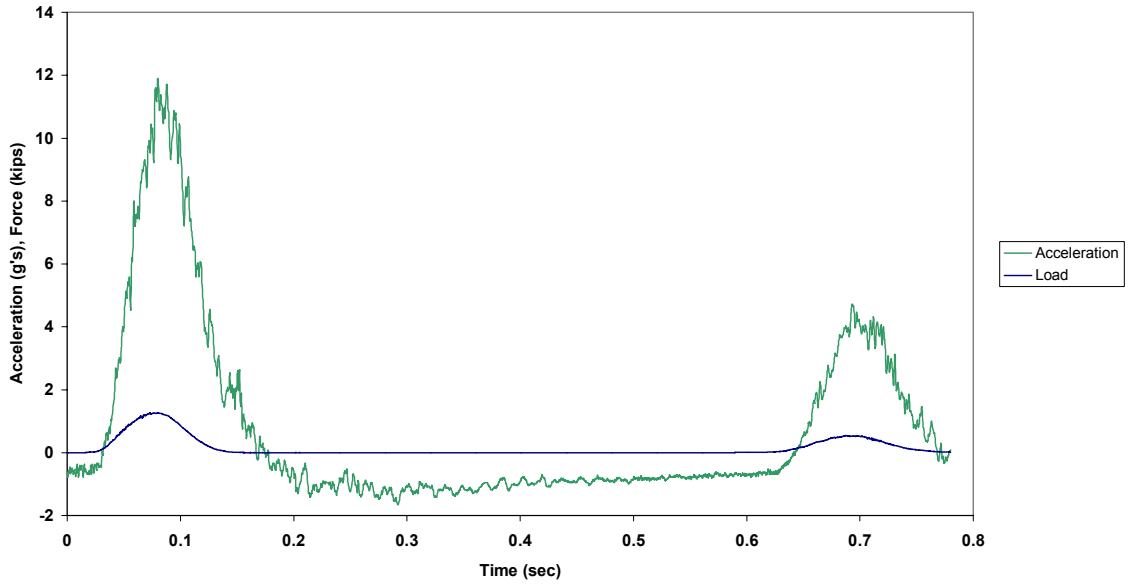


Figure B.229.1 Case 3U: Force and Acceleration vs. Time

Case 3U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 66 in.)

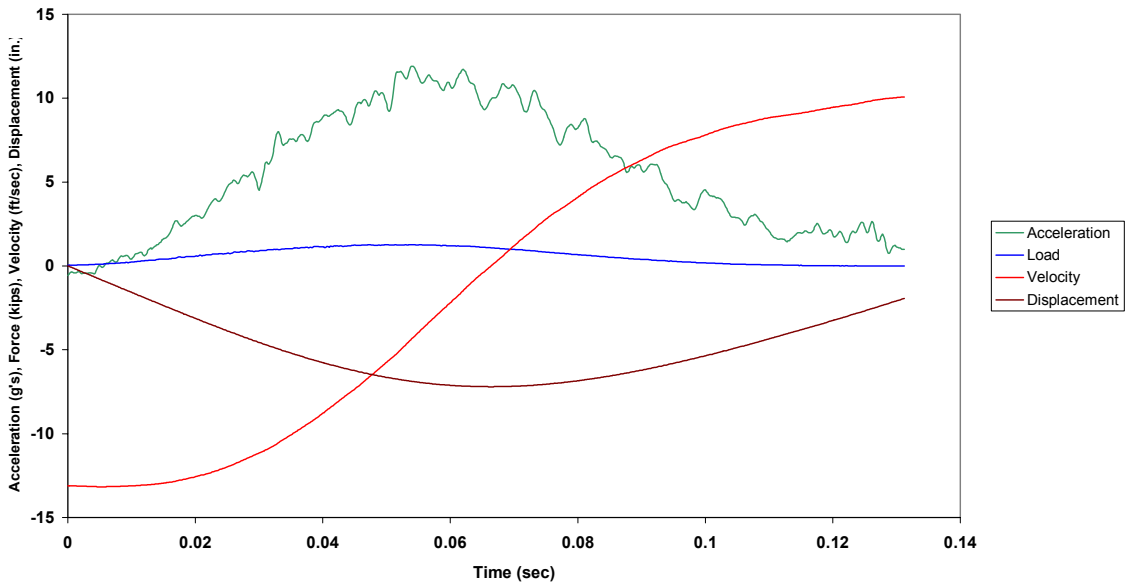


Figure B.229.2 Case 3U: Combined Plot

Case 3U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 66 in.)

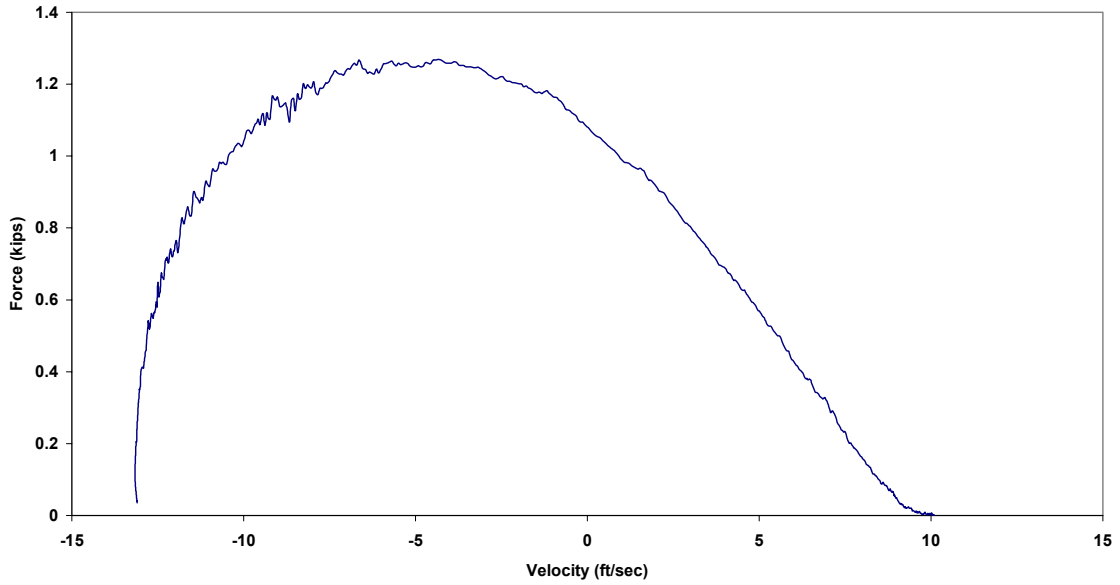


Figure B.229.3 Case 3U: Force vs. Velocity

Case 3U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 66 in.)

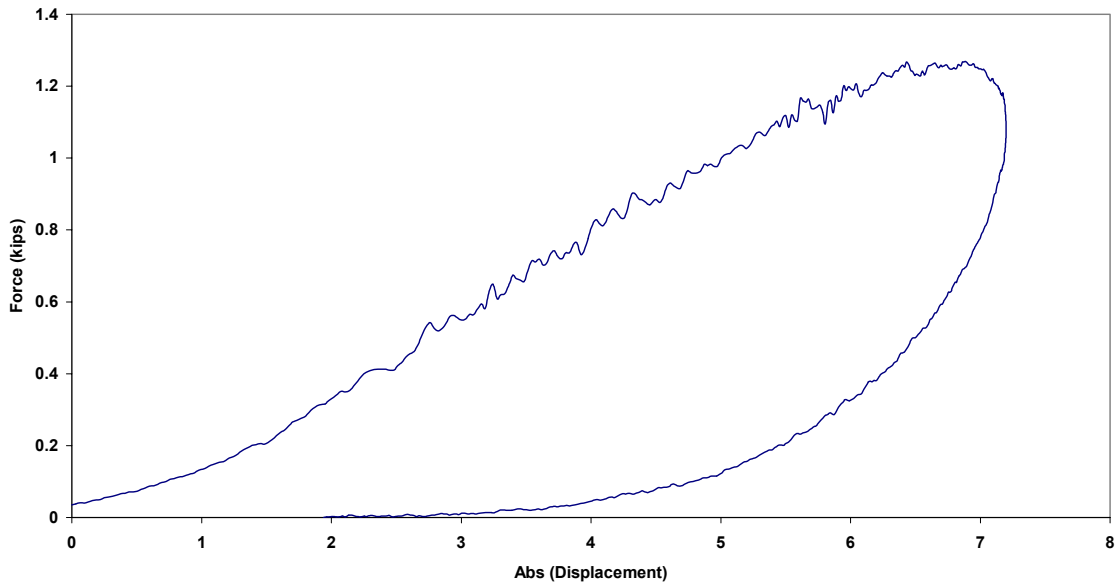


Figure B.229.4 Case 3U: Force vs. Absolute Displacement



Case 4U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 60 in.)

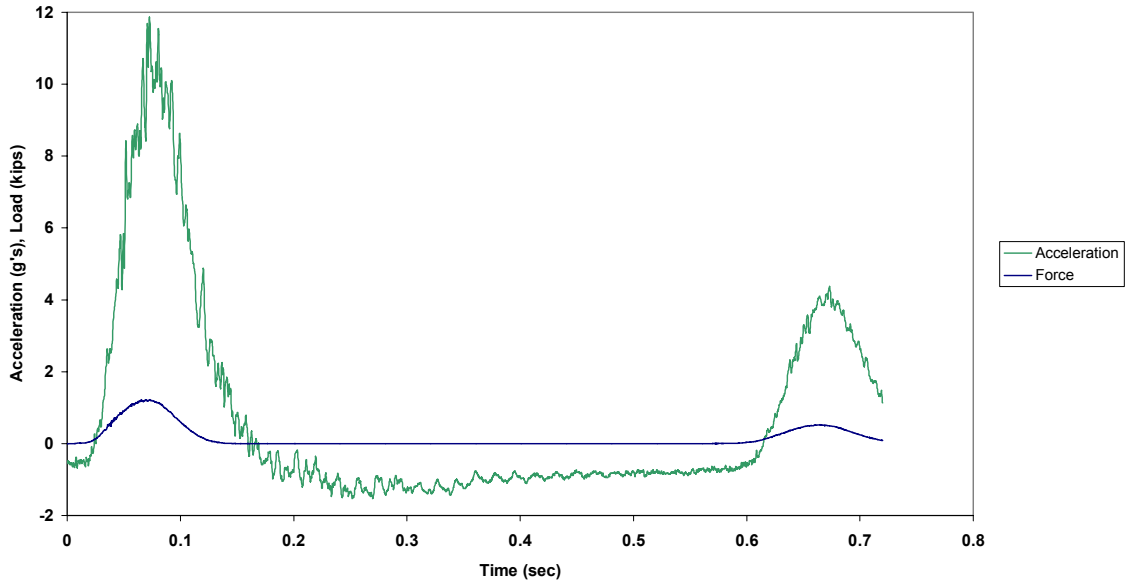


Figure B.230.1 Case 4U: Force and Acceleration vs. Time

Case 4U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 60 in.)

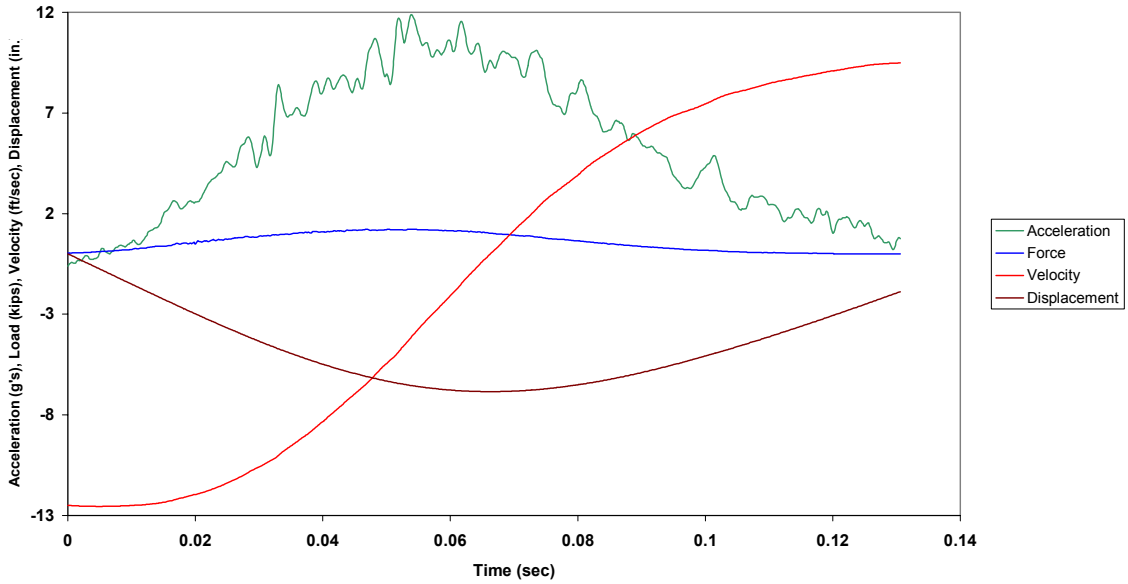


Figure B.230.2 Case 4U: Combined Plot

Case 4U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 60 in.)

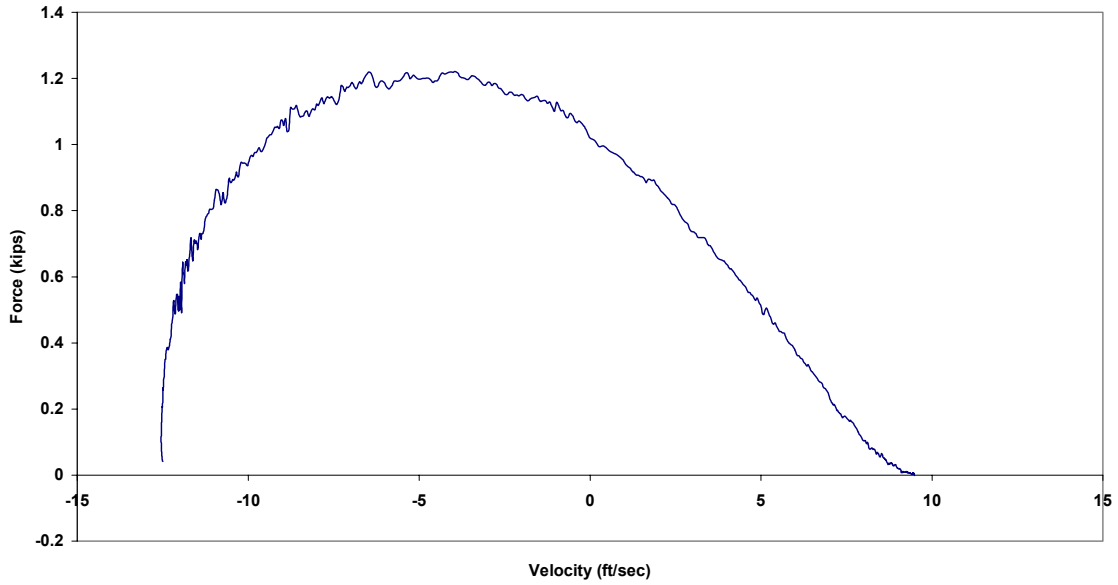


Figure B.230.3 Case 4U: Force vs. Velocity

Case 4U: Precycled 7 ft. 3/8 in. Dura Plex (65 lb from 60 in.)



Figure B.230.4 Case 4U: Force vs. Absolute Displacement

Case 5U: Precycled 7 ft. 3/8 in. Dura Plex (85 lb from 54 in.)

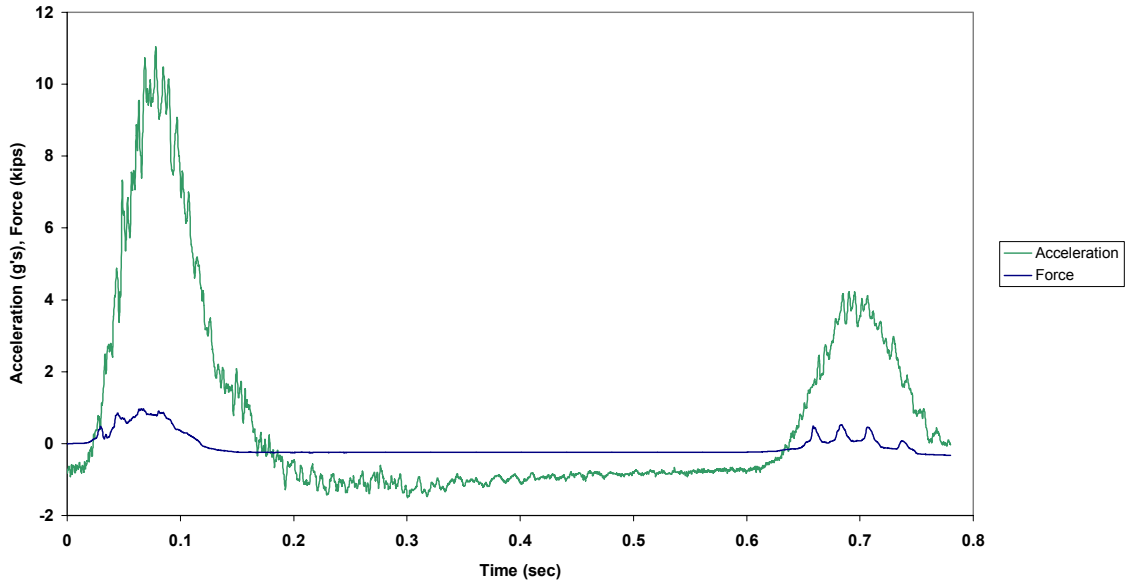


Figure B.231.1 Case 5U: Force and Acceleration vs. Time

Case 5U: Precycled 7 ft. 3/8 in. Dura Plex (85 lb from 54 in.)

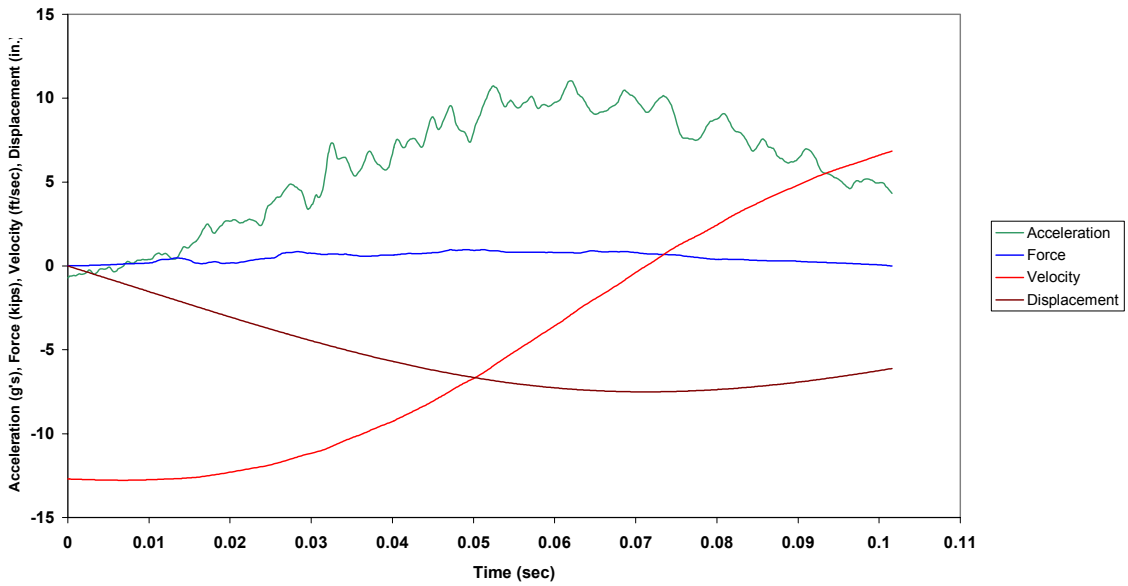


Figure B.231.2 Case 5U: Combined Plot

Case 5U: Precycled 7 ft. 3/8 in. Dura Plex (85 lb from 54 in.)

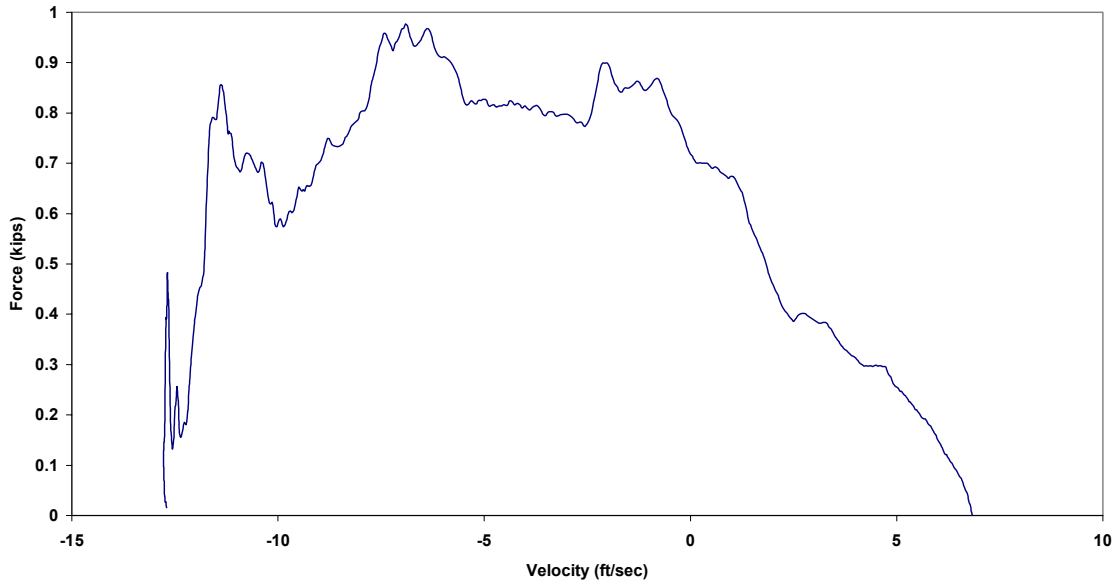


Figure B.231.3 Case 5U: Force vs. Velocity

Case 5U: Precycled 7 ft. 3/8 in. Dura Plex (85 lb from 54 in.)

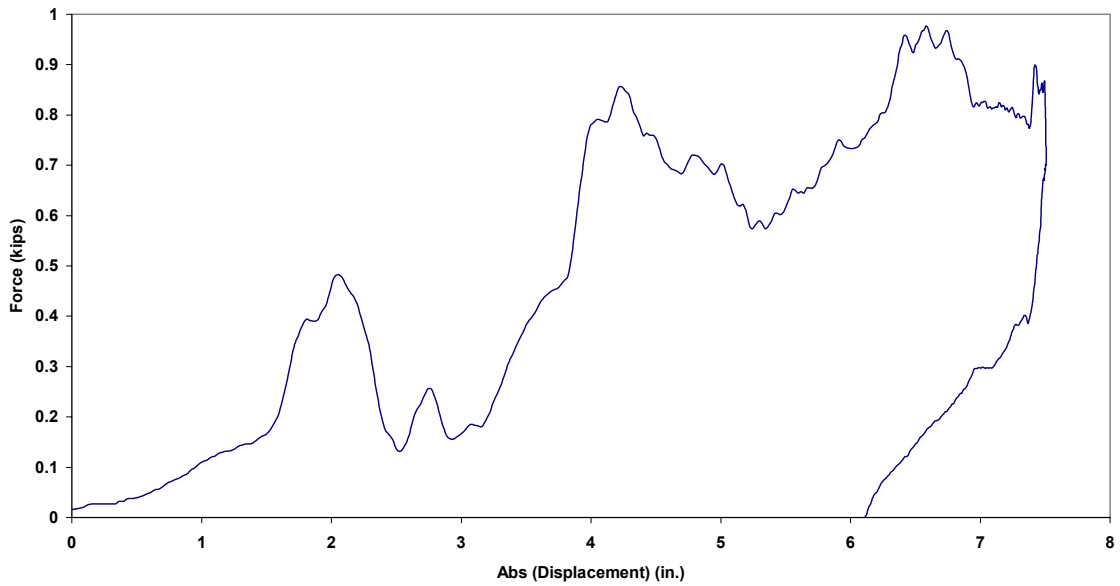


Figure B.231.4 Case 5U: Force vs. Absolute Displacement

Case 6U: Precycled 7 ft. 3/8 in. Dura Plex (105 lb from 54 in.)

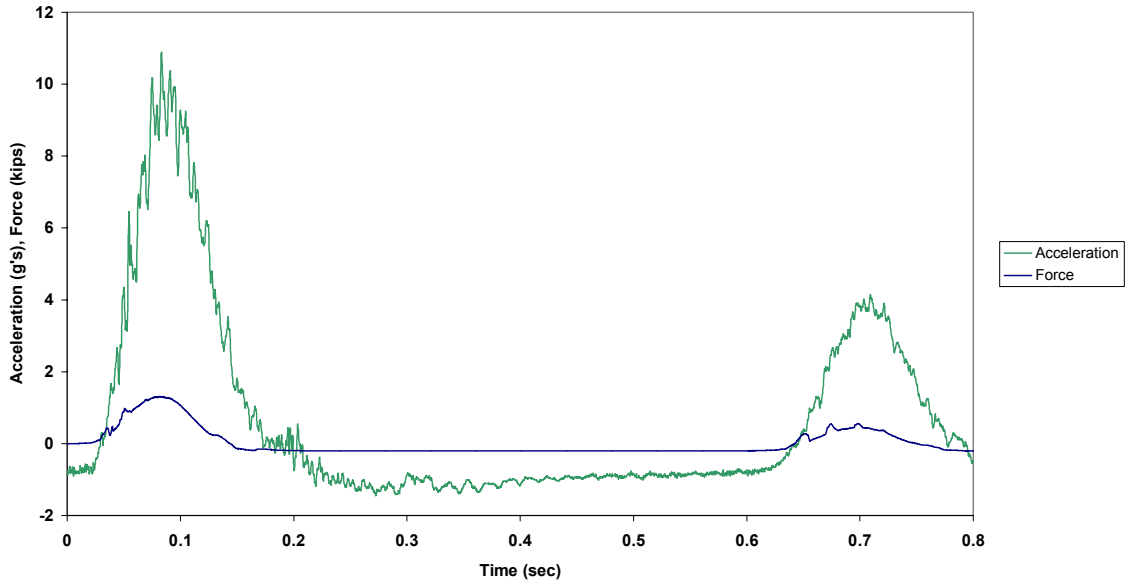


Figure B.232.1 Case 6U: Force and Acceleration vs. Time

Case 6U: Precycled 7 ft. 3/8 in. Dura Plex (105 lb from 54 in.)

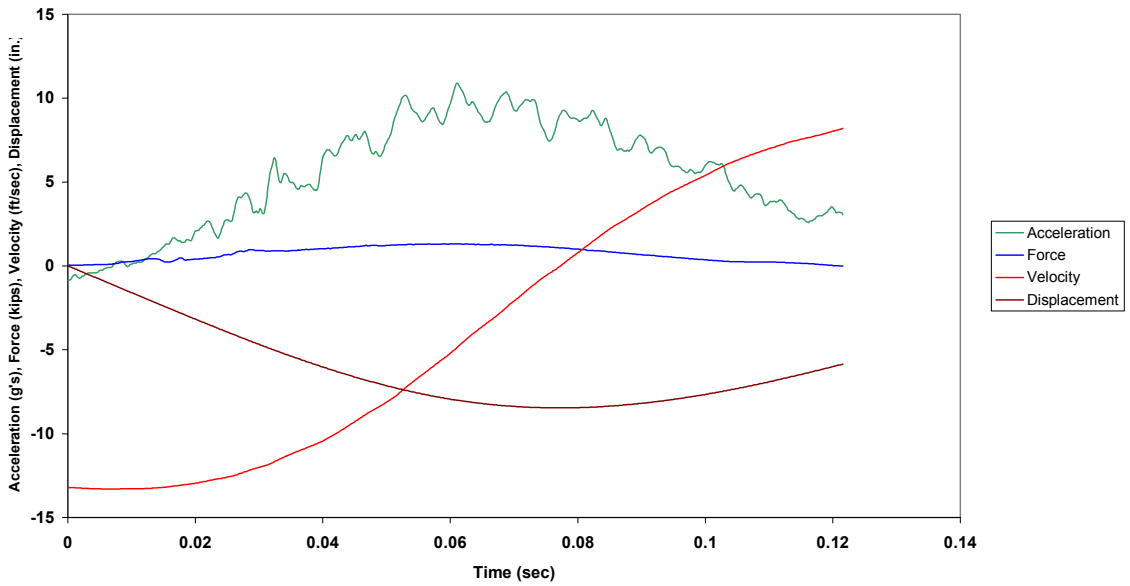


Figure B.232.2 Case 6U: Combined Plot

Case 6U: Precycled 7 ft. 3/8 in. Dura Plex (105 lb from 54 in.)

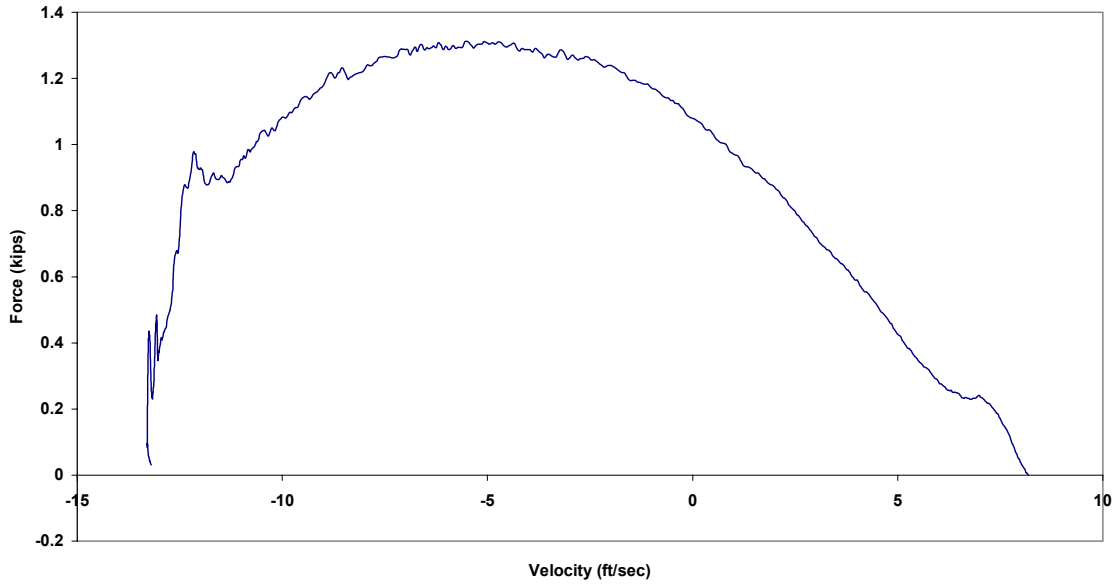


Figure B.232.3 Case 6U: Force vs. Velocity

Case 6U: Precycled 7 ft. 3/8 in. Dura Plex (105 lb from 54 in.)



Figure B.232.4 Case 6U: Force vs. Absolute Displacement

Case 7U: Precycled 7 ft. 3/8 in. Dura Plex (125 lb from 54 in.)

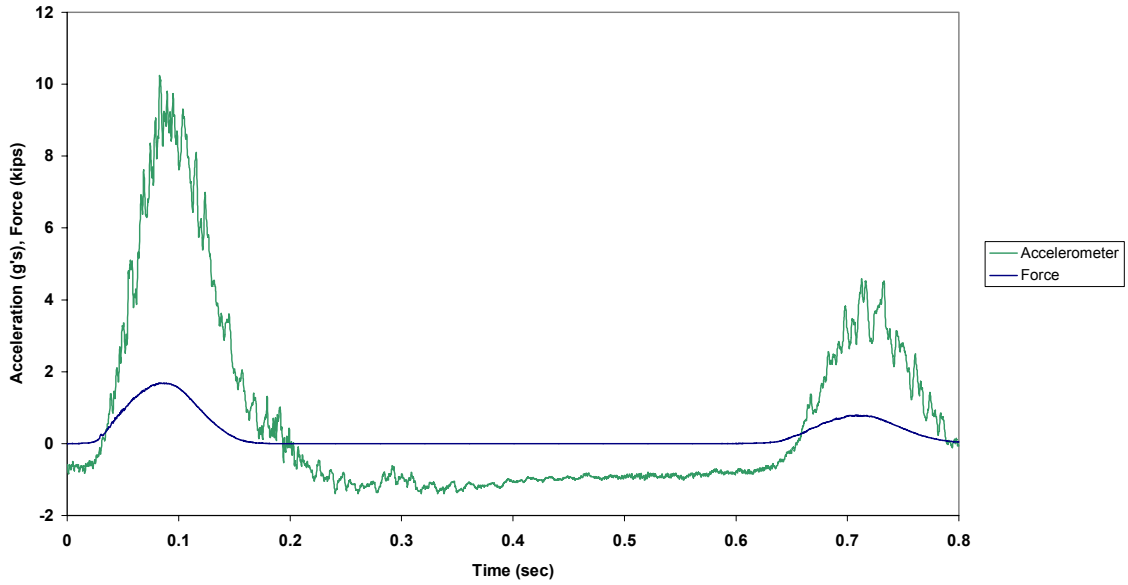


Figure B.233.1 Case 7U: Force and Acceleration vs. Time

Case 7U: Precycled 7 ft. 3/8 in. Dura Plex (125 lb from 54 in.)

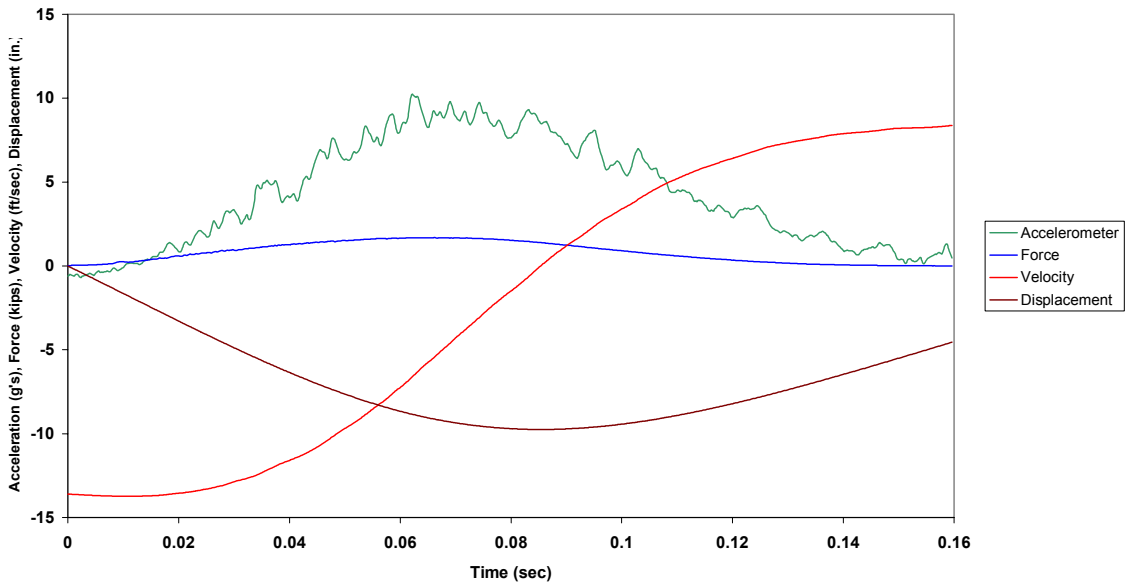


Figure B.233.2 Case 7U: Combined Plot

Case 7U: Precycled 7 ft. 3/8 in. Dura Plex (125 lb from 54 in.)

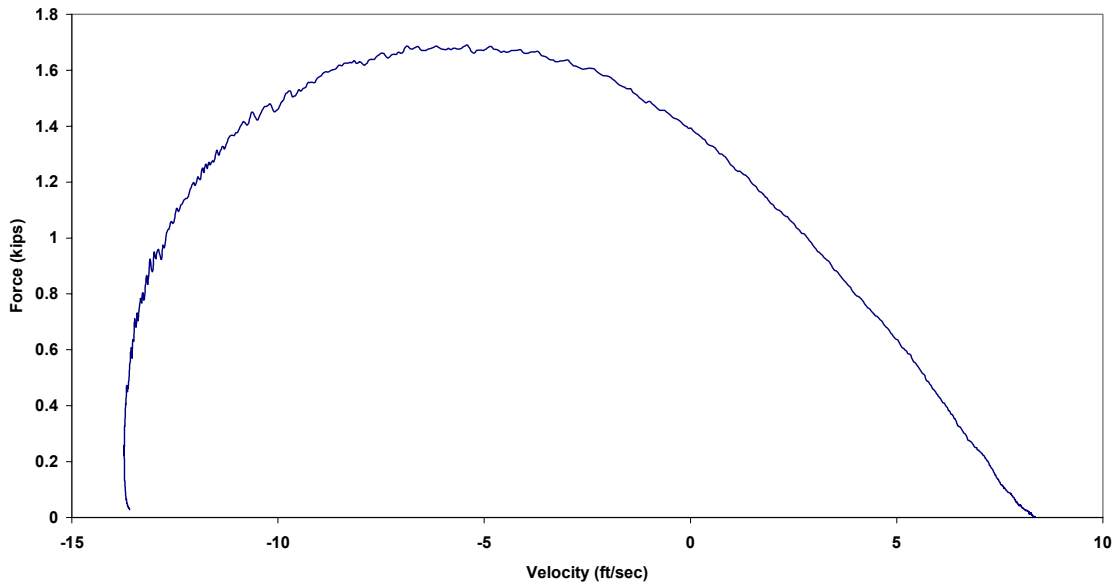


Figure B.233.3 Case 7U: Force vs. Velocity

Case 7U: Precycled 7 ft. 3/8 in. Dura Plex (125 lb from 54 in.)

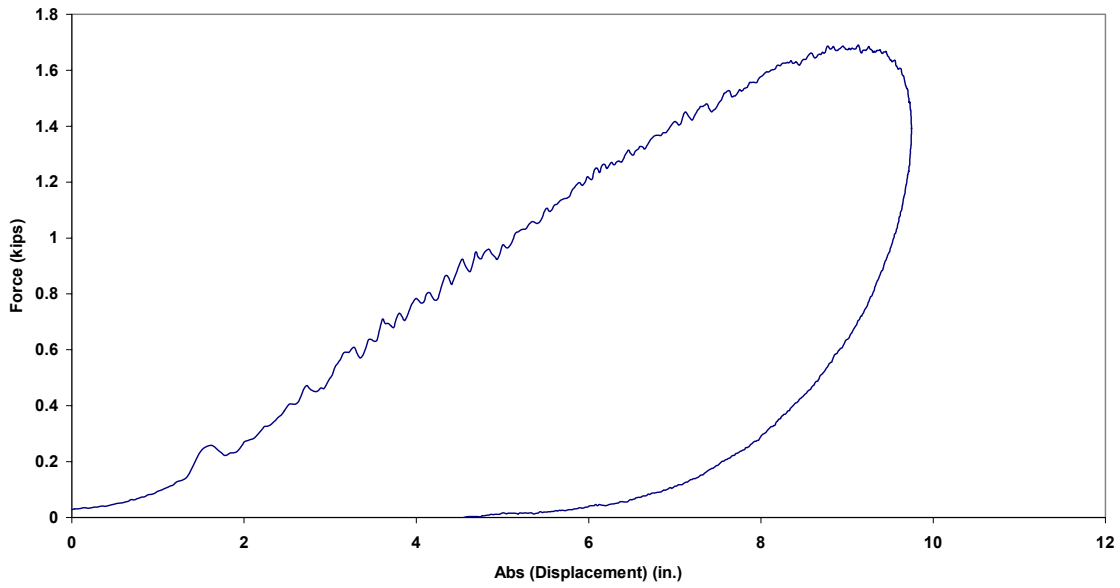


Figure B.233.4 Case 7U: Force vs. Absolute Displacement



Case 1V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (105 lb from 48 in.)

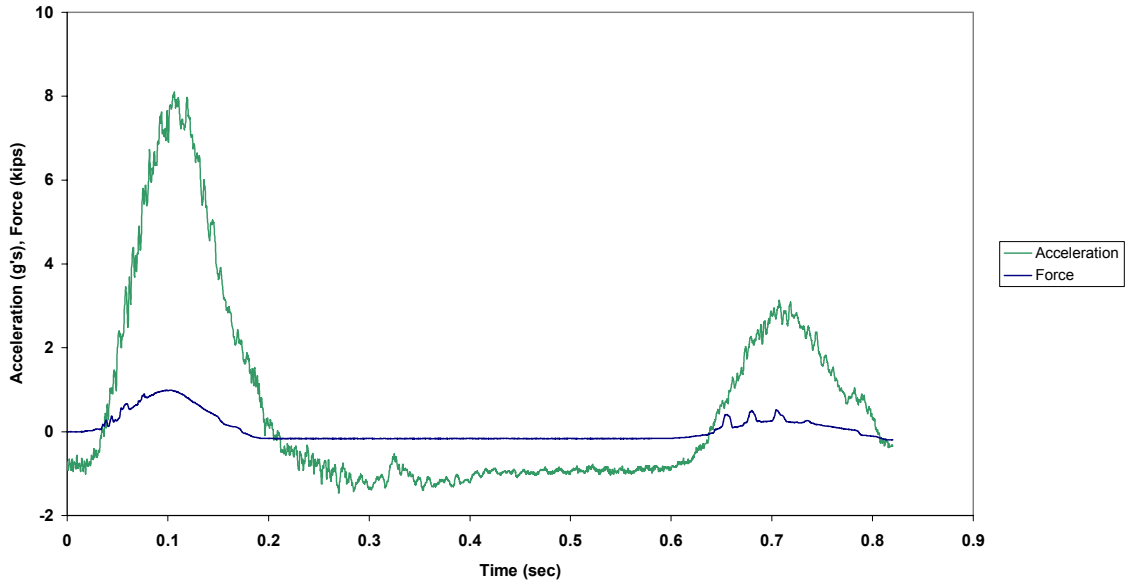


Figure B.234.1 Case 1V: Force and Acceleration vs. Time

Case 1V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (105 lb from 48 in.)

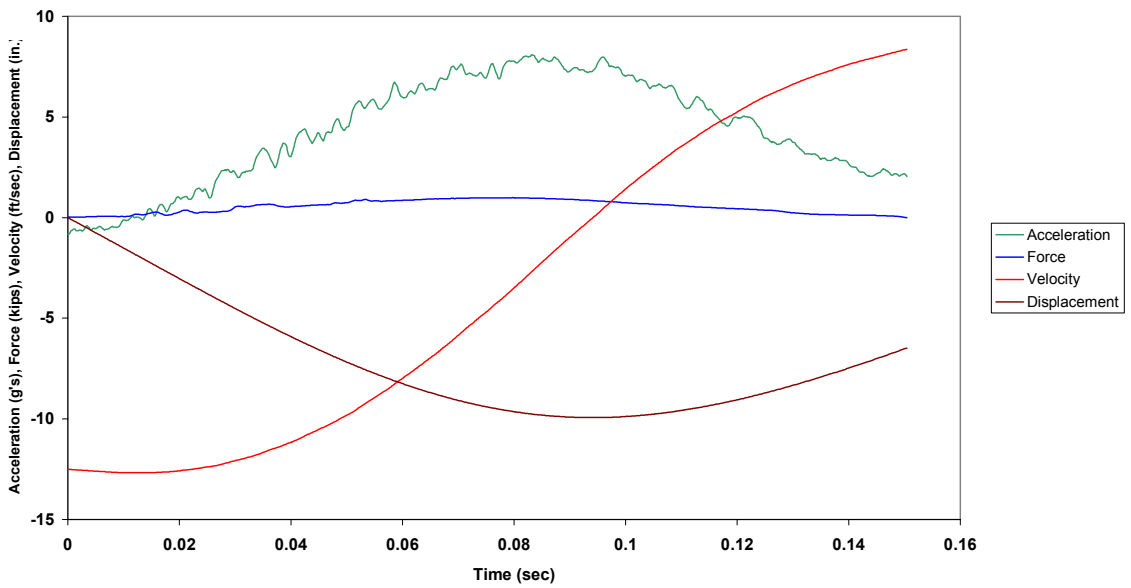


Figure B.234.2 Case 1V: Combined Plot

Case 1V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (105 lb from 48 in.)

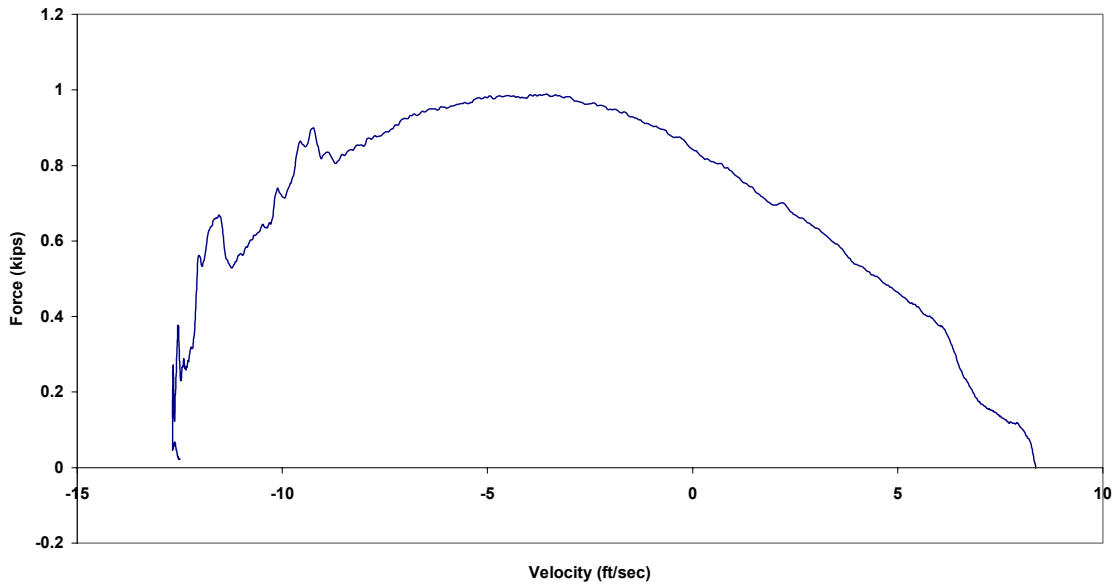


Figure B.234.3 Case 1V: Force vs. Velocity

Case 1V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (105 lb from 48 in.)

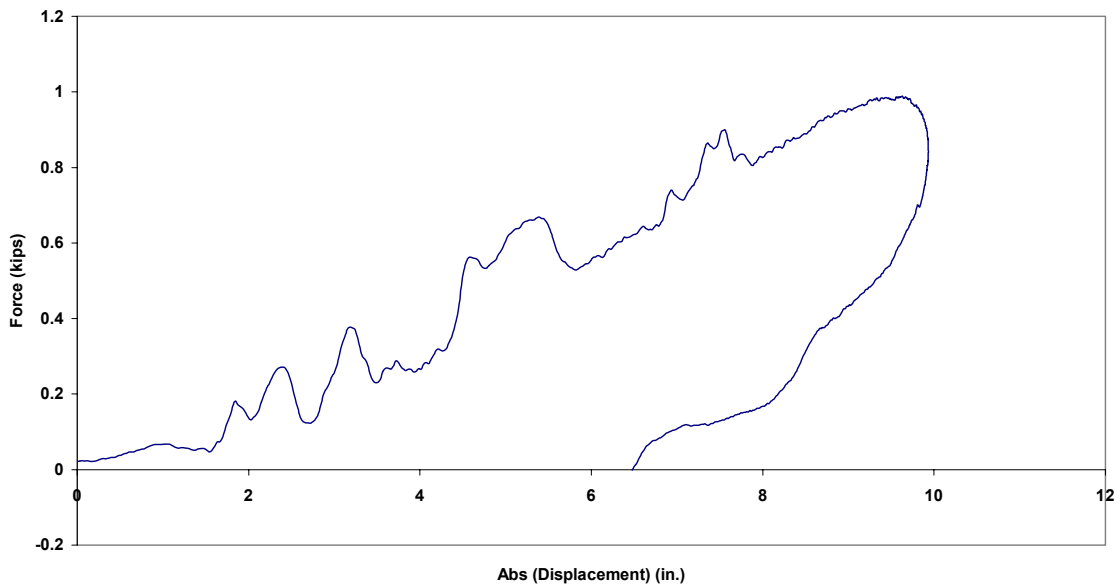


Figure B.234.4 Case 1V: Force vs. Absolute Displacement

Case 2V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (85 lb from 48 in.)

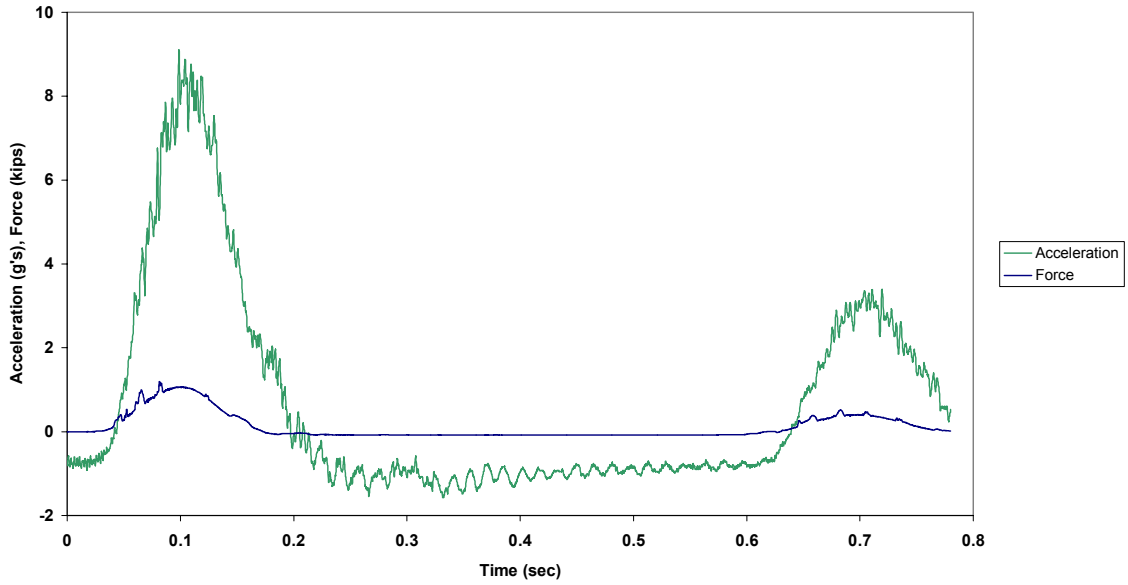


Figure B.235.1 Case 2V: Force and Acceleration vs. Time

Case 2V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (85 lb from 48 in.)

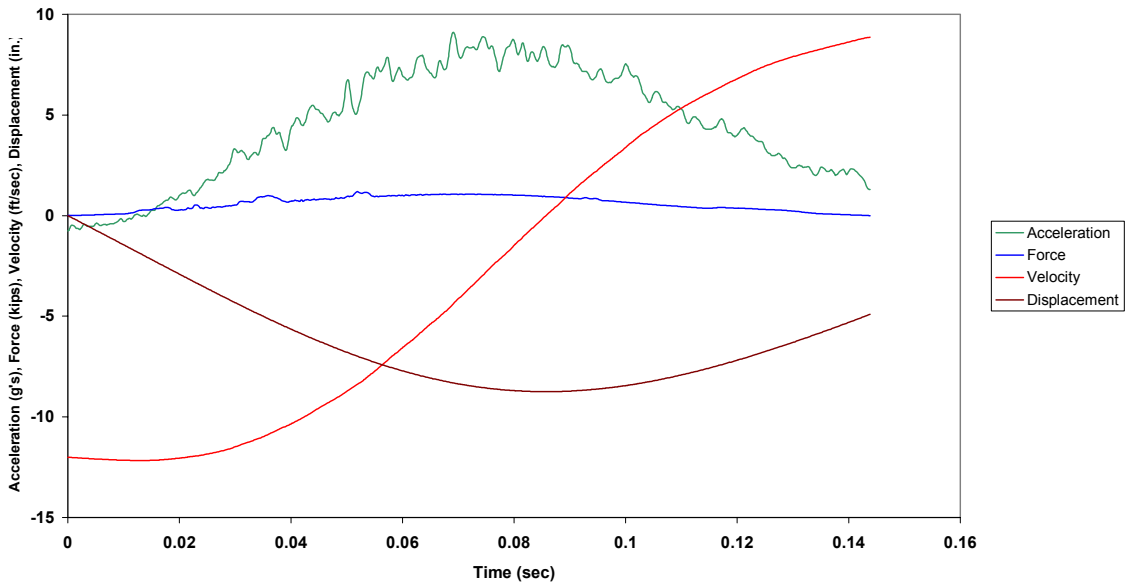


Figure B.235.2 Case 2V: Combined Plot

Case 2V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (85 lb from 48 in.)

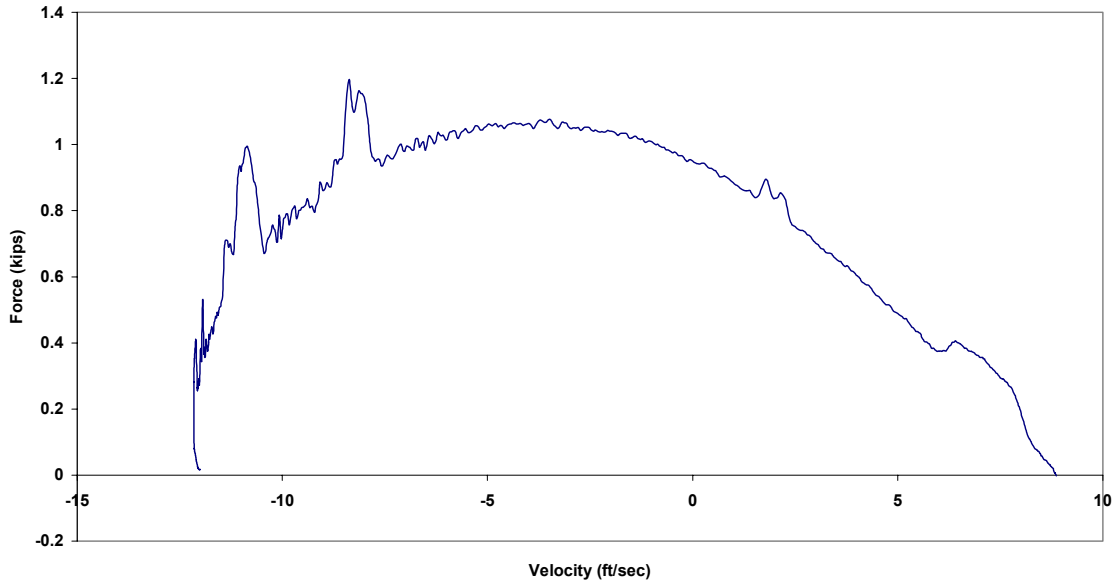


Figure B.235.3 Case 2V: Force vs. Velocity

Case 2V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (85 lb from 48 in.)



Figure B.235.4 Case 2V: Force vs. Absolute Displacement

Case 3V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (65 lb from 48 in.)

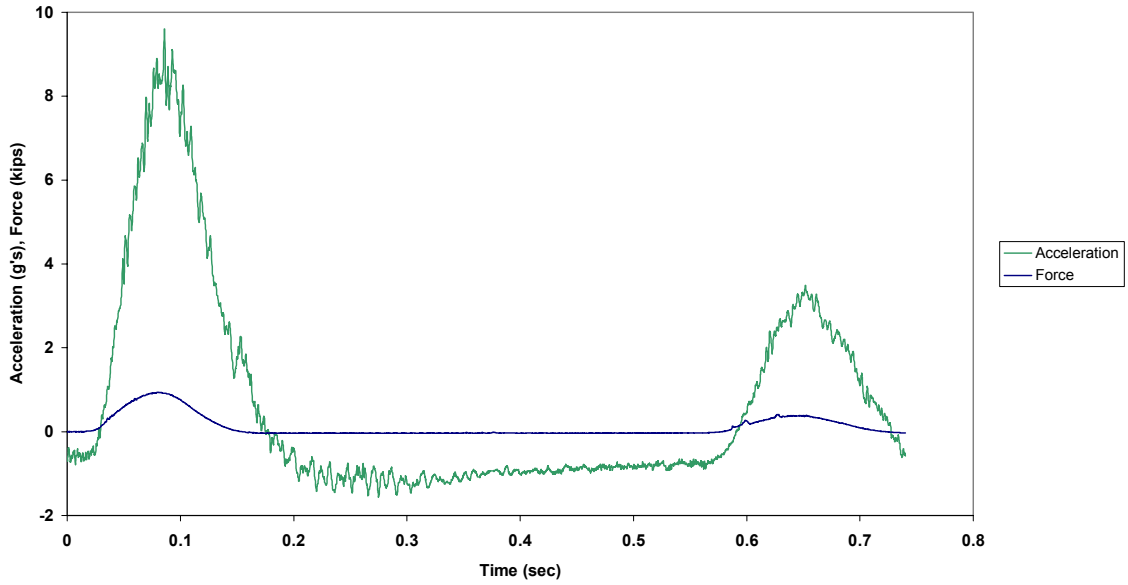


Figure B.236.1 Case 3V: Force and Acceleration vs. Time

Case 3V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (65 lb from 48 in.)

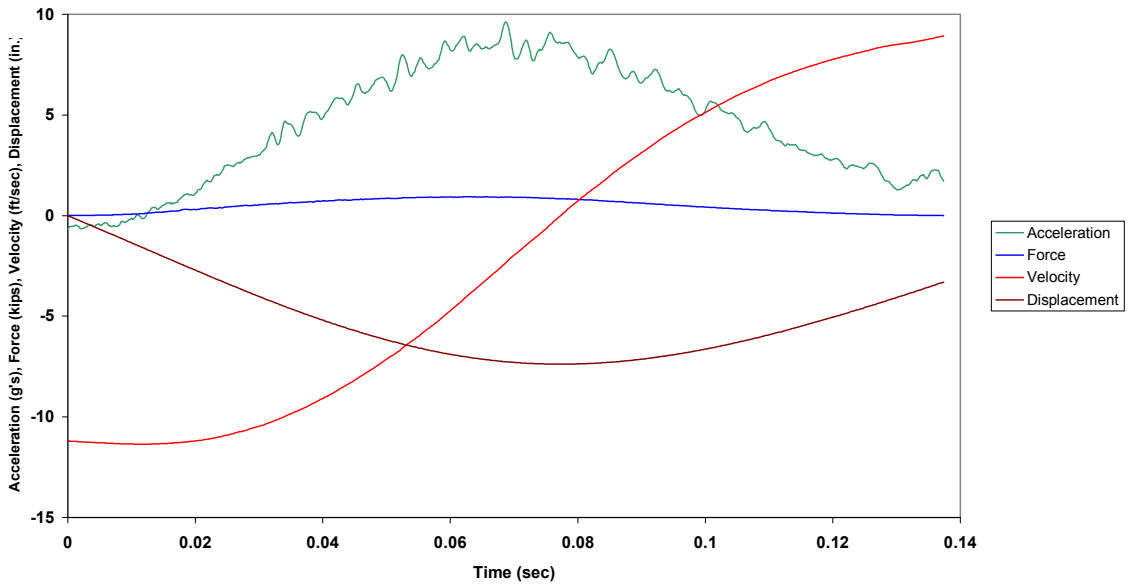


Figure B.236.2 Case 3V: Combined Plot

Case 3V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (65 lb from 48 in.)

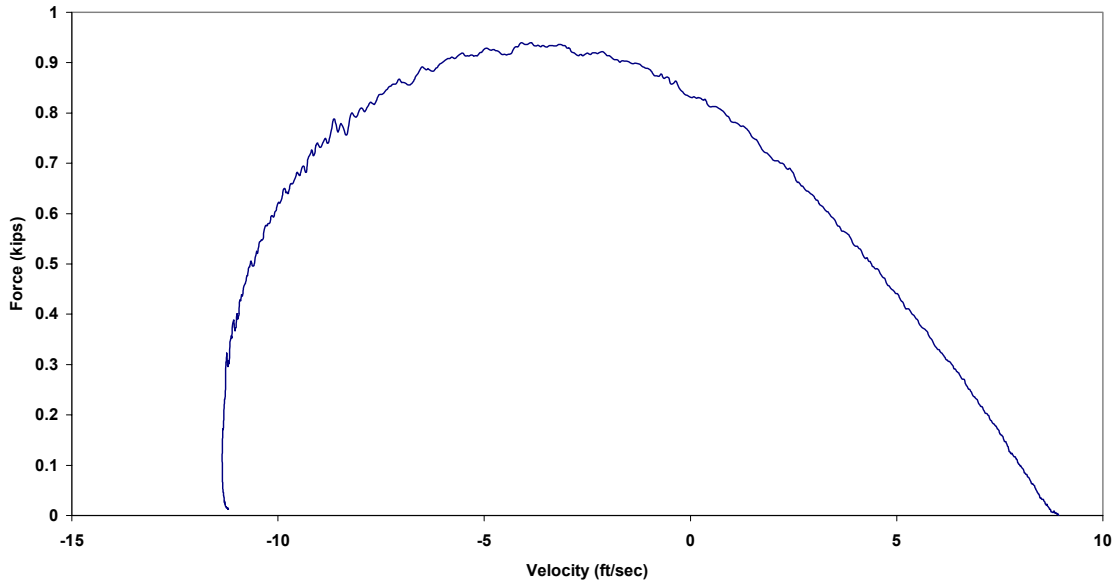


Figure B.236.3 Case 3V: Force vs. Velocity

Case 3V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (65 lb from 48 in.)

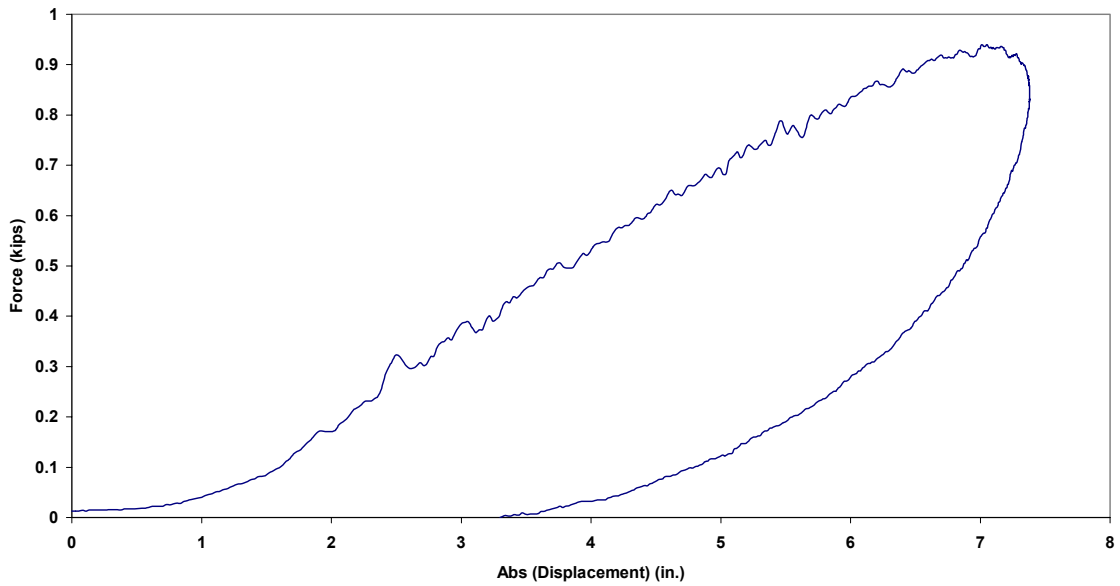


Figure B.236.4 Case 3V: Force vs. Absolute Displacement

Case 4V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (45 lb from 48 in.)

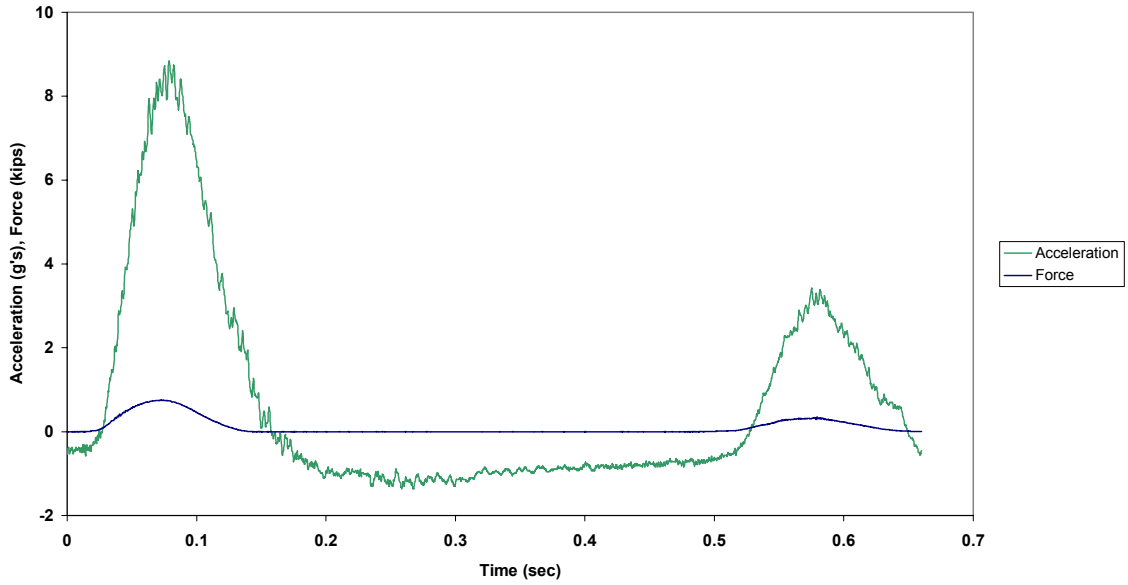


Figure B.237.1 Case 4V: Force and Acceleration vs. Time

Case 4V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (45 lb from 48 in.)

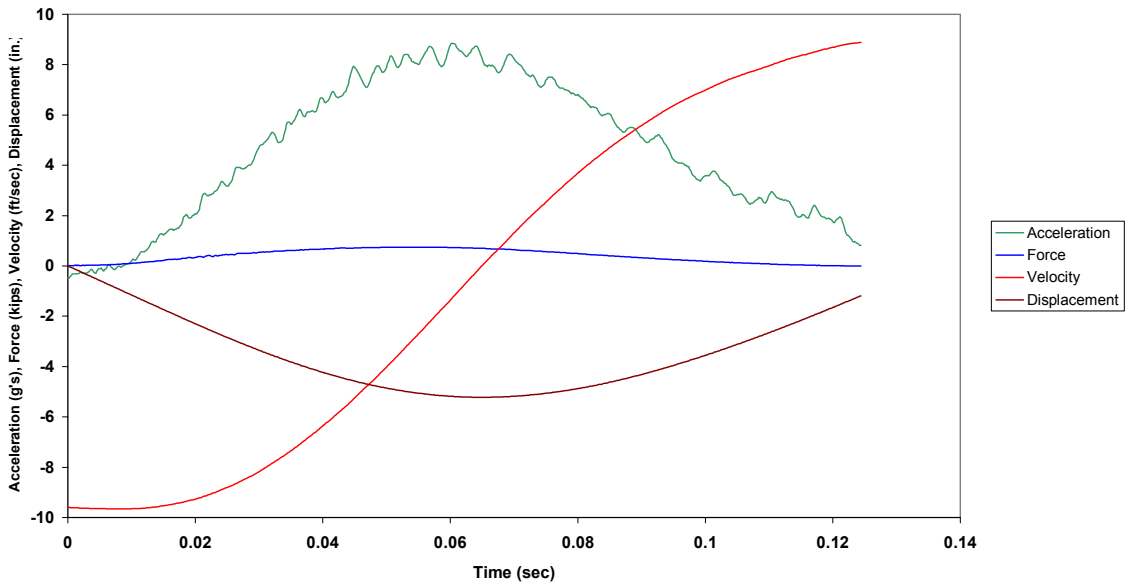


Figure B.237.2 Case 4V: Combined Plot

Case 4V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (45 lb from 48 in.)

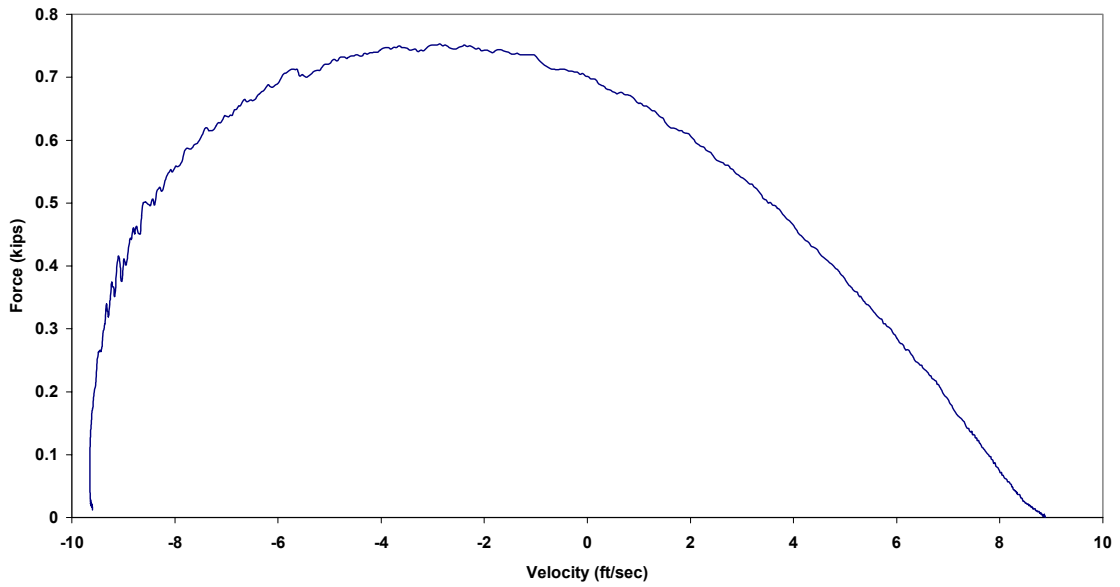


Figure B.237.3 Case 4V: Force vs. Velocity

Case 4V: Precycled 7 ft. 3/8 in. XLS Yacht Braid (45 lb from 48 in.)

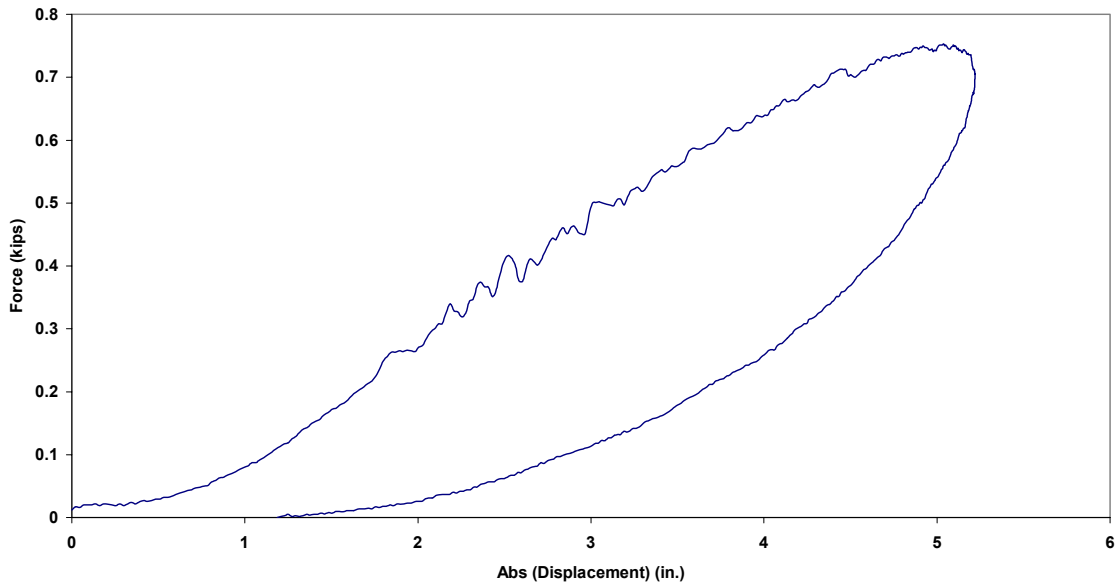


Figure B.237.4 Case 4V: Force vs. Absolute Displacement



<b>1/2-inch Tenex (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1W	1	91	65
Test 2W	2	55	45
Test 3W	3	61	45

Table B.9.1 Test Sequence for 1/2 in. Tenex (Precycled)

<b>1/2-inch Tenex (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1X	1	54	45
Test 2X	2	60	45
Test 3X	3	66	45
Test 4X	4	72	45
Test 5X	5	78	45

Table B.9.2 Test Sequence for 1/2 in. Tenex (New)

<b>3/8-inch Tenex (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1Y	1	55	45
Test 2Y	2	61	45

Table B.9.3 Test Sequence for 3/8 in. Tenex (New)

<b>3/8-inch Tenex (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1Z	1	54	45
Test 2Z	2	59	45
Test 3Z	3	59	45
Test 4Z	4	59	45

Table B.9.4 Test Sequence for 3/8 in. Tenex (Precycled)

Case 1W: Precycled 1/2 in. Tenex (65 lb from 91 in.)

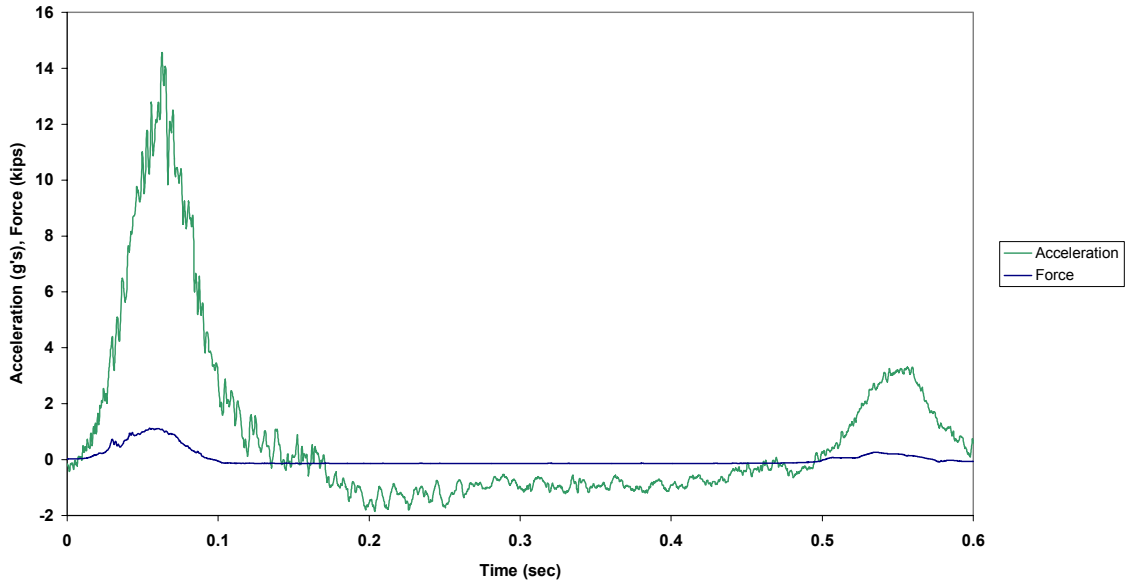


Figure B.238.1 Case 1W: Force and Acceleration vs. Time

Case 1W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

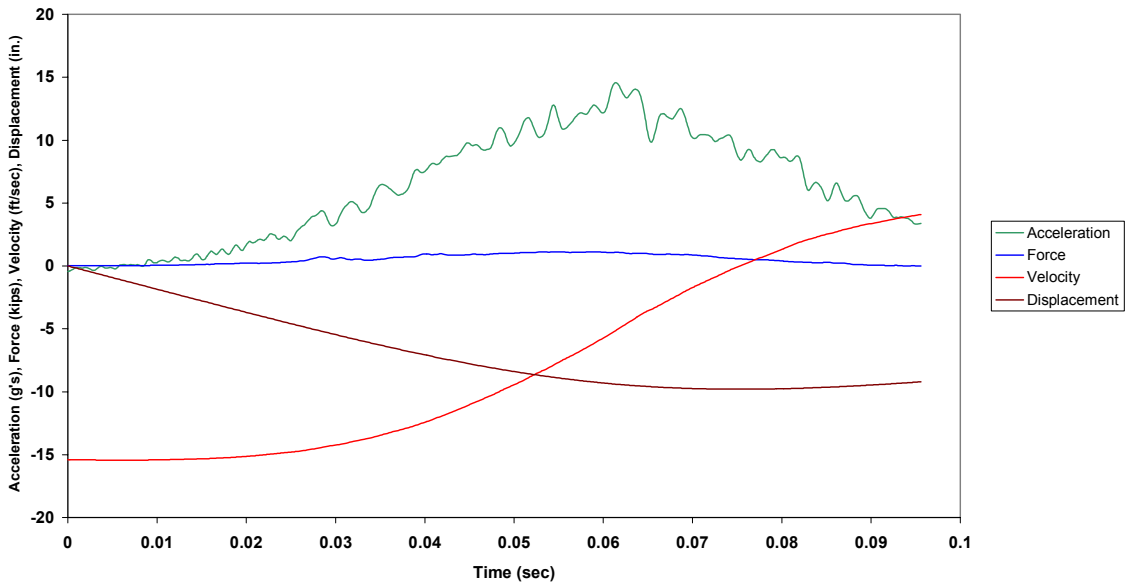


Figure B.238.2 Case 1W: Combined Plot

Case 1W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

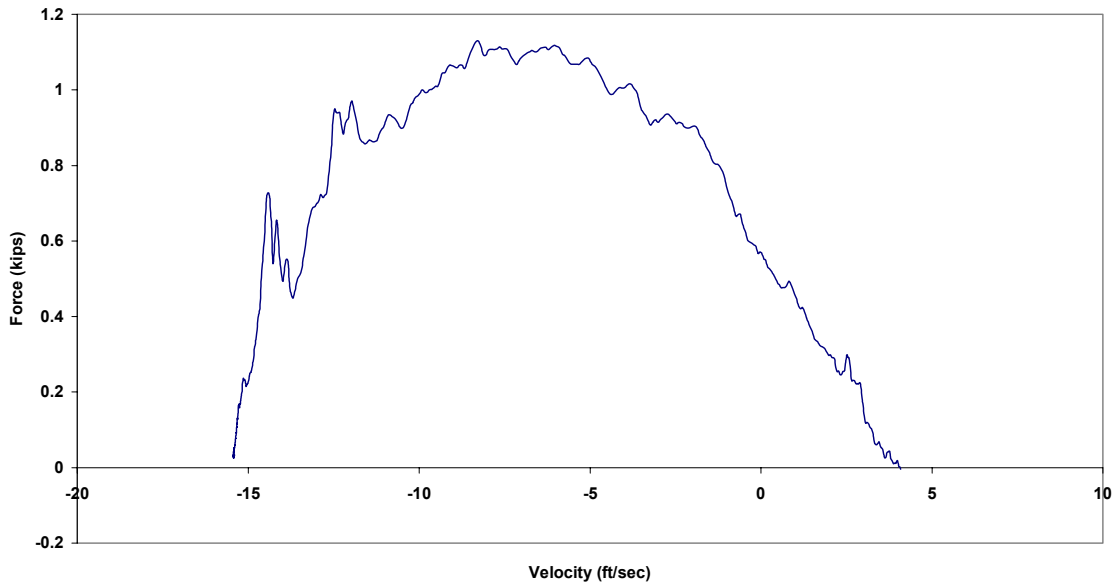


Figure B.238.3 Case 1W: Force vs. Velocity

Case 1W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

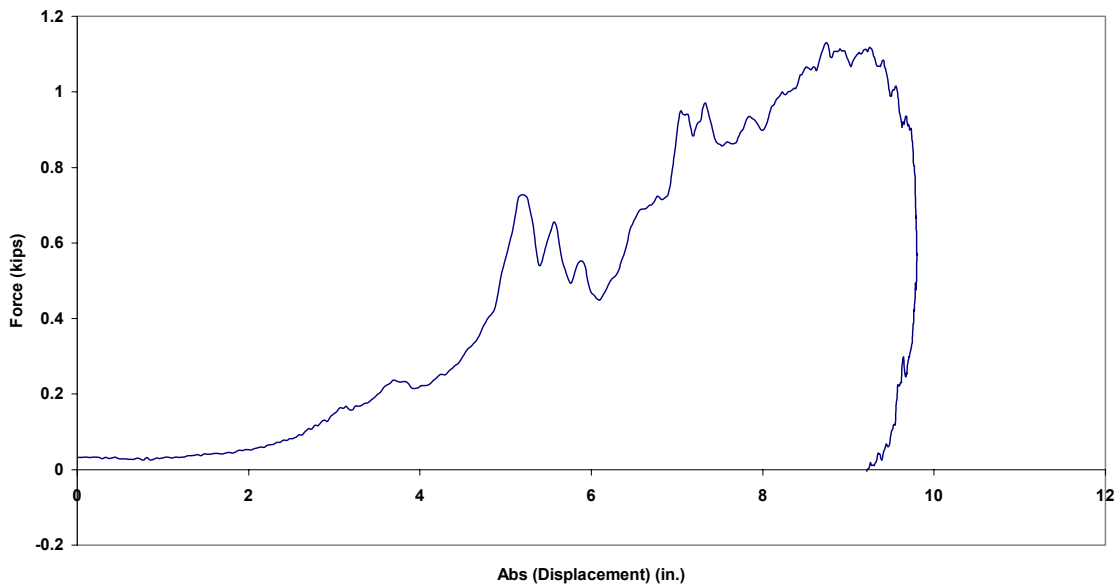


Figure B.238.4 Case 1W: Force vs. Absolute Displacement

Case 2W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

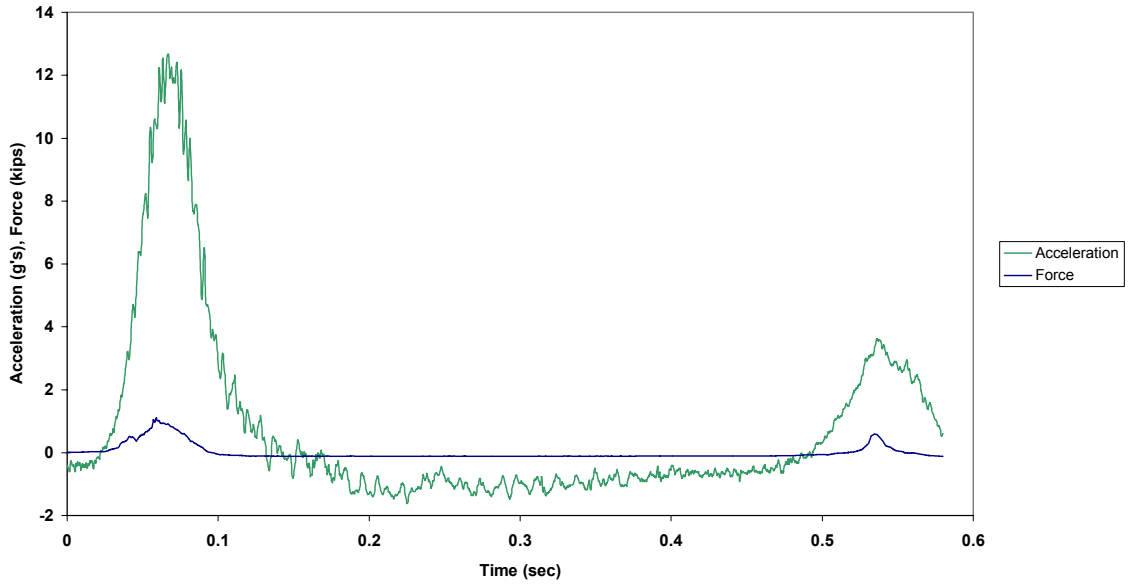


Figure B.239.1 Case 2W: Force and Acceleration vs. Time

Case 2W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

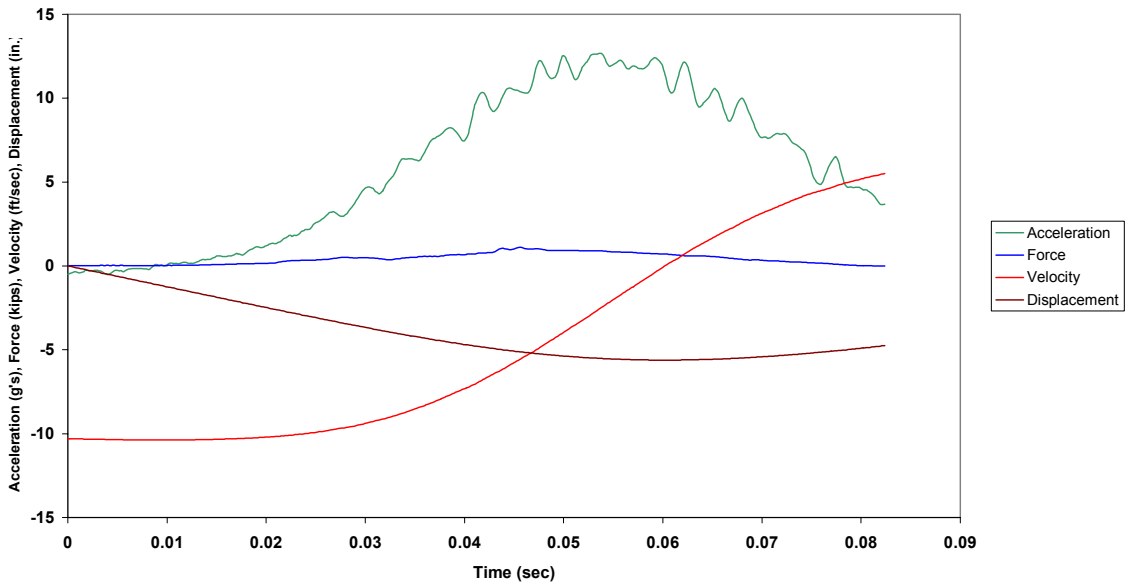


Figure B.239.2 Case 2W: Combined Plot

Case 2W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

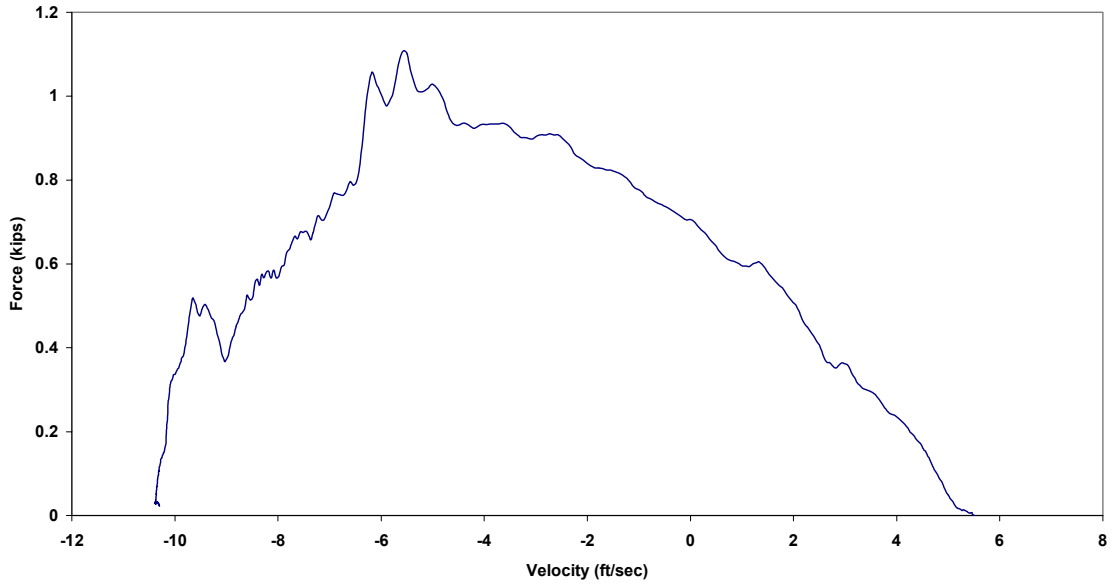


Figure B.239.3 Case 2W: Force vs. Velocity

Case 2W: Precycled 1/2 in. Tenex (45 lb from 55 in.)

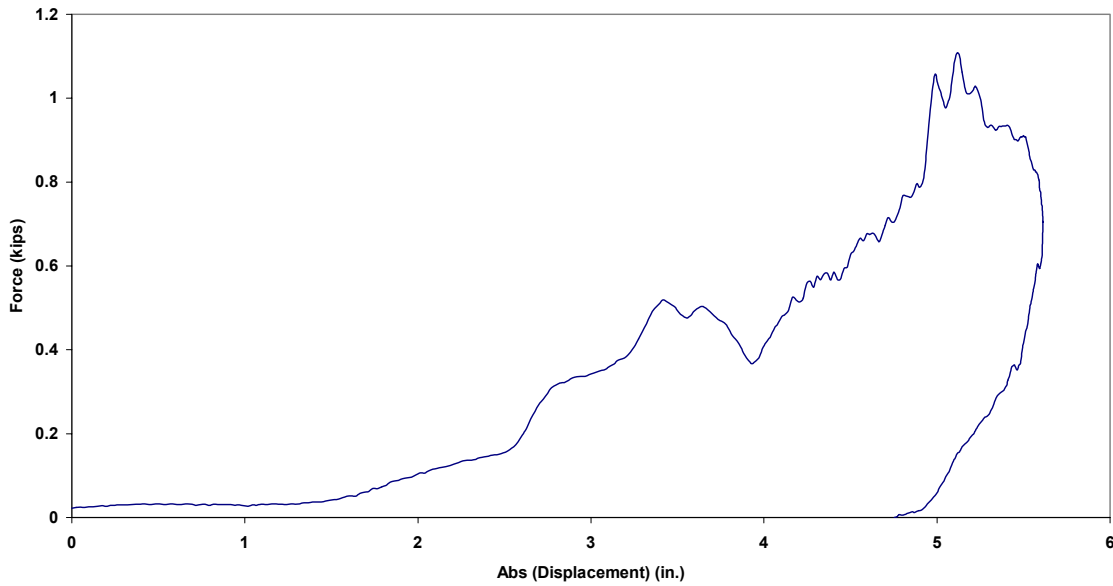


Figure B.239.4 Case 2W: Force vs. Absolute Displacement

Case 3W: Precycled 1/2 in. Tenex (45 lb from 61 in.)

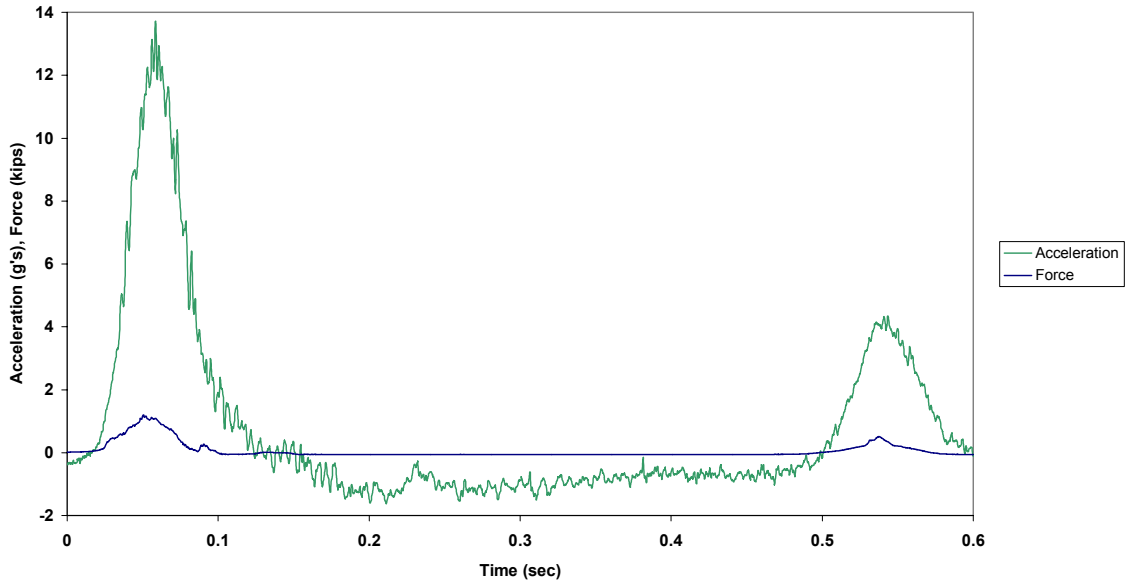


Figure B.240.1 Case 3W: Force and Acceleration vs. Time

Case 3W: Precycled 1/2 in. Tenex (45 lb from 61 in.)

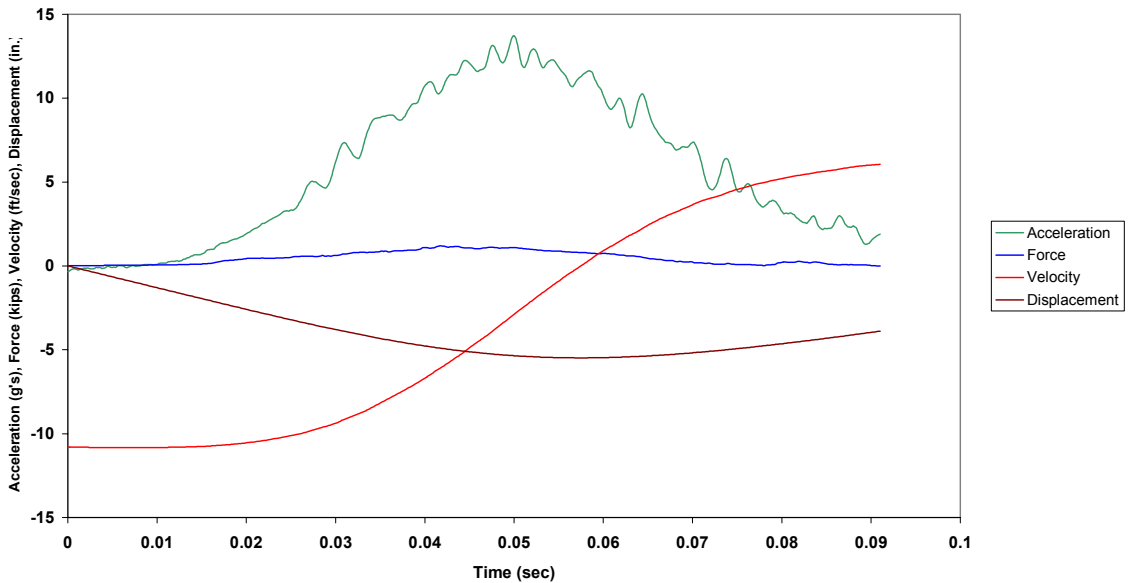


Figure B.240.2 Case 3W: Combined Plot

Case 3W: Precycled 1/2 in. Tenex (45 lb from 61 in.)



Figure B.240.3 Case 3W: Force vs. Velocity

Case 3W: Precycled 1/2 in. Tenex (45 lb from 61 in.)

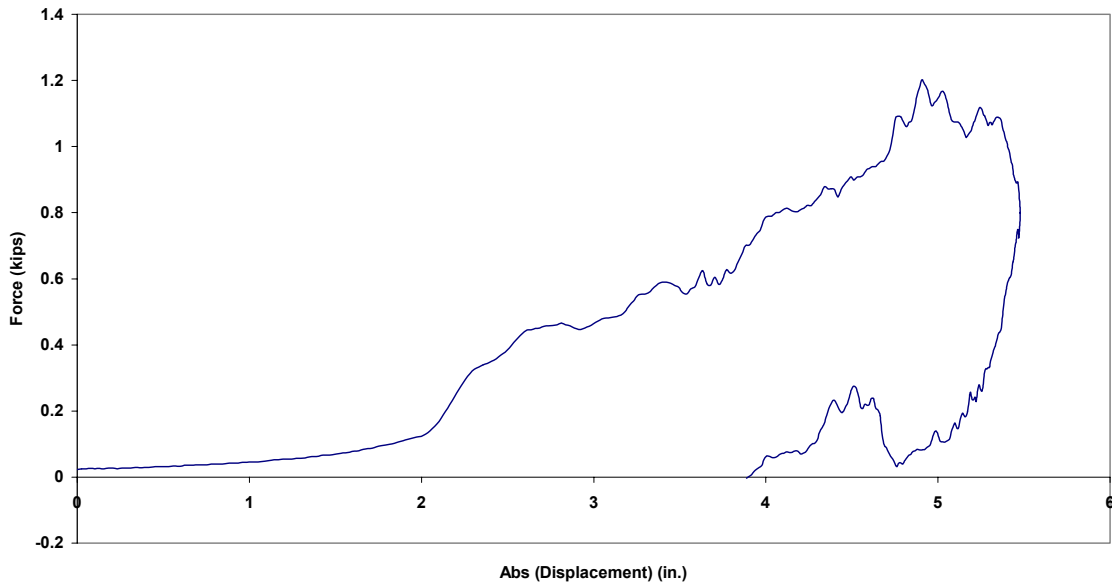


Figure B.240.4 Case 3W: Force vs. Absolute Displacement

Case 1X: New 1/2 in. Tenex (45 lb from 54 in.)

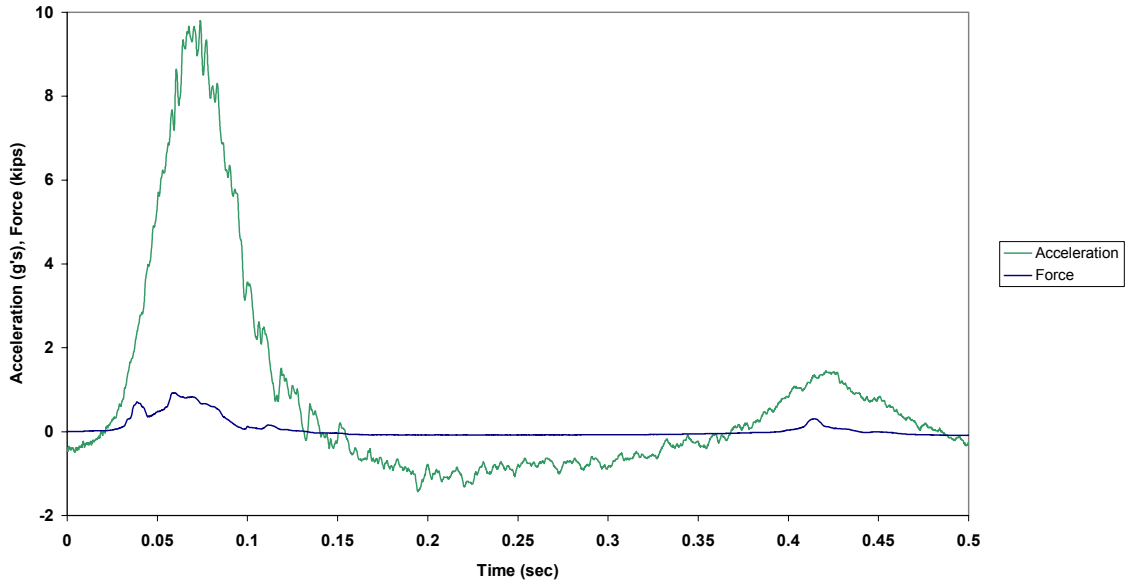


Figure B.241.1 Case 1X: Force and Acceleration vs. Time

Case 1X: New 1/2 in. Tenex (45 lb from 54 in.)

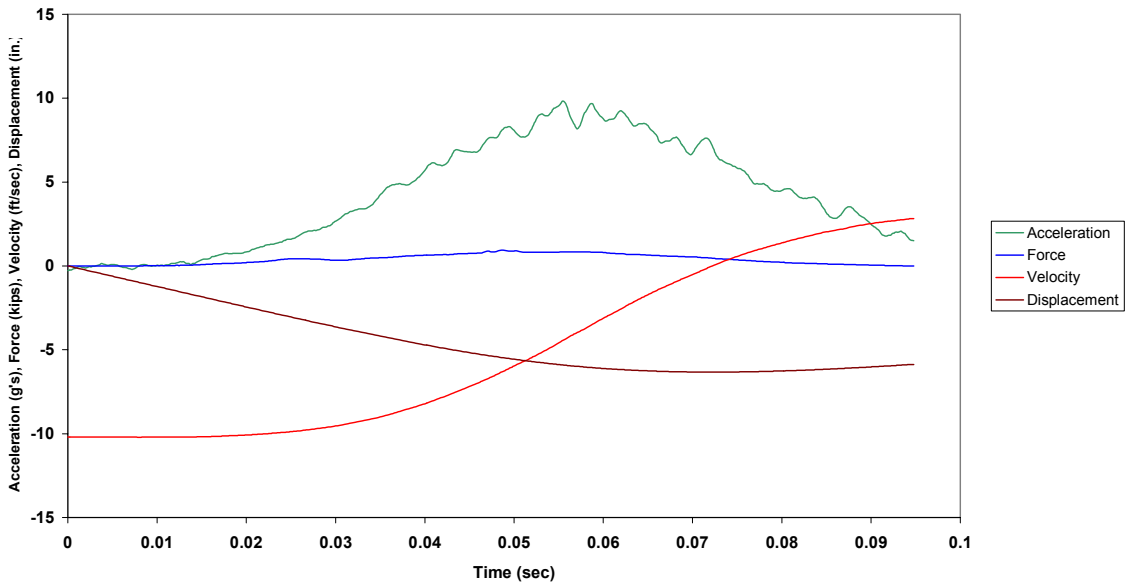


Figure B.241.2 Case 1X: Combined Plot



Case 1X: New 1/2 in. Tenex (45 lb from 54 in.)

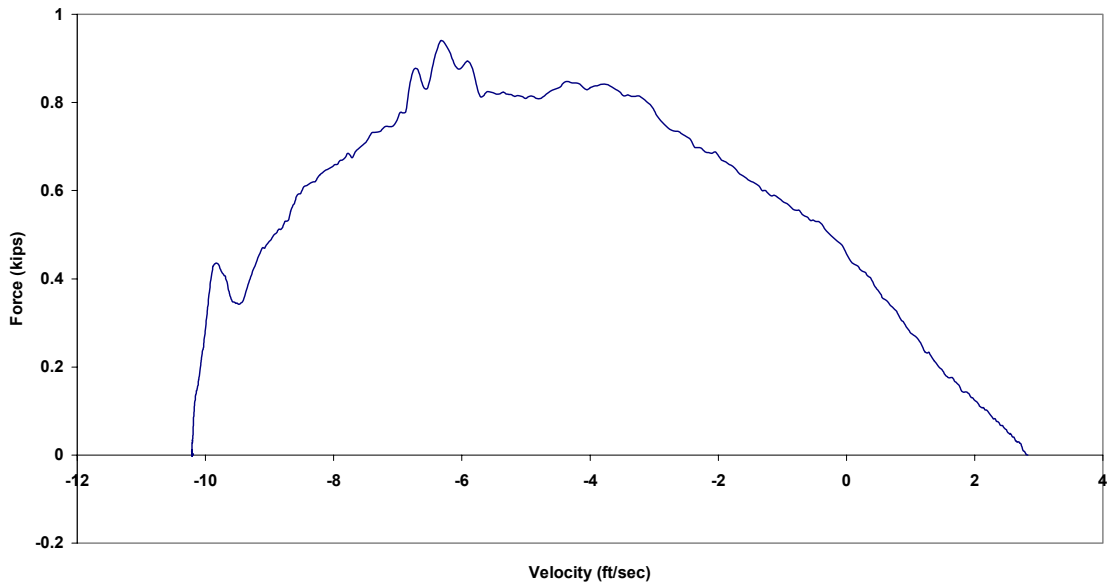


Figure B.241.3 Case 1X: Force vs. Velocity

Case 1X: New 1/2 in. Tenex (45 lb from 54 in.)

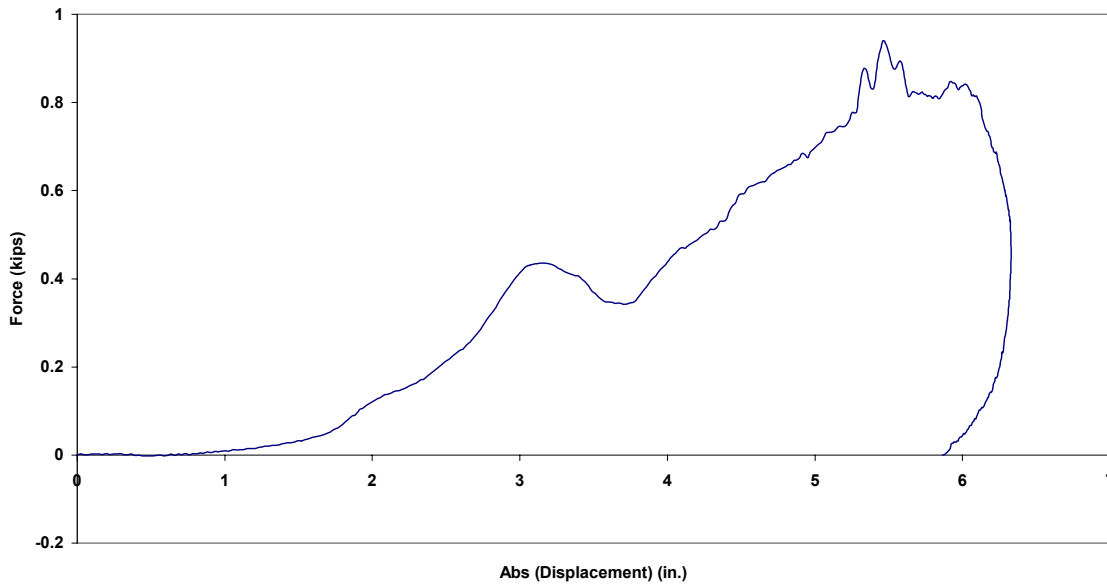


Figure B.241.4 Case 1X: Force vs. Absolute Displacement

Case 2X: New 1/2 in. Tenex (45 lb from 60 in.)

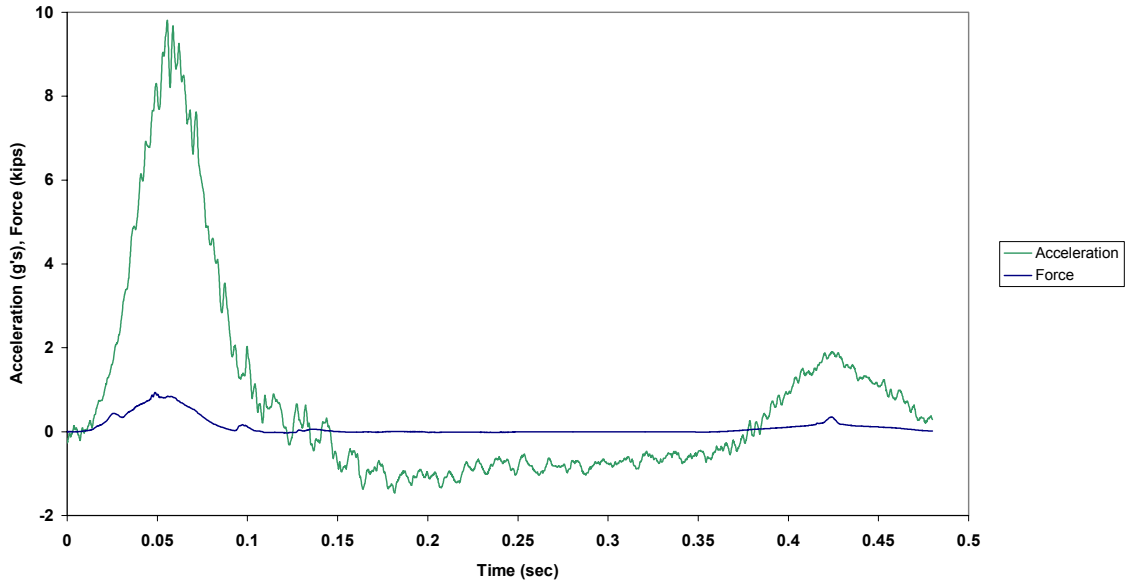


Figure B.242.1 Case 2X: Force and Acceleration vs. Time

Case 2X: New 1/2 in. Tenex (45 lb from 60 in.)

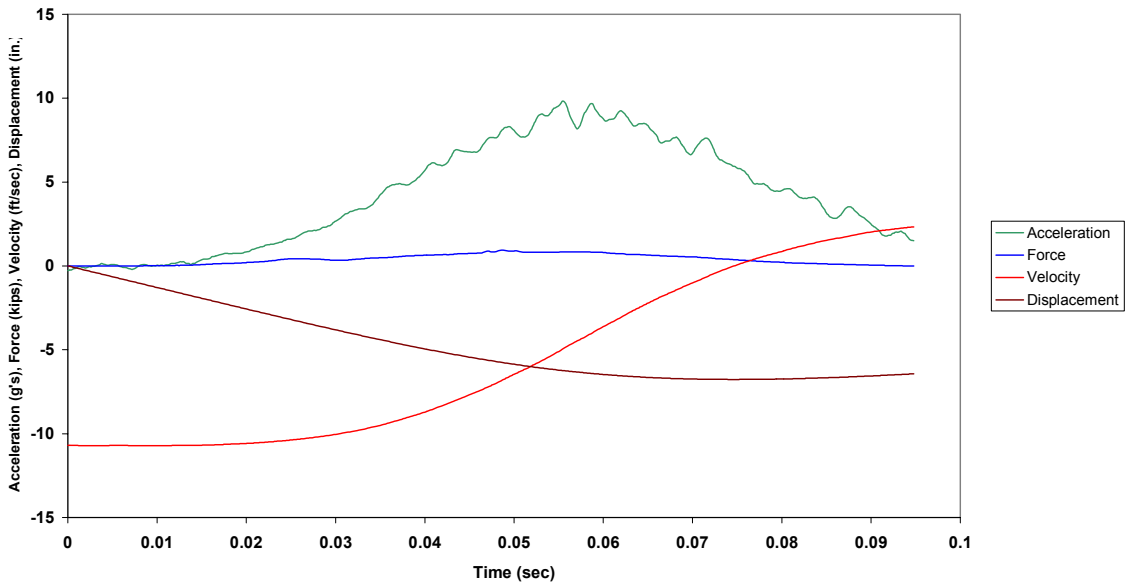


Figure B.242.2 Case 2X: Combined Plot

Case 2X: New 1/2 in. Tenex (45 lb from 60 in.)

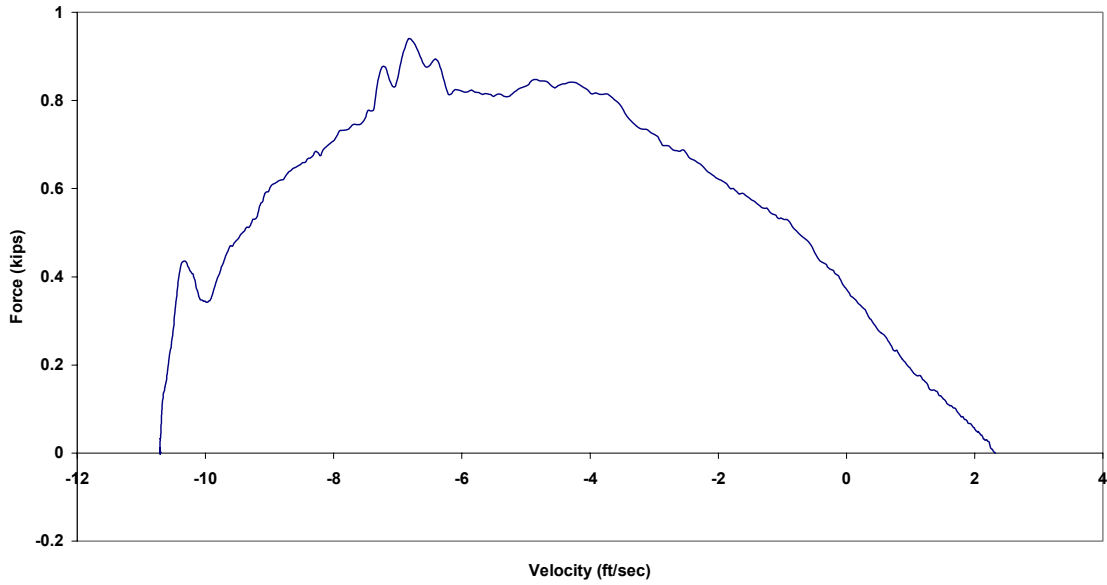


Figure B.242.3 Case 2X: Force vs. Velocity

Case 2X: New 1/2 in. Tenex (45 lb from 60 in.)

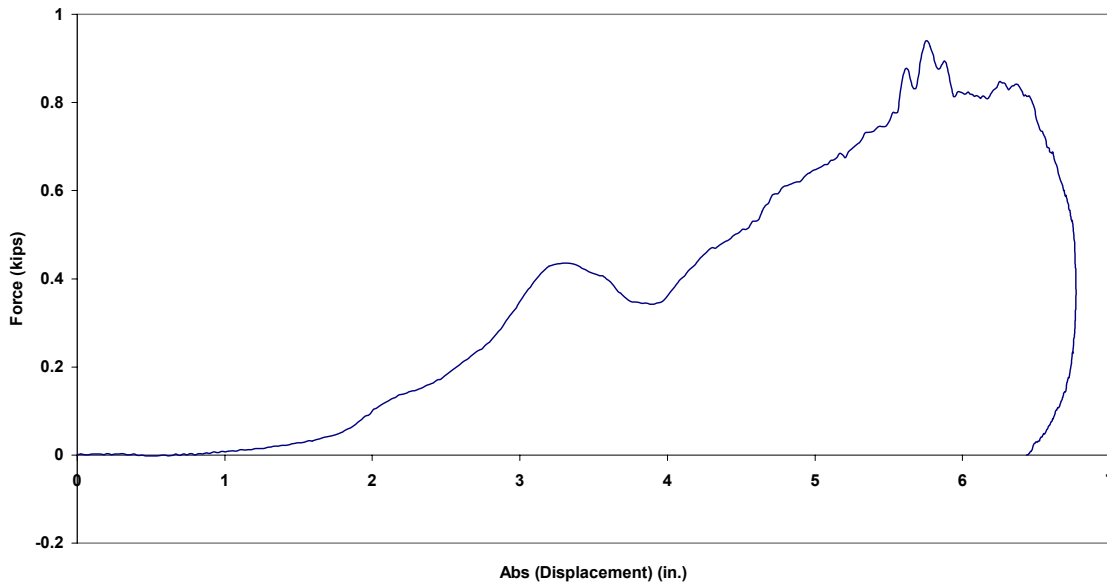


Figure B.242.4 Case 2X: Force vs. Absolute Displacement

Case 3X: New 1/2 in. Tenex (45 lb from 66 in.)

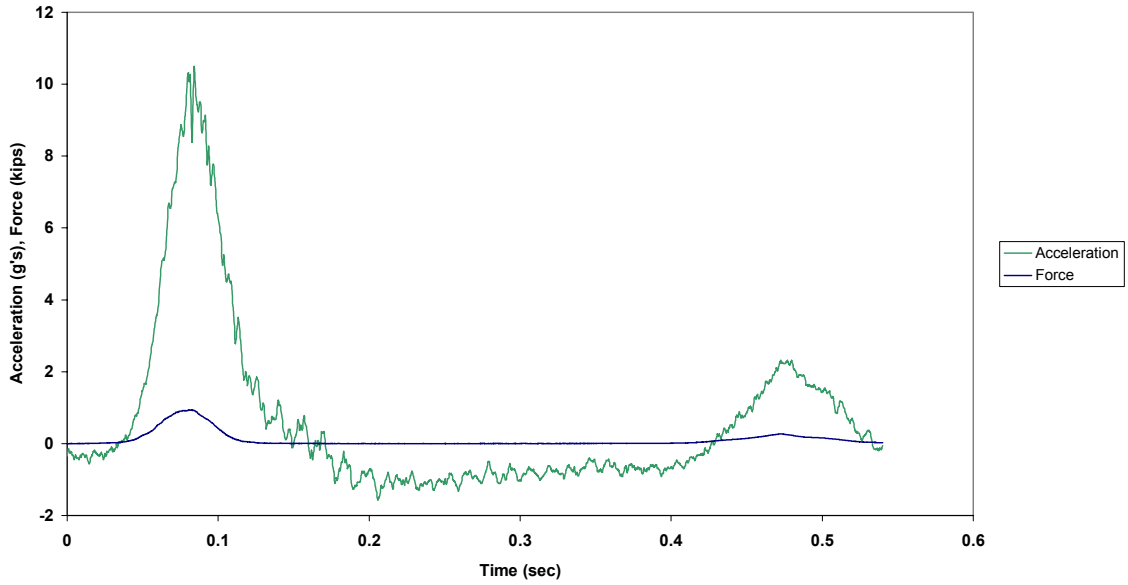


Figure B.243.1 Case 3X: Force and Acceleration vs. Time

Case 3X: New 1/2 in. Tenex (45 lb from 66 in.)

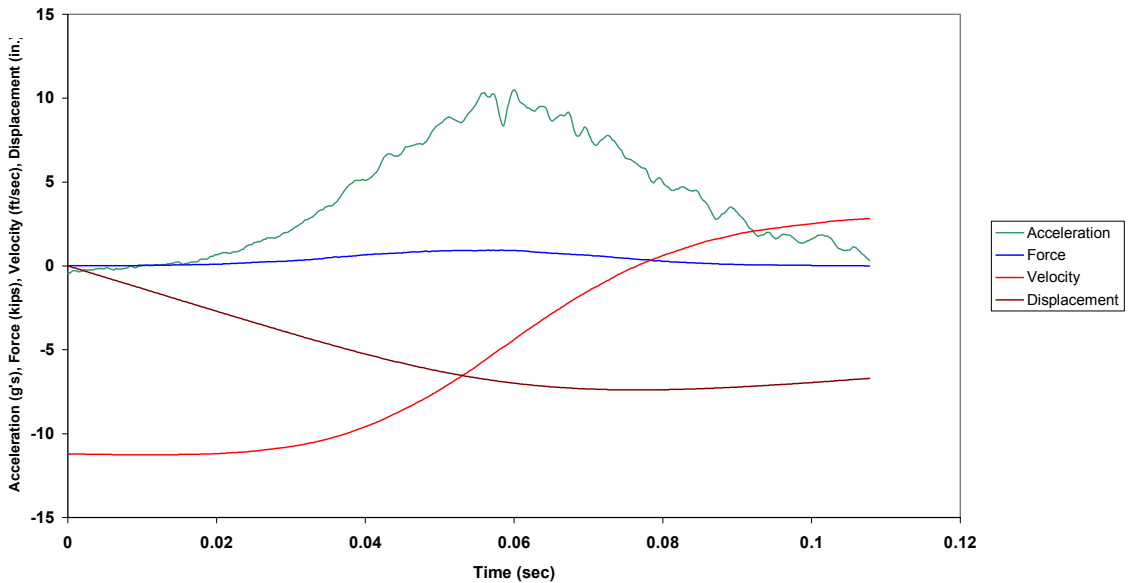


Figure B.243.2 Case 3X: Combined Plot

Case 3X: New 1/2 in. Tenex (45 lb from 66 in.)

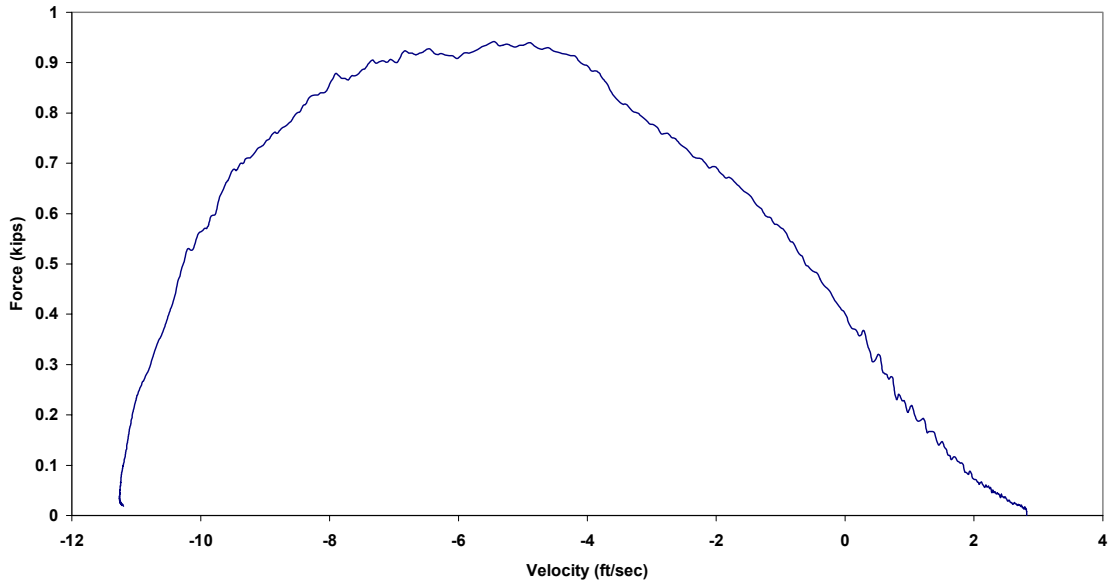


Figure B.243.3 Case 3X: Force vs. Velocity

Case 3X: New 1/2 in. Tenex (45 lb from 66 in.)

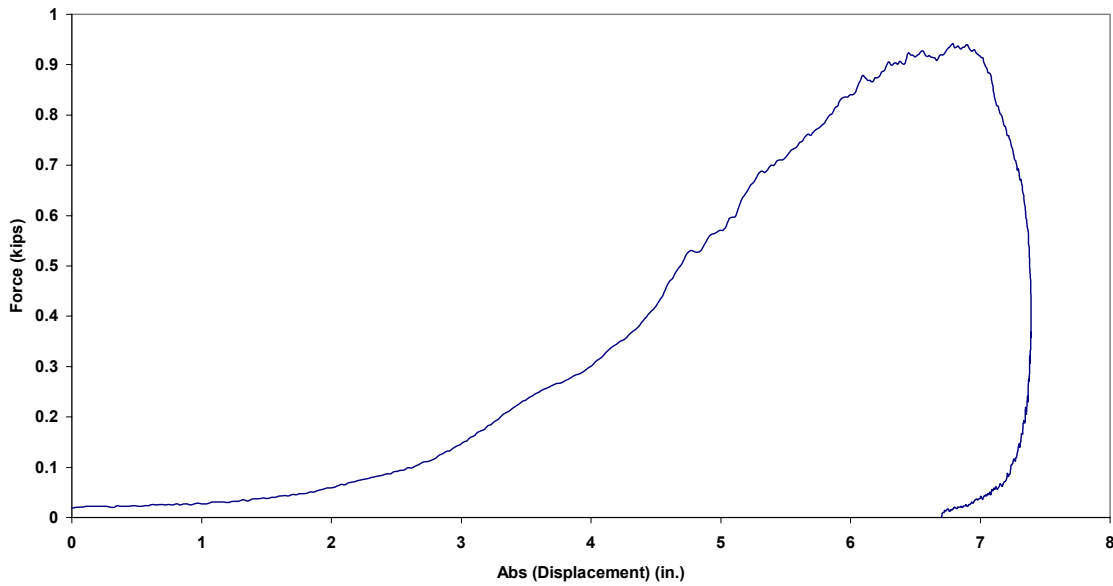


Figure B.243.4 Case 3X: Force vs. Absolute Displacement

Case 4X: New 1/2 in. Tenex (45 lb from 72 in.)

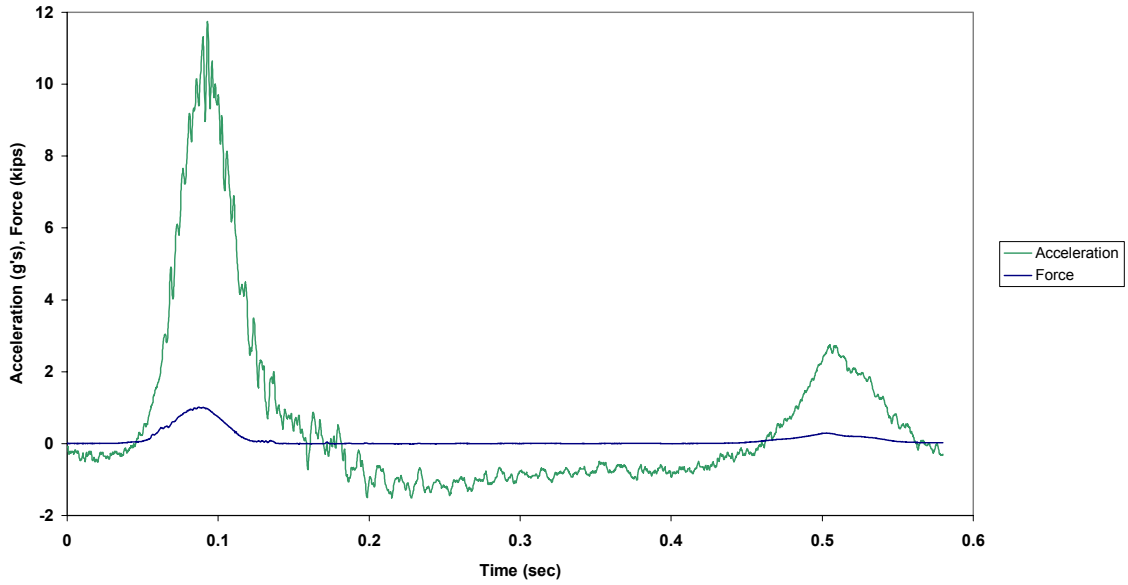


Figure B.244.1 Case 4X: Force and Acceleration vs. Time

Case 4X: New 1/2 in. Tenex (45 lb from 72 in.)

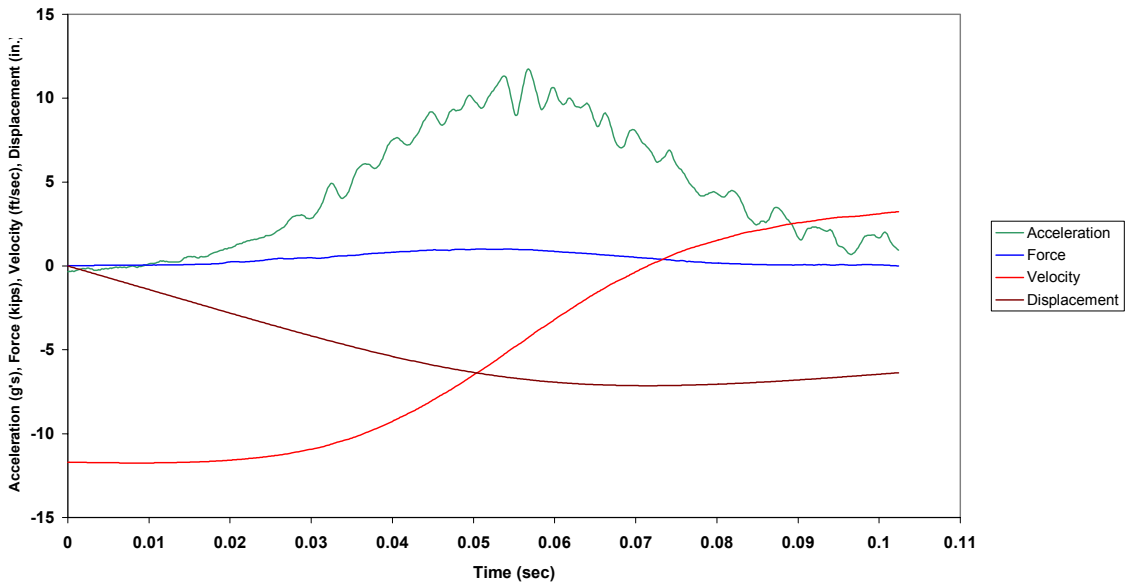


Figure B.244.2 Case 4X: Combined Plot

Case 4X: New 1/2 in. Tenex (45 lb from 72 in.)

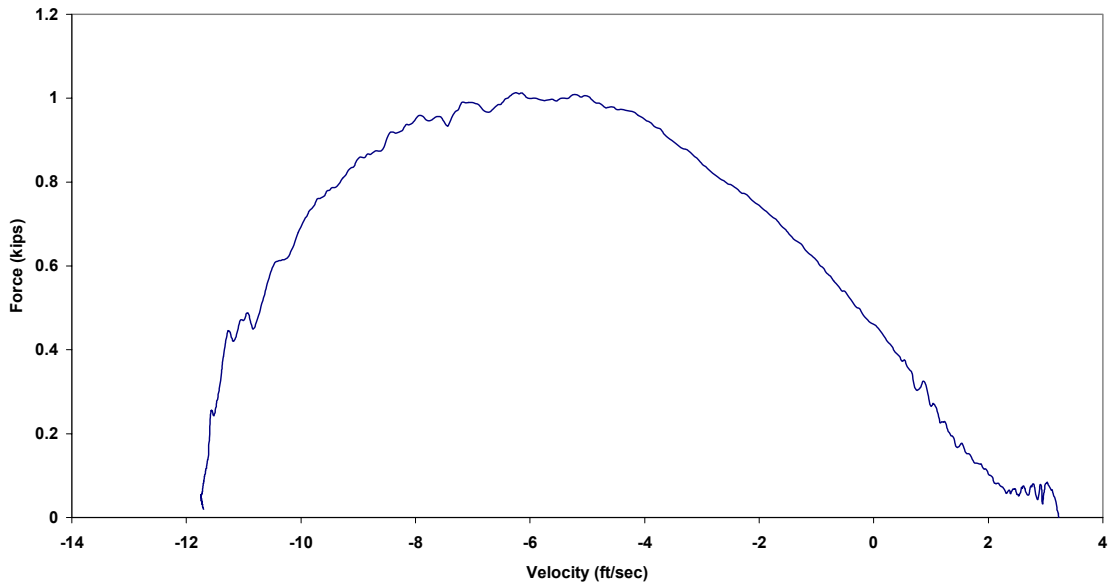


Figure B.244.3 Case 4X: Force vs. Velocity

Case 4X: New 1/2 in. Tenex (45 lb from 72 in.)

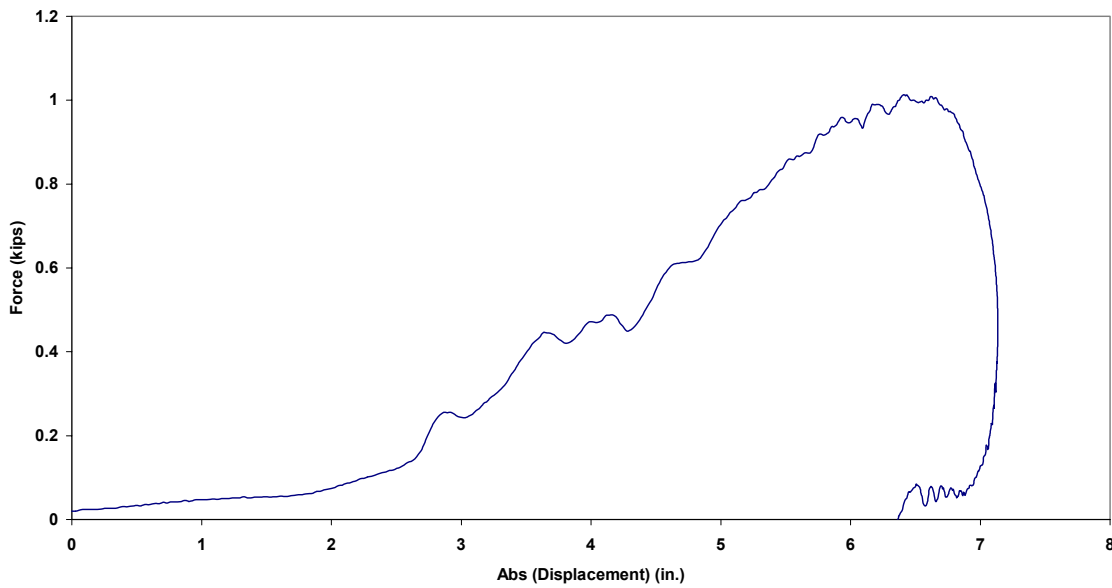


Figure B.244.4 Case 4X: Force vs. Absolute Displacement

Case 5X: New 1/2 in. Tenex (45 lb from 78 in.)

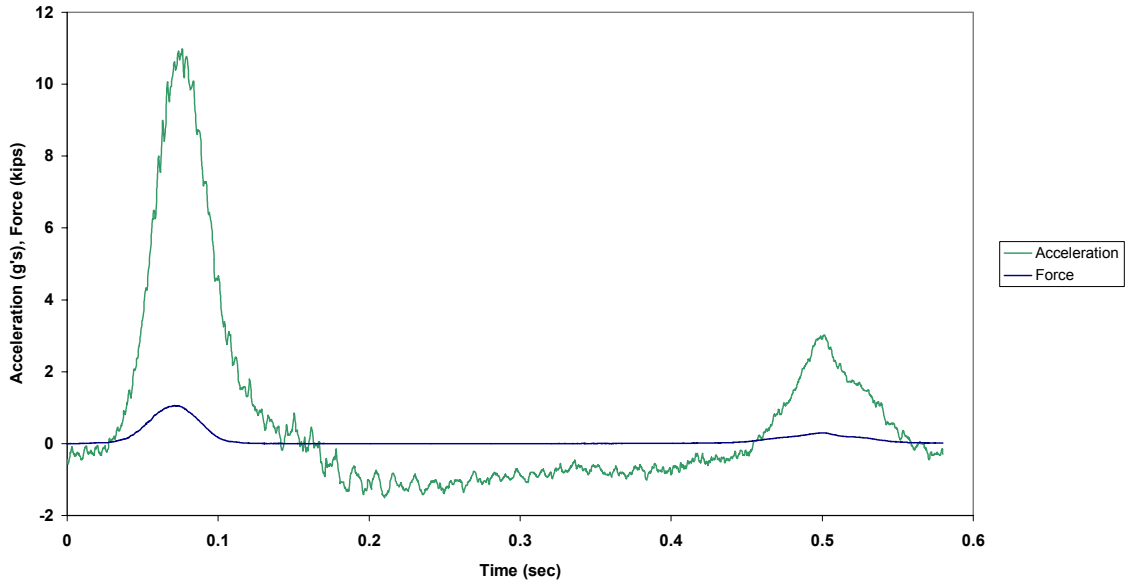


Figure B.245.1 Case 5X: Force and Acceleration vs. Time

Case 5X: New 1/2 in. Tenex (45 lb from 78 in.)

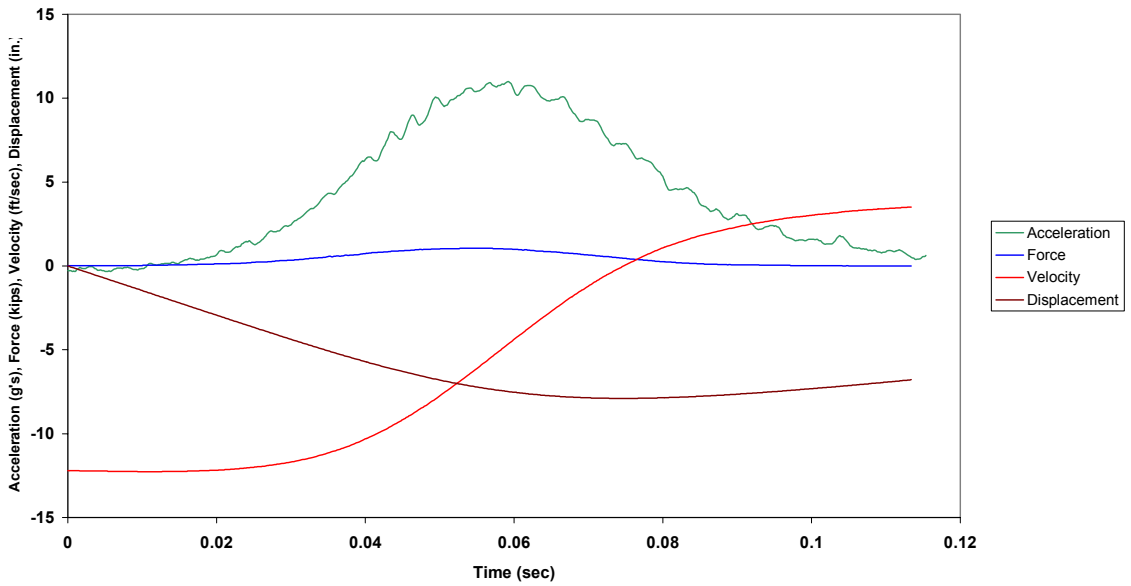


Figure B.245.2 Case 5X: Combined Plot



Case 5X: New 1/2 in. Tenex (45 lb from 78 in.)

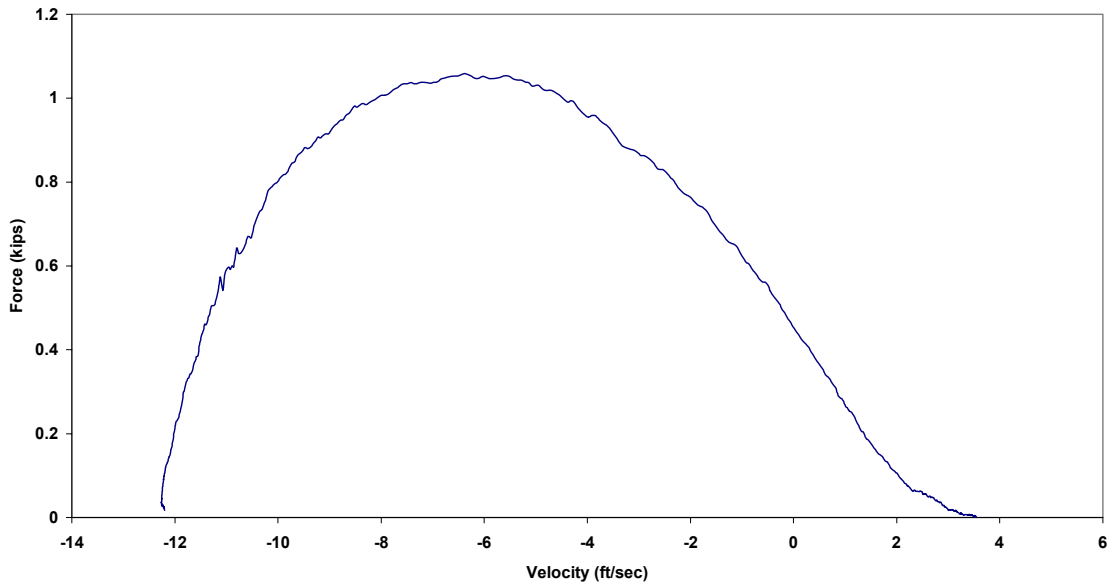


Figure B.245.3 Case 5X: Force vs. Velocity

Case 5X: New 1/2 in. Tenex (45 lb from 78 in.)

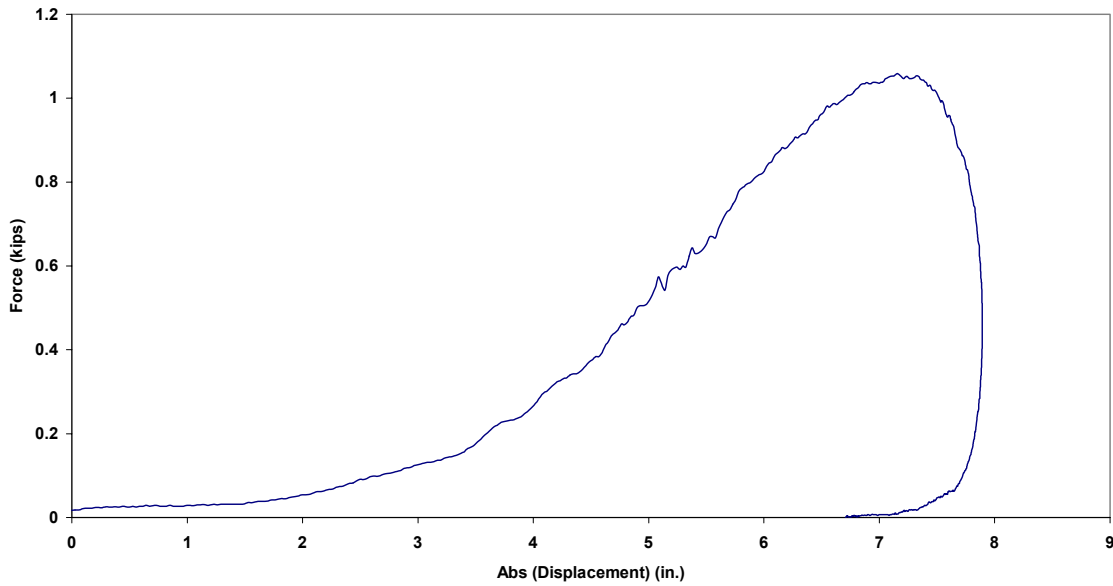


Figure B.245.4 Case 5X: Force vs. Absolute Displacement

Case 1Y: New 3/8 in. Tenex (45 lb from 55 in.)

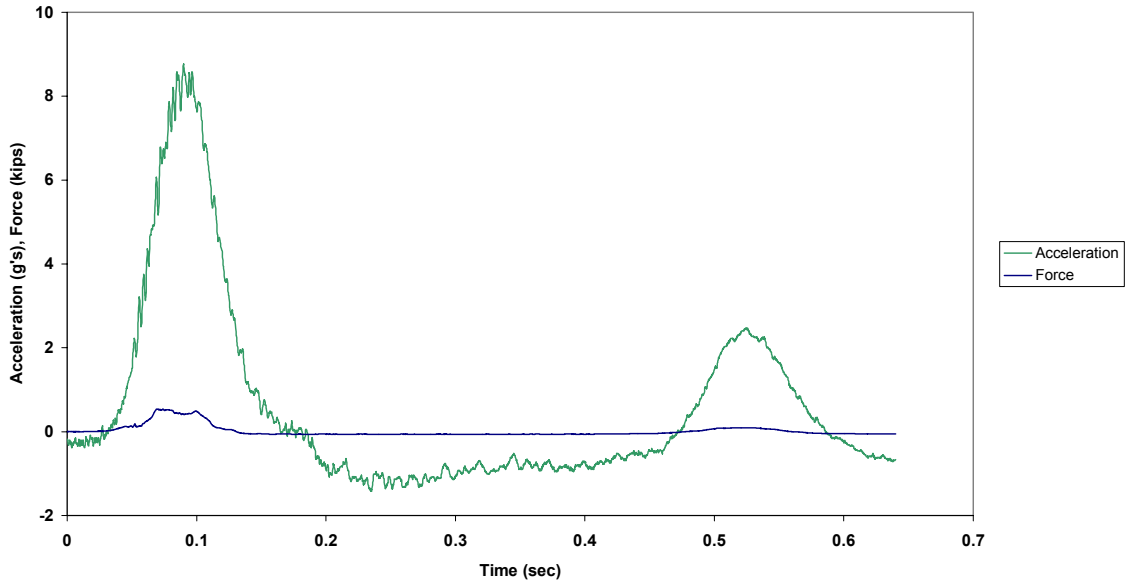


Figure B.246.1 Case 1Y: Force and Acceleration vs. Time

Case 1Y: New 3/8 in. Tenex (45 lb from 55 in.)

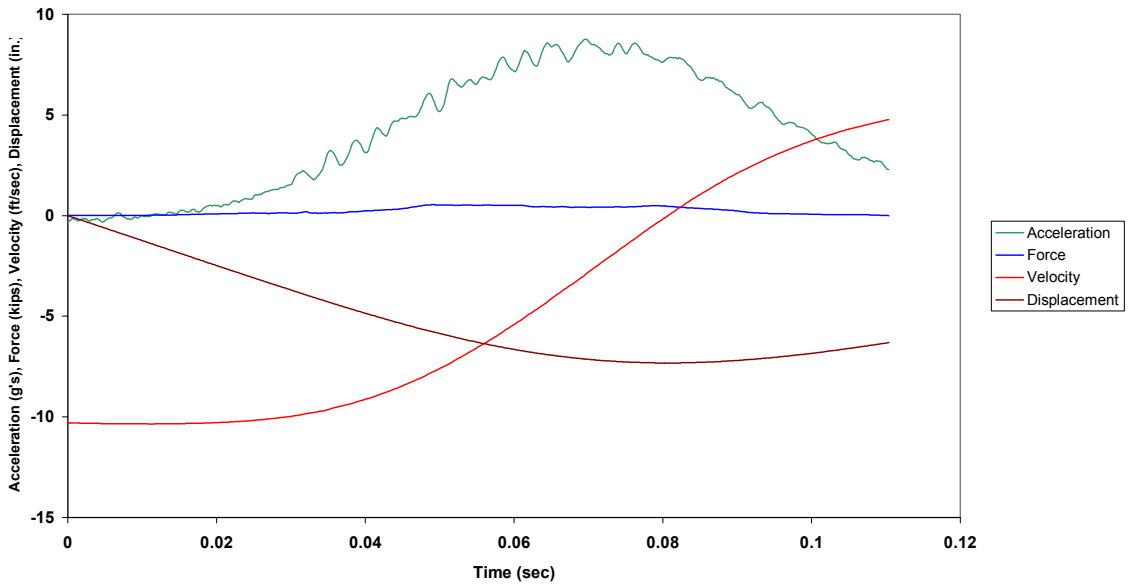


Figure B.246.2 Case 1Y: Combined Plot

Case 1Y: New 3/8 in. Tenex (45 lb from 55 in.)

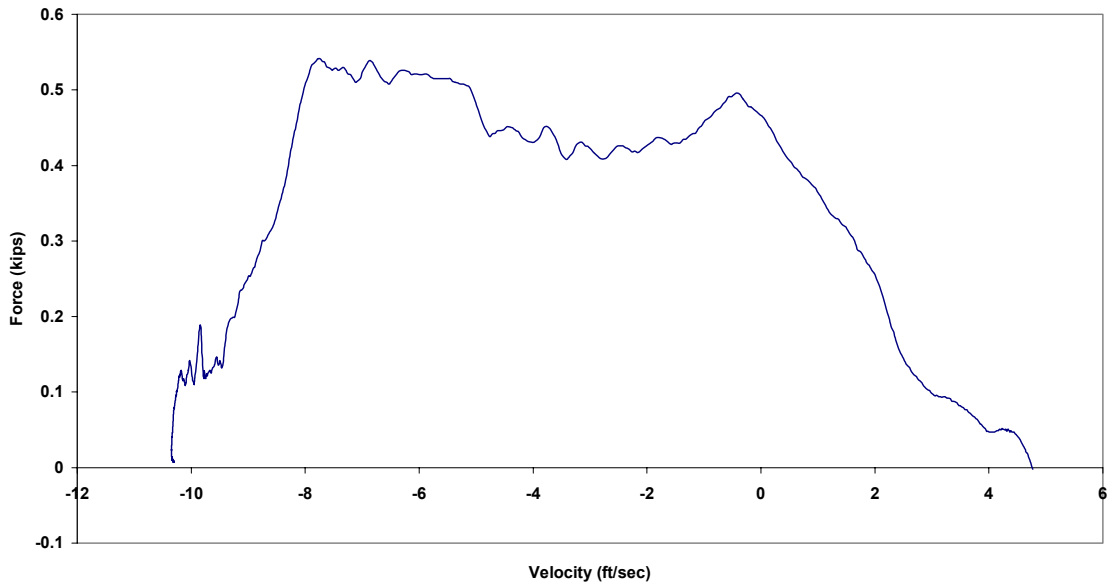


Figure B.246.3 Case 1Y: Force vs. Velocity

Case 1Y: New 3/8 in. Tenex (45 lb from 55 in.)



Figure B.246.4 Case 1Y: Force vs. Absolute Displacement

Case 2Y: New 3/8 in. Tenex (45 lb from 61 in.)

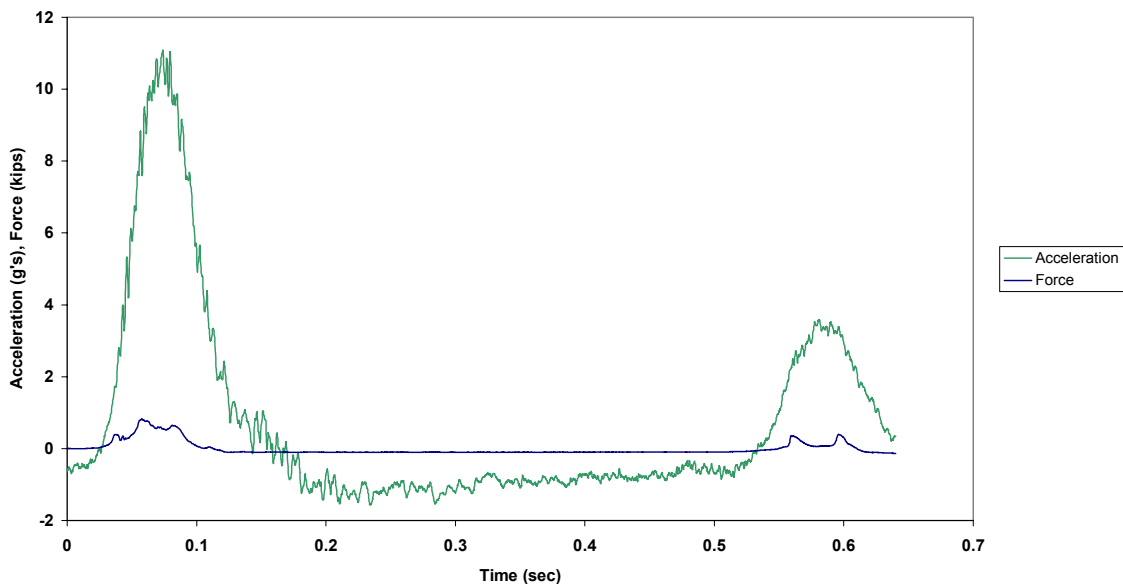


Figure B.247.1 Case 2Y: Force and Acceleration vs. Time

Case 2Y: New 3/8 in. Tenex (45 lb from 61 in.)

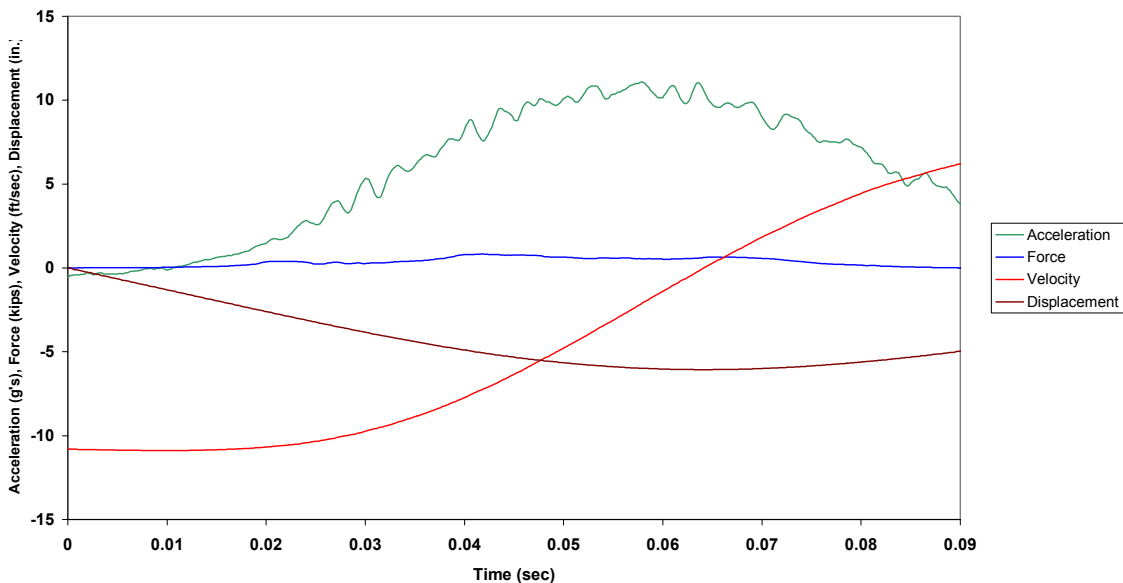


Figure B.247.2 Case 2Y: Combined Plot

Case 2Y: New 3/8 in. Tenex (45 lb from 61 in.)

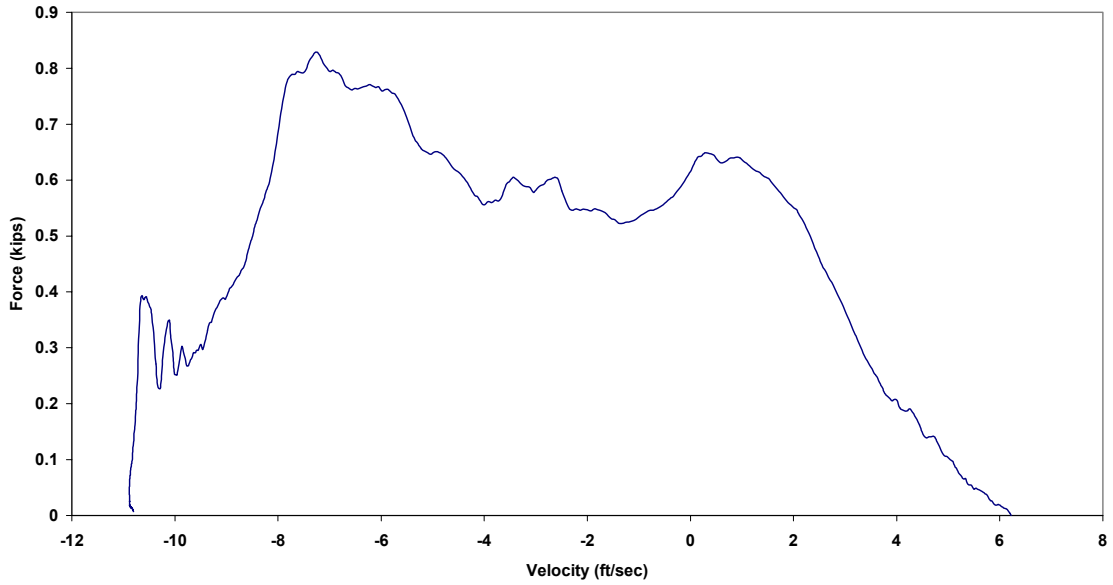


Figure B.247.3 Case 2Y: Force vs. Velocity

Case 2Y: New 3/8 in. Tenex (45 lb from 61 in.)

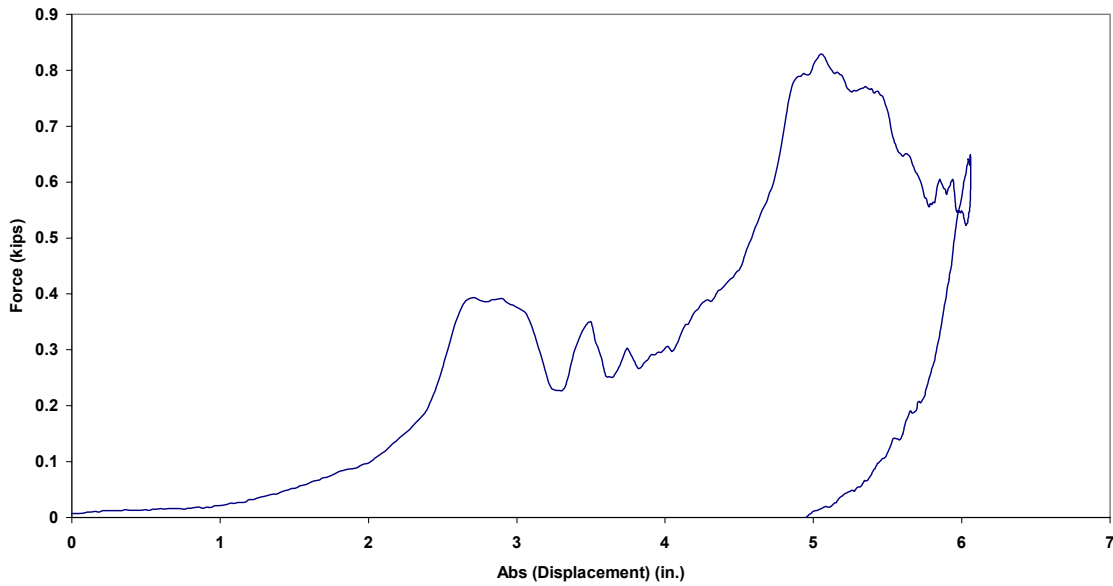


Figure B.247.4 Case 2Y: Force vs. Absolute Displacement

Case 1Z: Precycled 3/8 in. Tenex (45 lb from 54 in.)

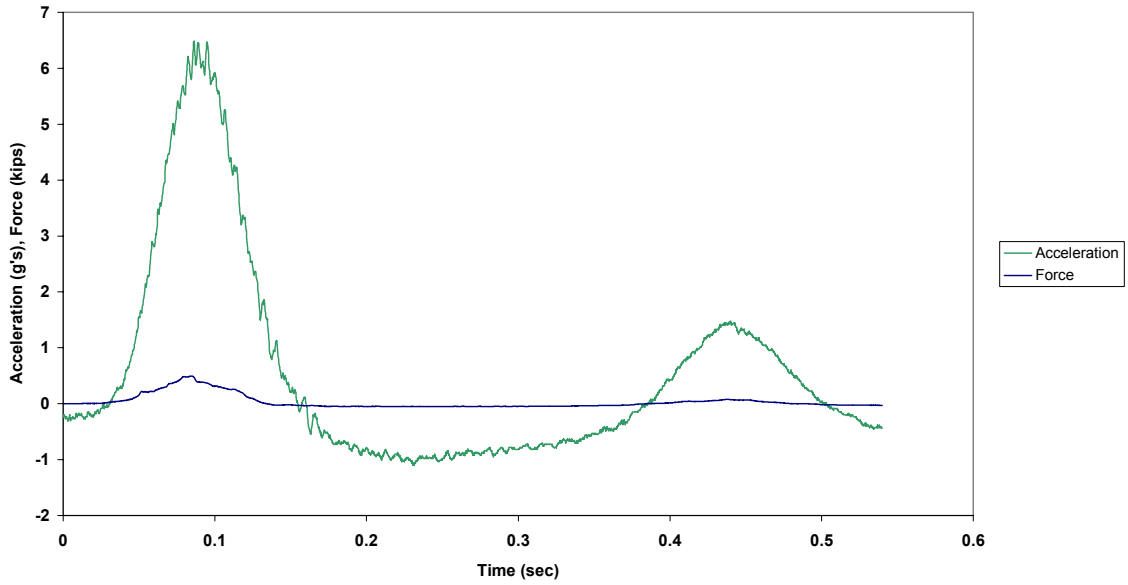


Figure B.248.1 Case 1Z: Force and Acceleration vs. Time

Case 1Z: Precycled 3/8 in. Tenex (45 lb from 54 in.)

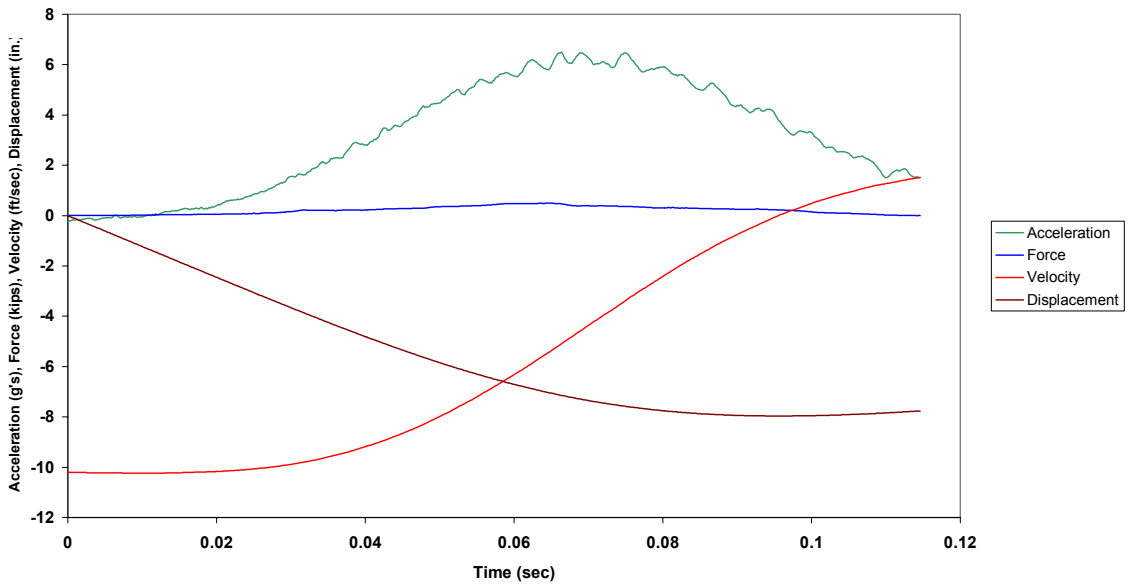


Figure B.248.2 Case 1Z: Combined Plot

Case 1Z: Precycled 3/8 in. Tenex (45 lb from 54 in.)

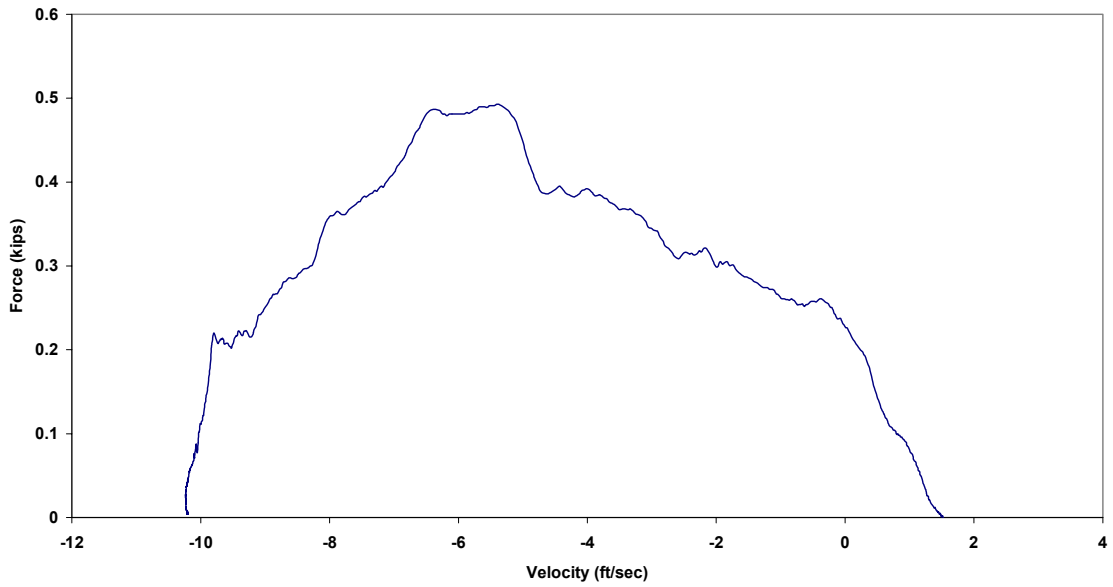


Figure B.248.3 Case 1Z: Force vs. Velocity

Case 1Z: Precycled 3/8 in. Tenex (45 lb from 54 in.)

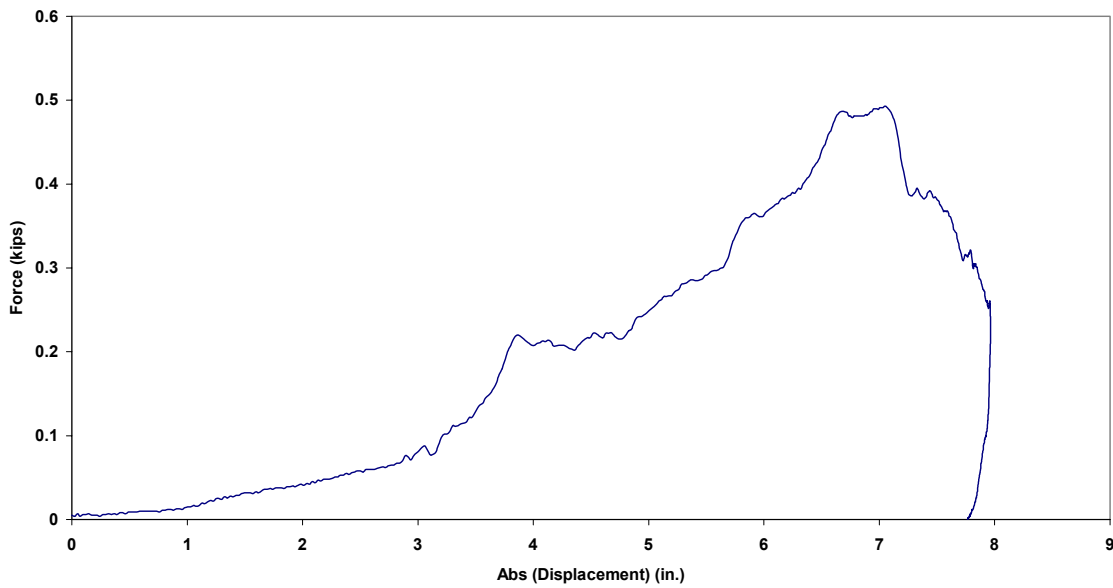


Figure B.248.4 Case 1Z: Force vs. Absolute Displacement

Case 2Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

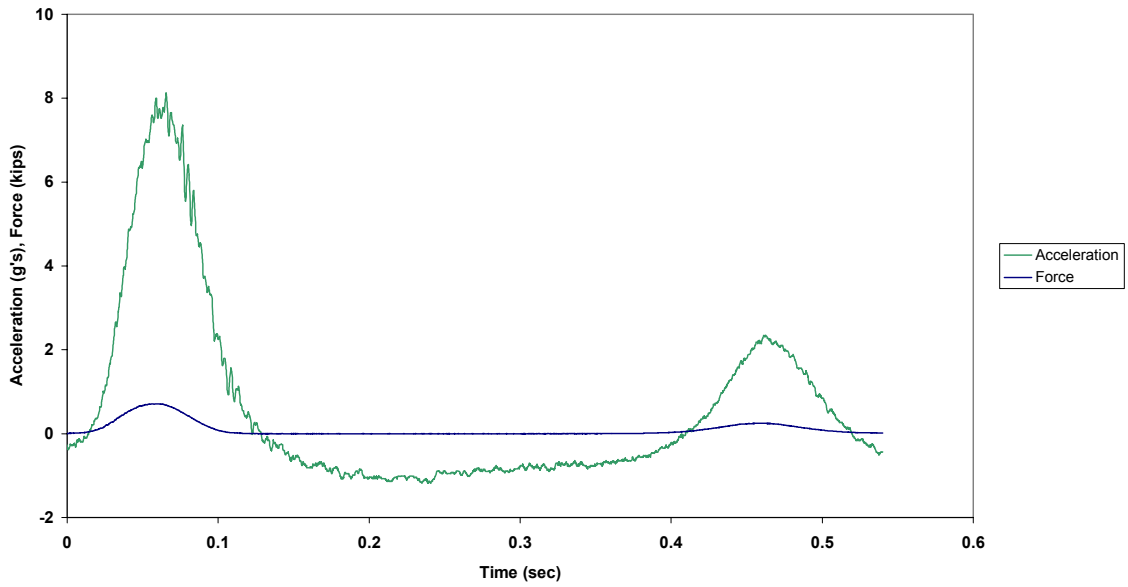


Figure B.249.1 Case 2Z: Force and Acceleration vs. Time

Case 2Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

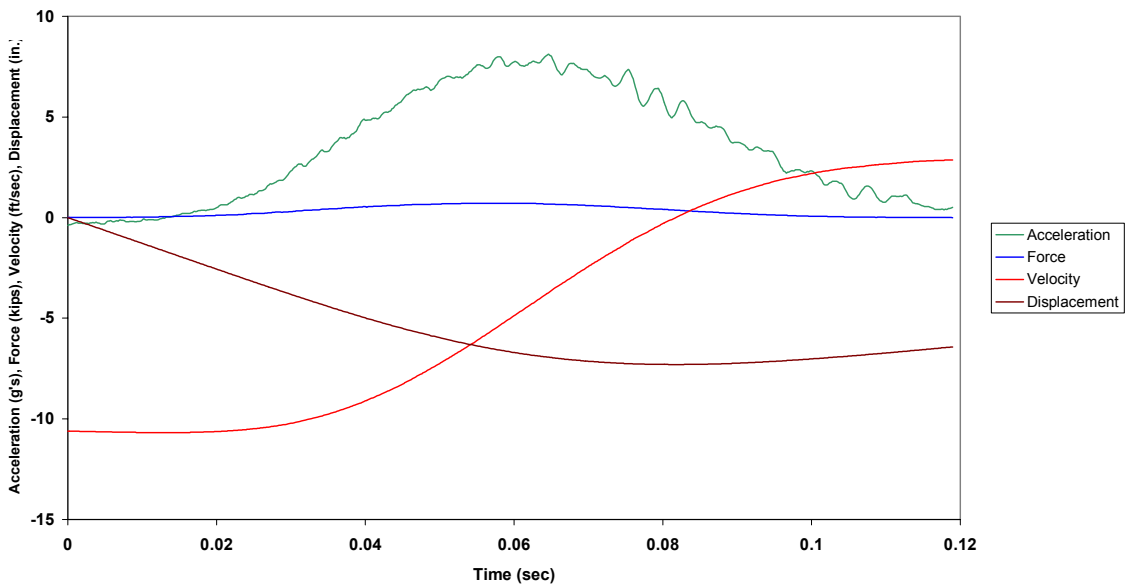


Figure B.249.2 Case 2Z: Combined Plot



Case 2Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

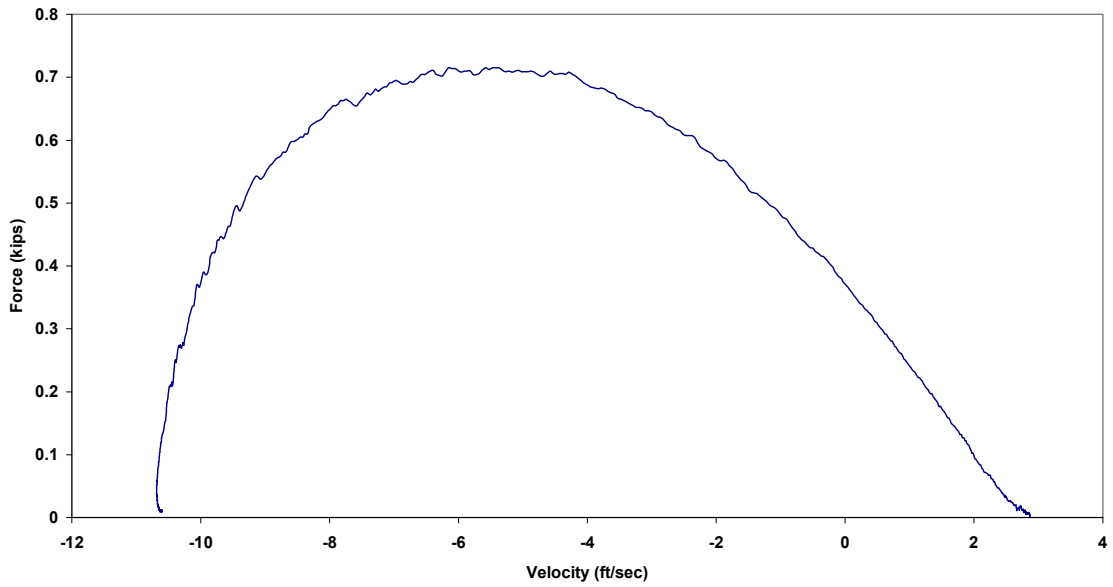


Figure B.249.3 Case 2Z: Force vs. Velocity

Case 2Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

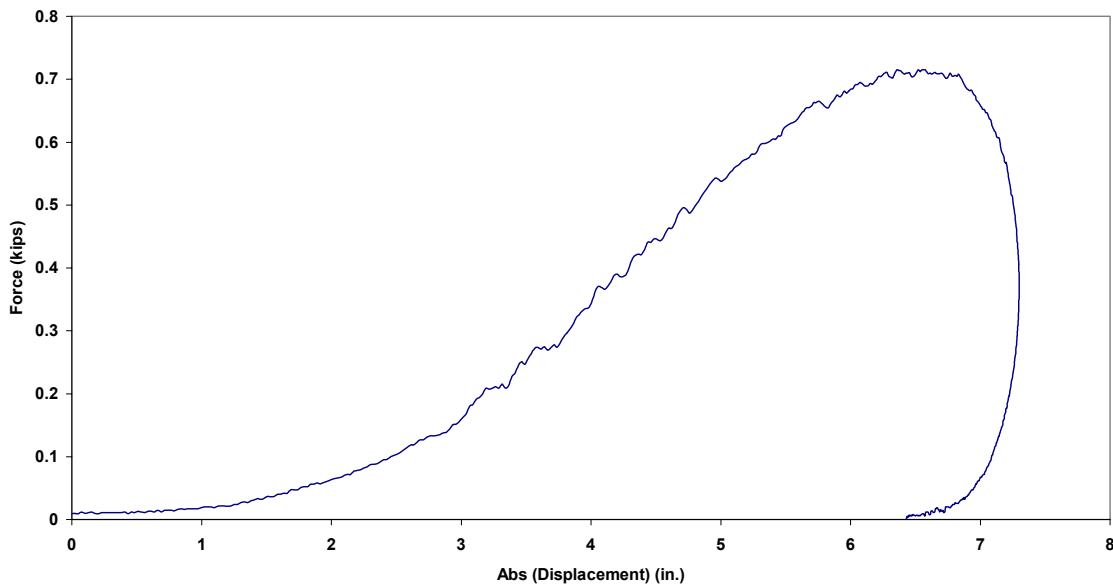


Figure B.249.4 Case 2Z: Force vs. Absolute Displacement

Case 3Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

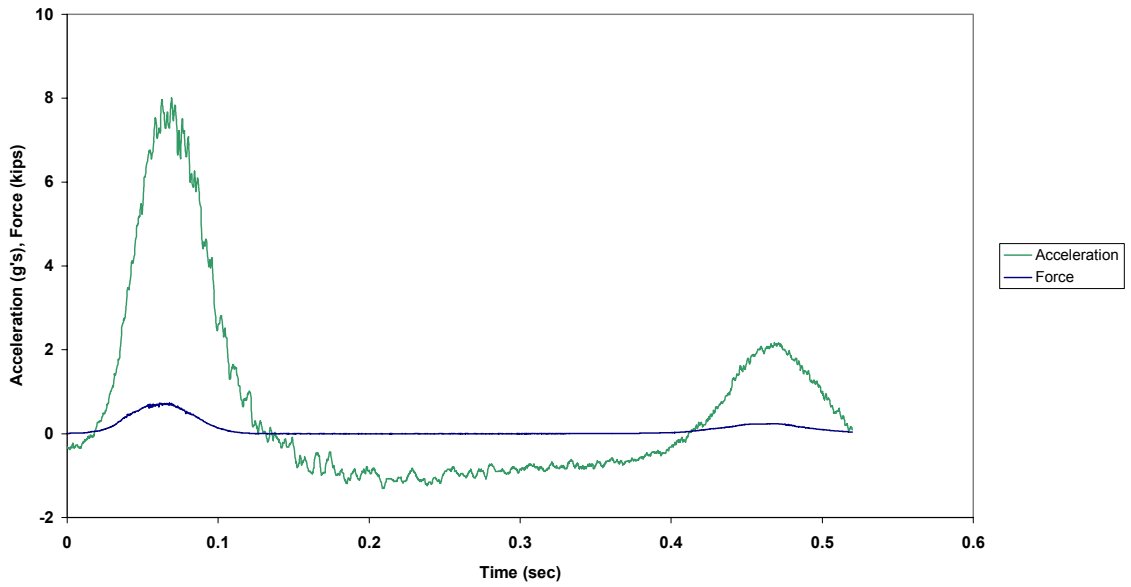


Figure B.250.1 Case 3Z: Force and Acceleration vs. Time

Case 3Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

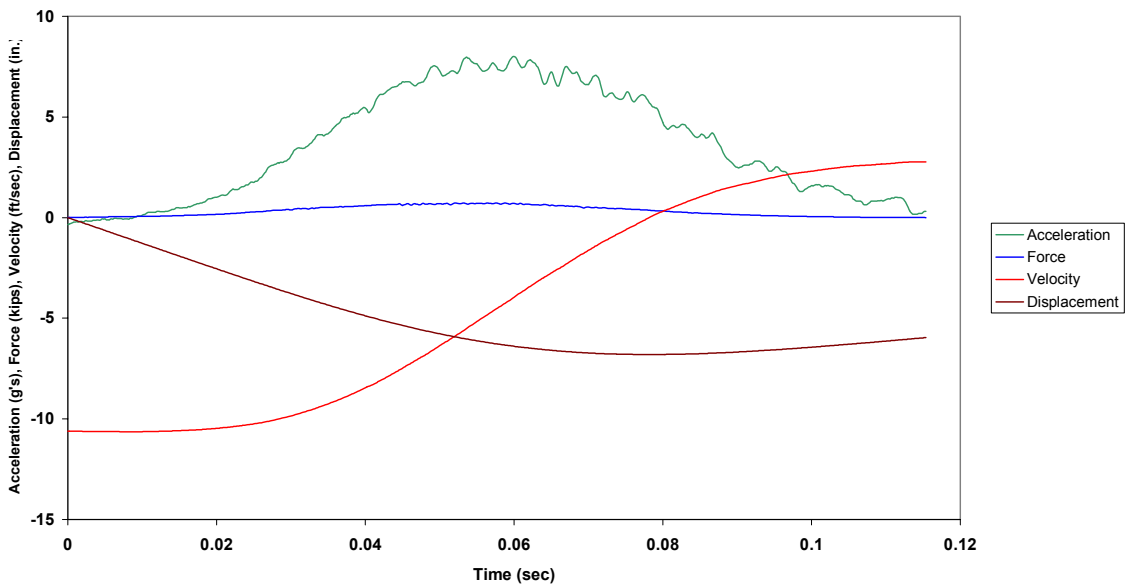


Figure B.250.2 Case 3Z: Combined Plot

Case 3Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

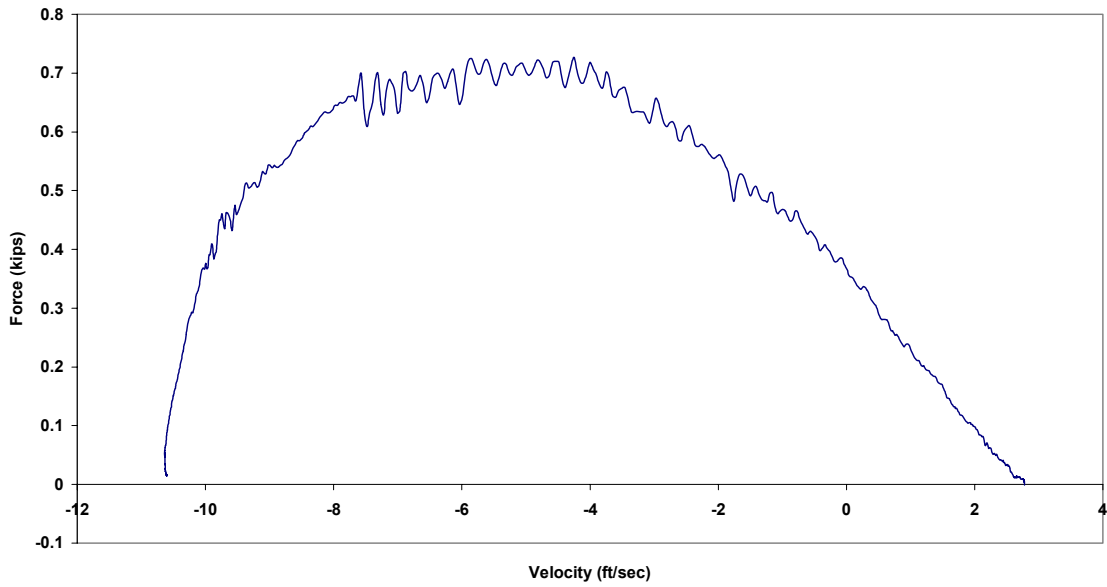


Figure B.250.3 Case 3Z: Force vs. Velocity

Case 3Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

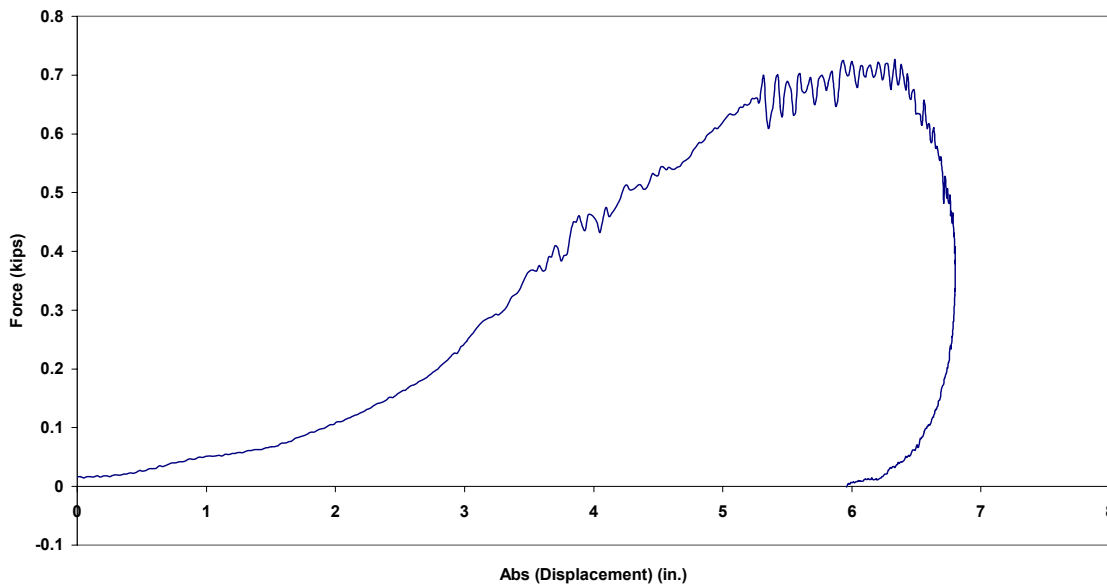


Figure B.250.4 Case 3Z: Force vs. Absolute Displacement

Case 4Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

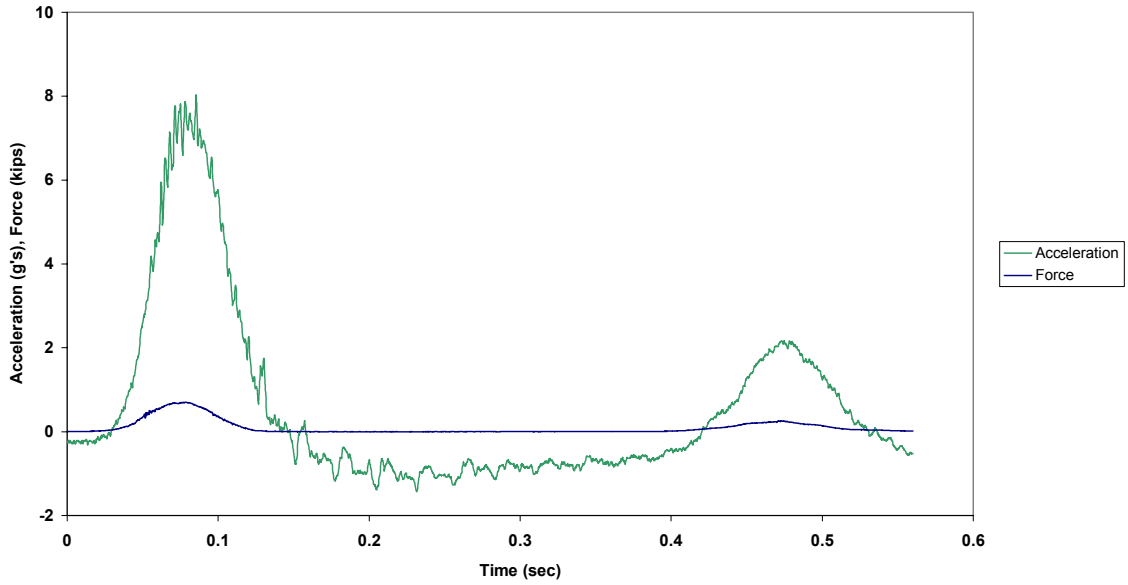


Figure B.251.1 Case 4Z: Force and Acceleration vs. Time

Case 4Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

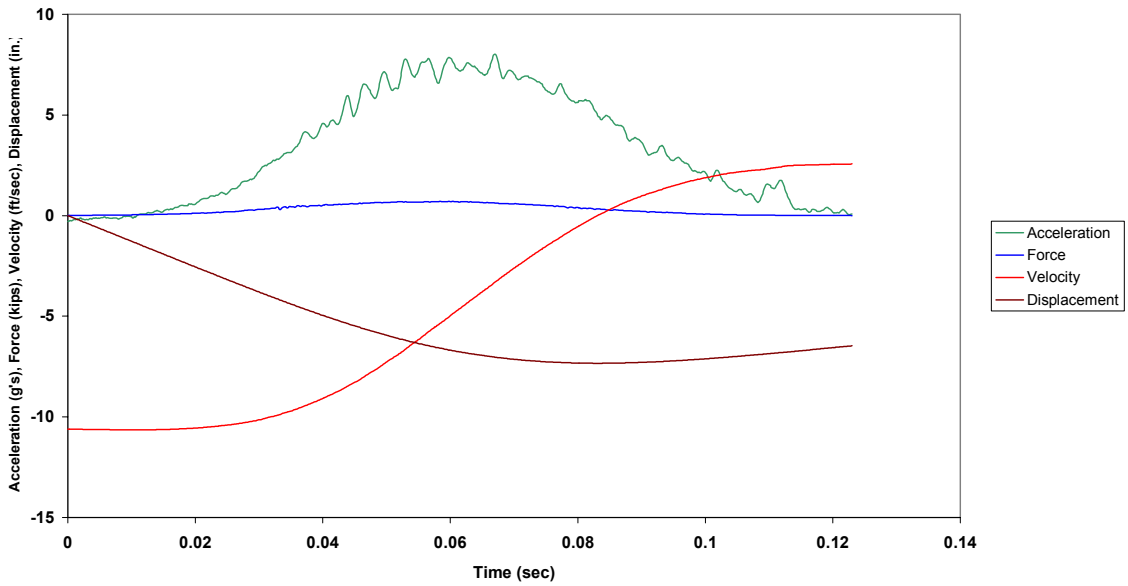


Figure B.251.2 Case 4Z: Combined Plot

Case 4Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

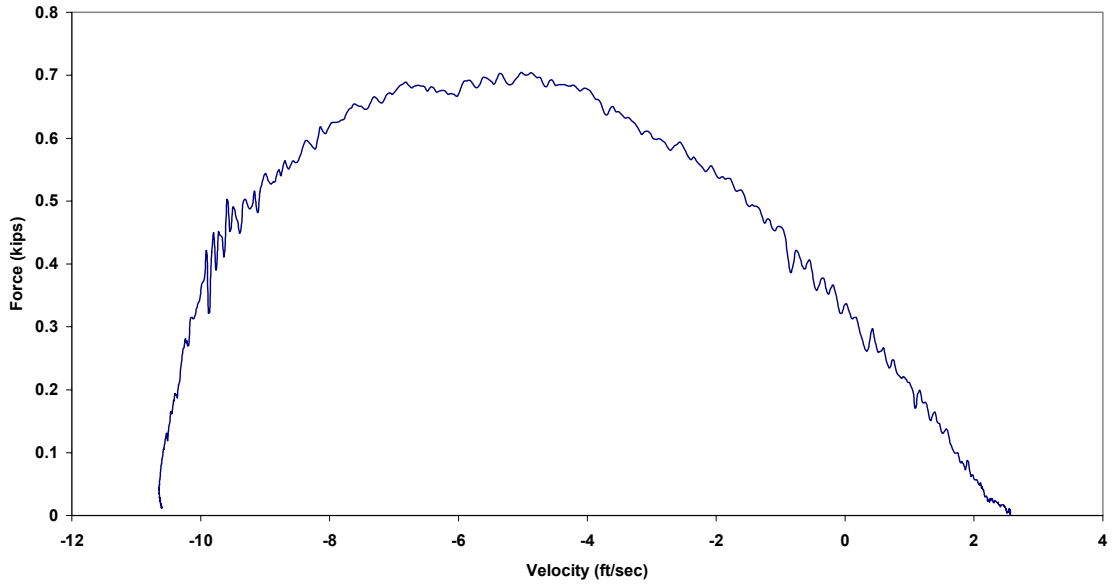


Figure B.251.3 Case 4Z: Force vs. Velocity

Case 4Z: Precycled 3/8 in. Tenex (45 lb from 59 in.)

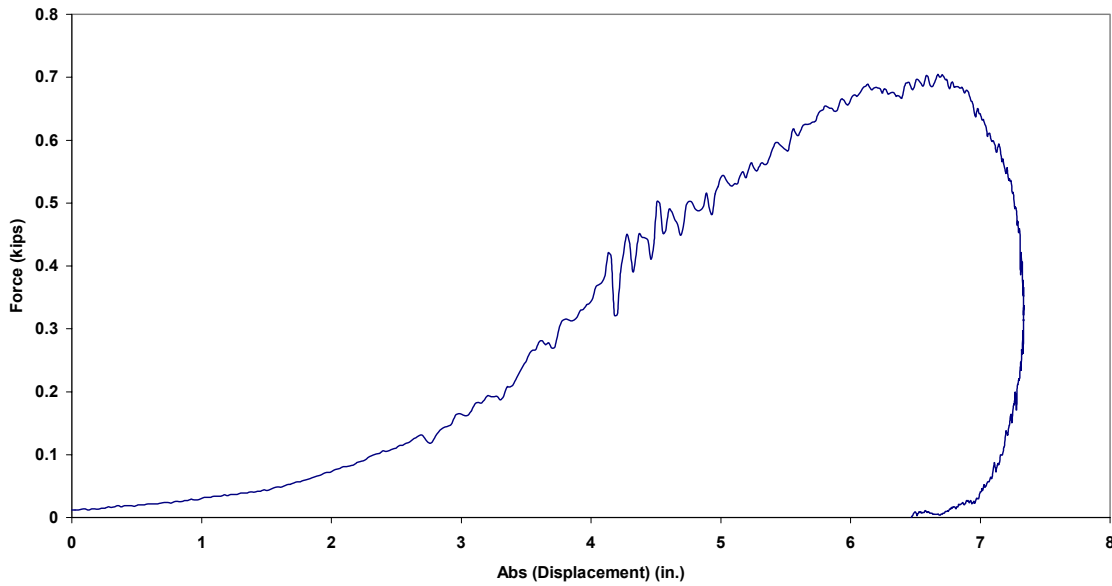


Figure B.251.4 Case 4Z: Force vs. Absolute Displacement

<b>3/4-inch SSR 1200 (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1AA	1	96	65
Test 2AA	2	90	65
Test 3AA	3	84	65
Test 4AA	4	78	65
Test 5AA	5	72	65
Test 6AA	6	66	65
Test Sequence Two			
Test 7AA	7	59	85
Test 8AA	8	71	85

Table B.10.1 Test Sequence for 3/4 in. SSR 1200 (Precycled)

<b>3/4-inch SSR 1200 (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1BB	1	96	65
Test 2BB	2	90	65

Table B.10.2 Test Sequence for 3/4 in. SSR 1200 (New)

Case 1AA: Precycled 3/4 in. SSR 1200 (65 lb from 96 in.)

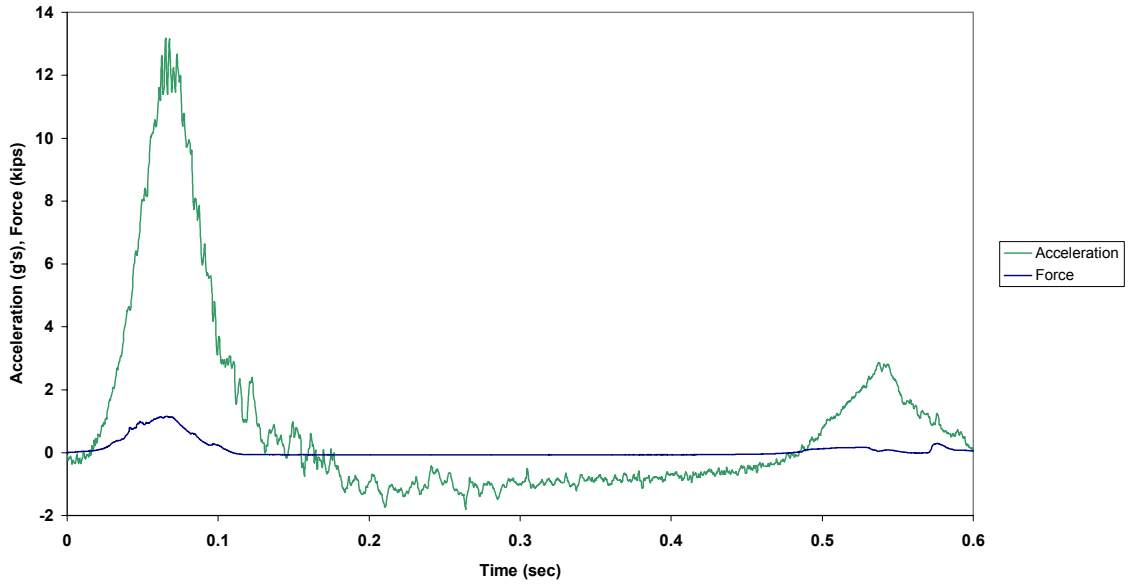


Figure B.252.1 Case 1AA: Force and Acceleration vs. Time

Case 1AA: Precycled 3/4 in. SSR 1200 (65 lb from 96 in.)

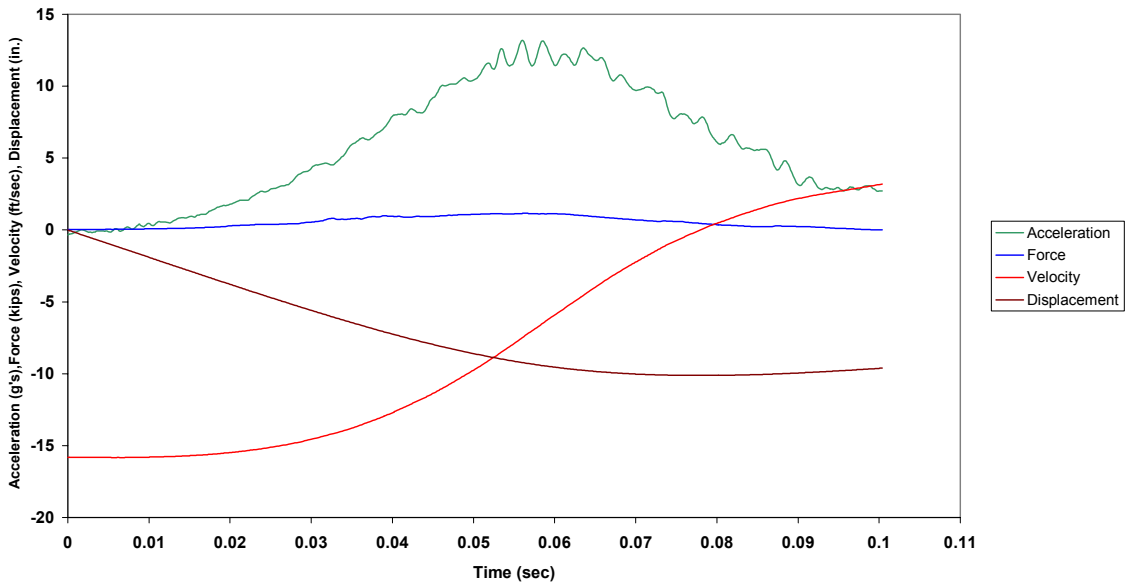


Figure B.252.2 Case 1AA: Combined Plot

Case 1AA: Precycled 3/4 in. SSR 1200 (65 lb from 96 in.)

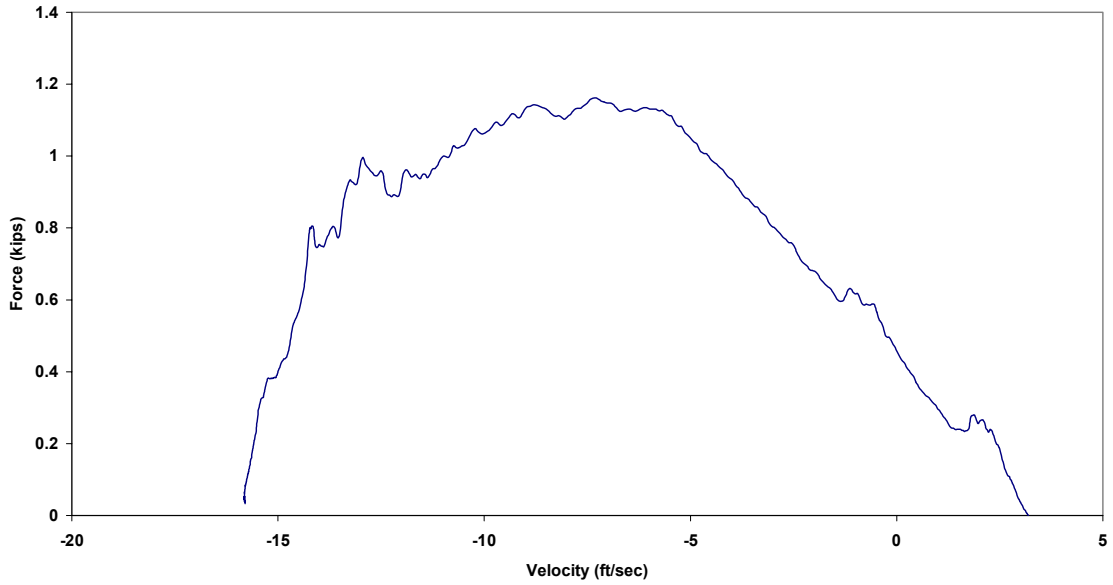


Figure B.252.3 Case 1AA: Force vs. Velocity

Case 1AA: Precycled 3/4 in. SSR 1200 (65 lb from 96 in.)

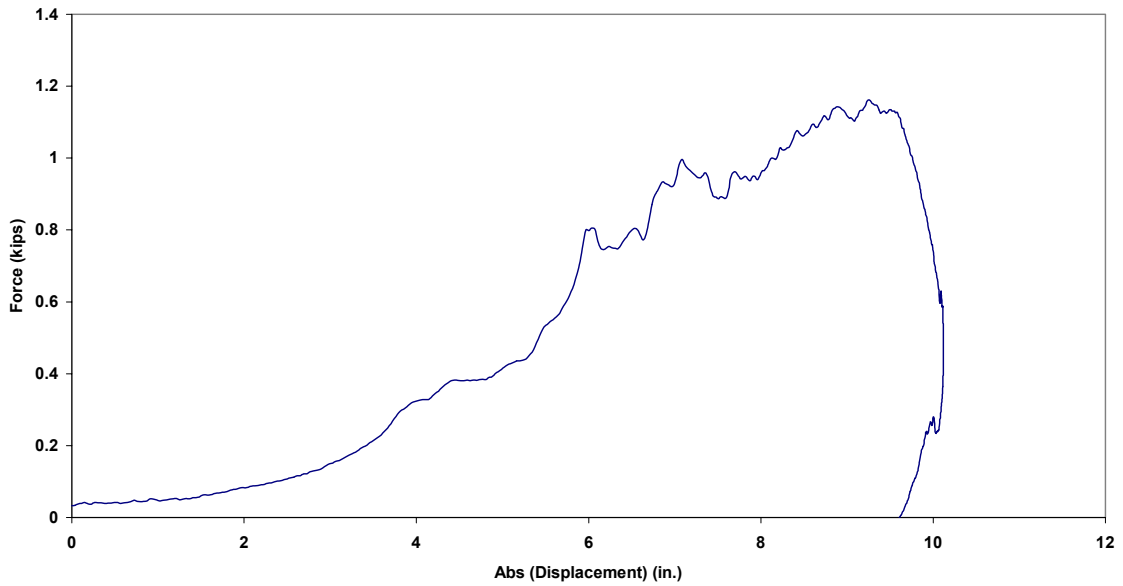


Figure B.252.4 Case 1AA: Force vs. Absolute Displacement



Case 2AA: Precycled 3/4 in. SSR 1200 (65 lb from 90 in.)

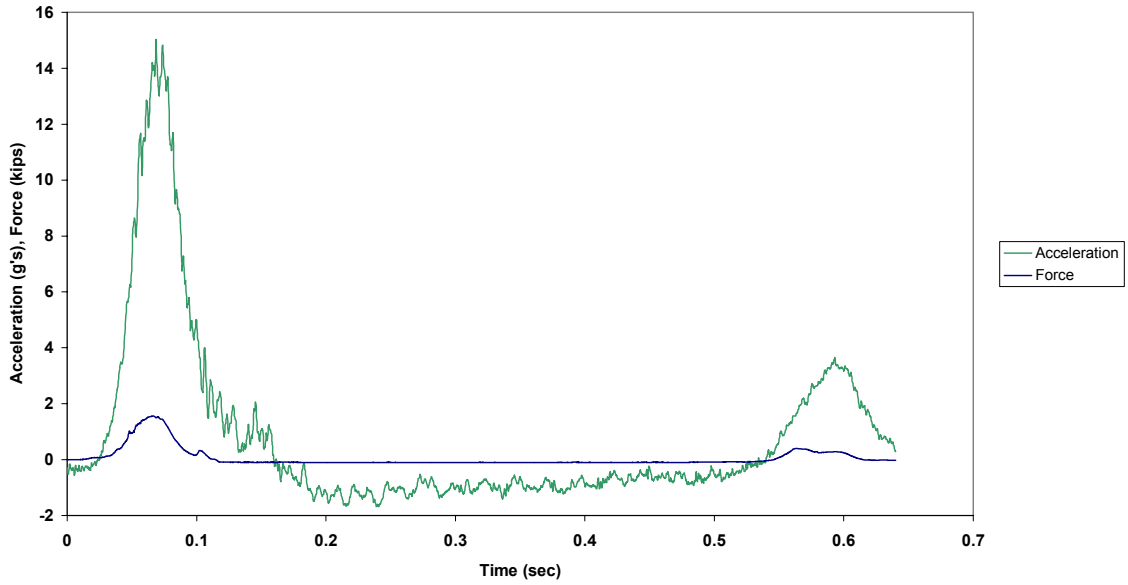


Figure B.253.1 Case 2AA: Force and Acceleration vs. Time

Case 2AA: Precycled 3/4 in. SSR 1200 (65 lb from 90 in.)

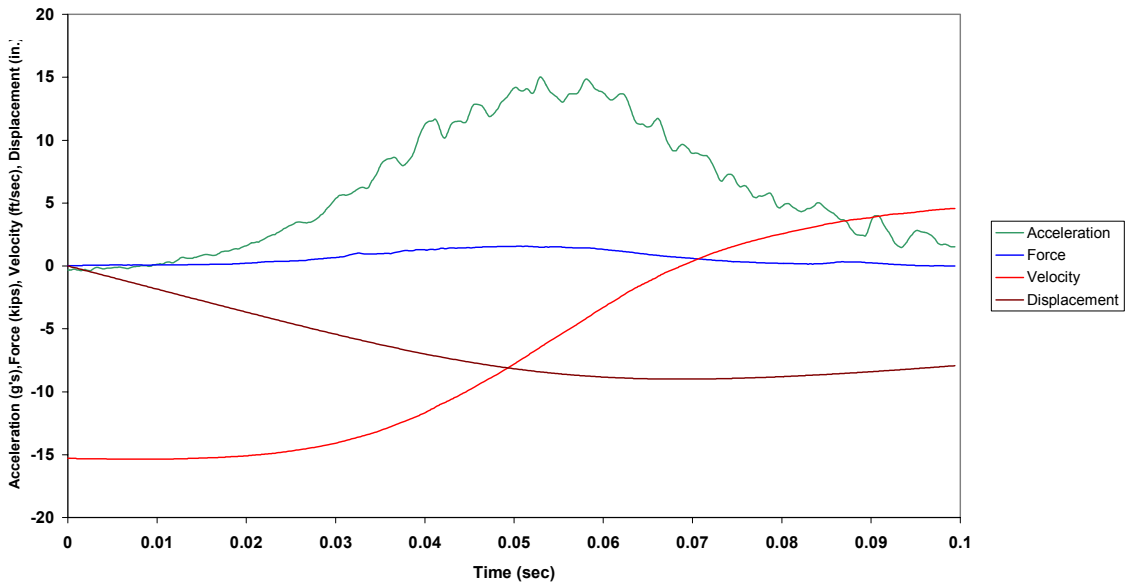


Figure B.253.2 Case 2AA: Combined Plot

Case 2AA: Precycled 3/4 in. SSR 1200 (65 lb from 90 in.)

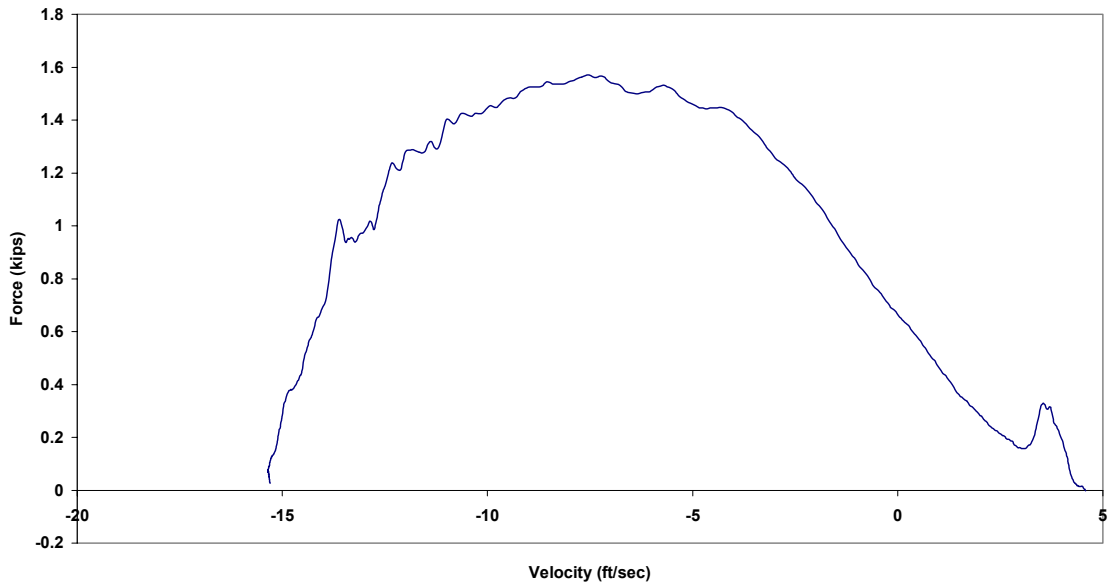


Figure B.253.3 Case 2AA: Force vs. Velocity

Case 2AA: Precycled 3/4 in. SSR 1200 (65 lb from 90 in.)

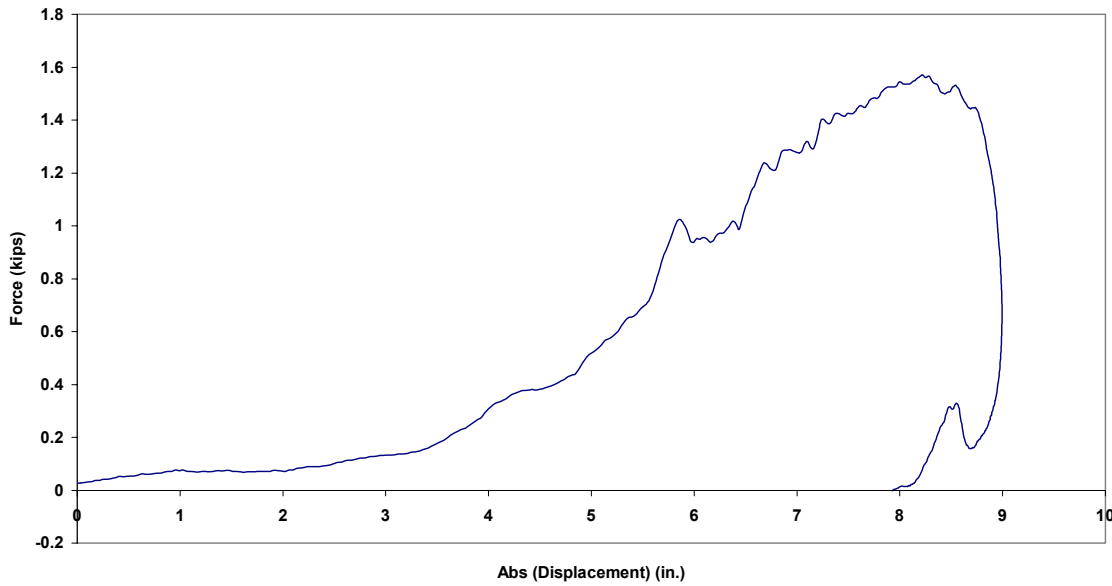


Figure B.253.4 Case 2AA: Force vs. Absolute Displacement

Case 3AA: Precycled 3/4 in. SSR 1200 (65 lb from 84 in.)

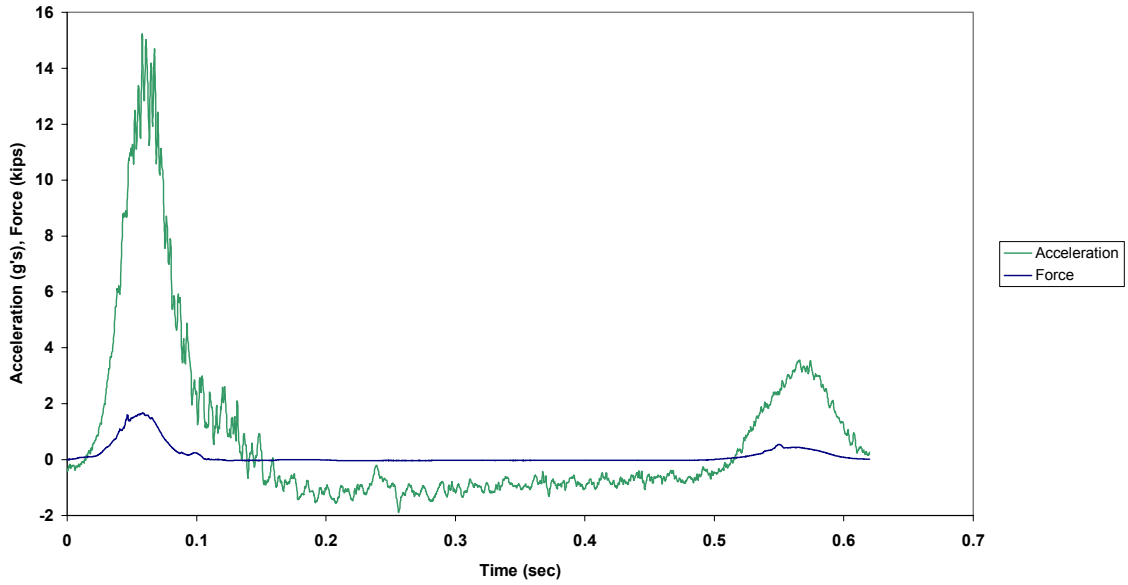


Figure B.254.1 Case 3AA: Force and Acceleration vs. Time

Case 3AA: Precycled 3/4 in. SSR 1200 (65 lb from 84 in.)

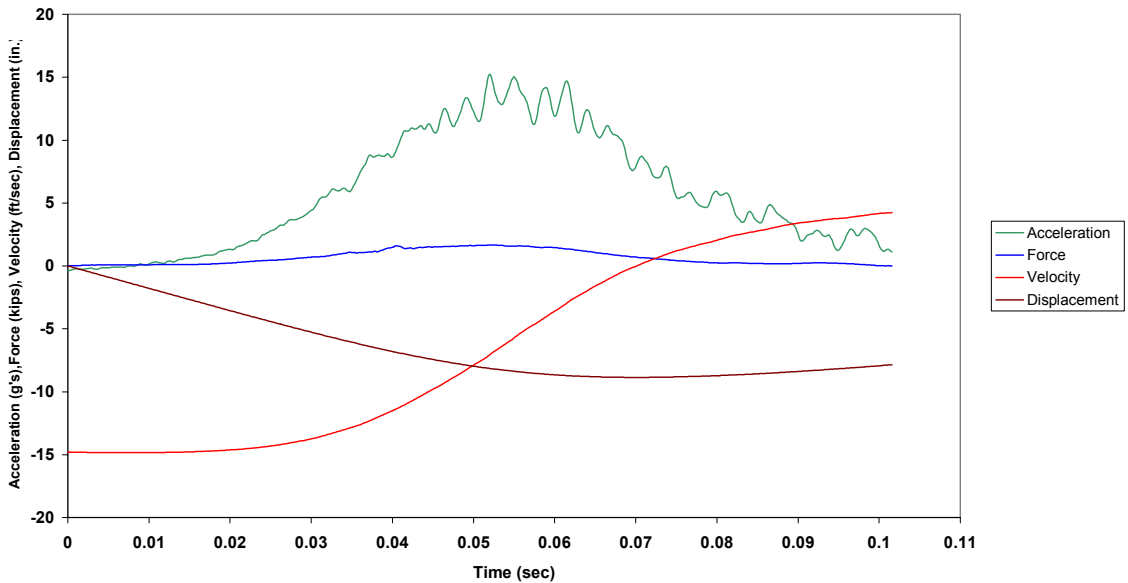


Figure B.254.2 Case 3AA: Combined Plot

Case 3AA: Precycled 3/4 in. SSR 1200 (65 lb from 84 in.)

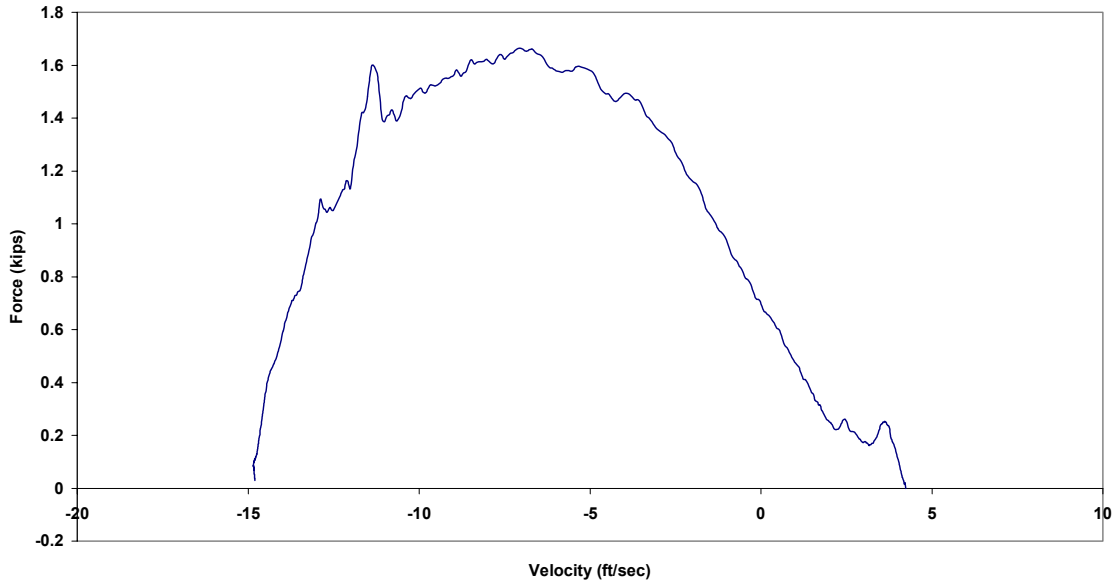


Figure B.254.3 Case 3AA: Force vs. Velocity

Case 3AA: Precycled 3/4 in. SSR 1200 (65 lb from 84 in.)



Figure B.254.4 Case 3AA: Force vs. Absolute Displacement

Case 4AA: Precycled 3/4 in. SSR 1200 (65 lb from 78 in.)

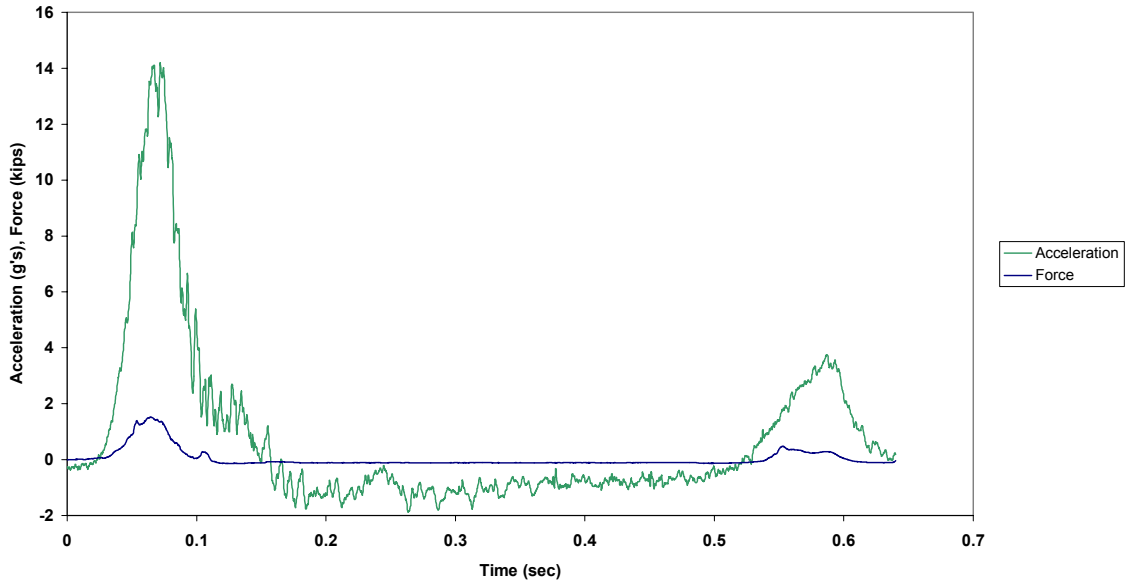


Figure B.255.1 Case 4AA: Force and Acceleration vs. Time

Case 4AA: Precycled 3/4 in. SSR 1200 (65 lb from 78 in.)

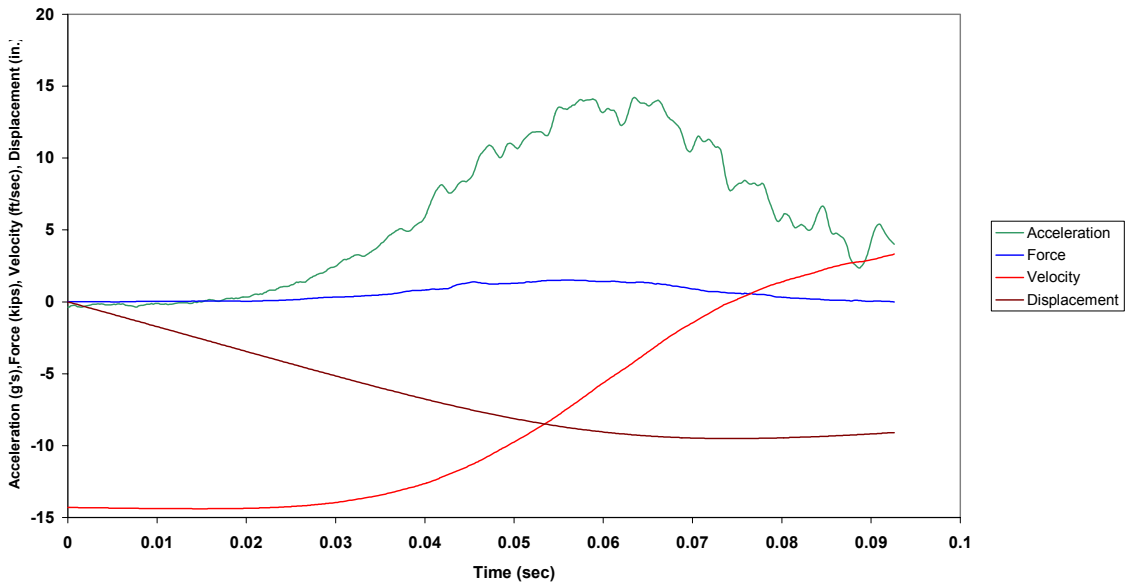


Figure B.255.2 Case 4AA: Combined Plot

Case 4AA: Precycled 3/4 in. SSR 1200 (65 lb from 78 in.)

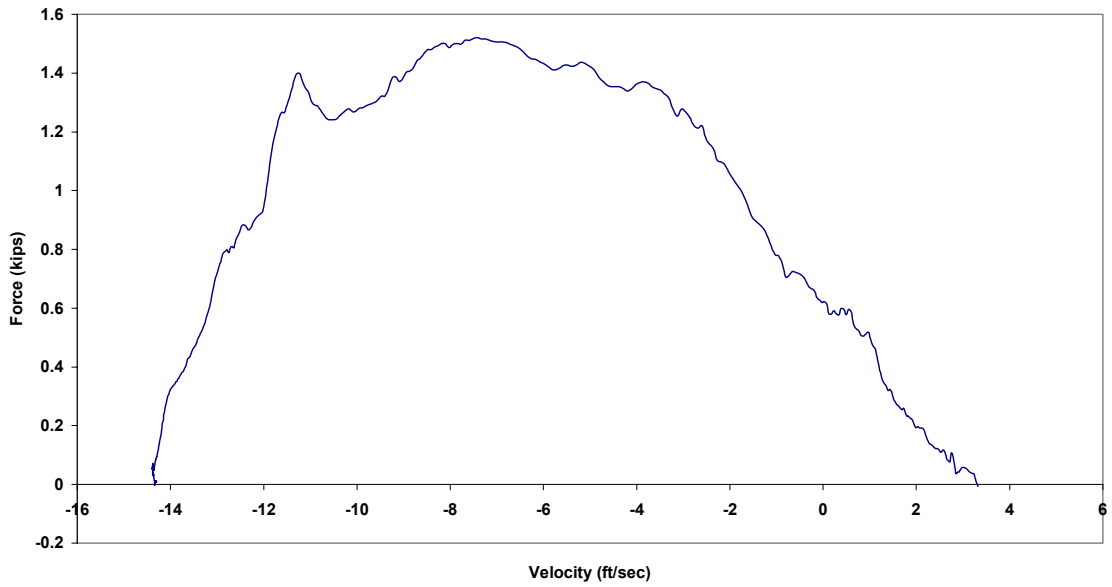


Figure B.255.3 Case 4AA: Force vs. Velocity

Case 4AA: Precycled 3/4 in. SSR 1200 (65 lb from 78 in.)

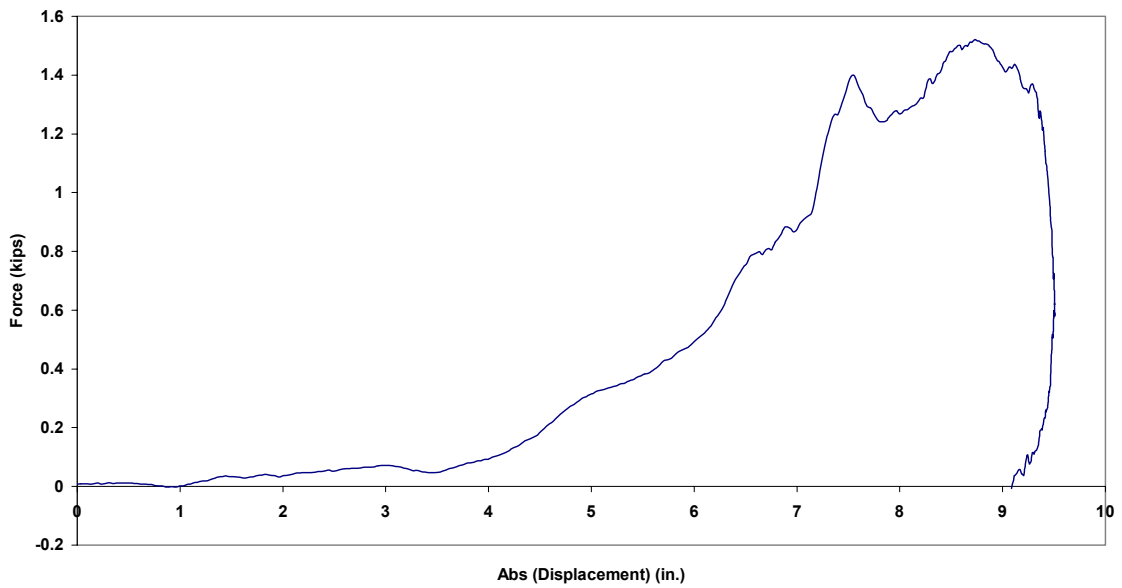


Figure B.255.4 Case 4AA: Force vs. Absolute Displacement

Case 5AA: Precycled 3/4 in. SSR 1200 (65 lb from 72 in.)

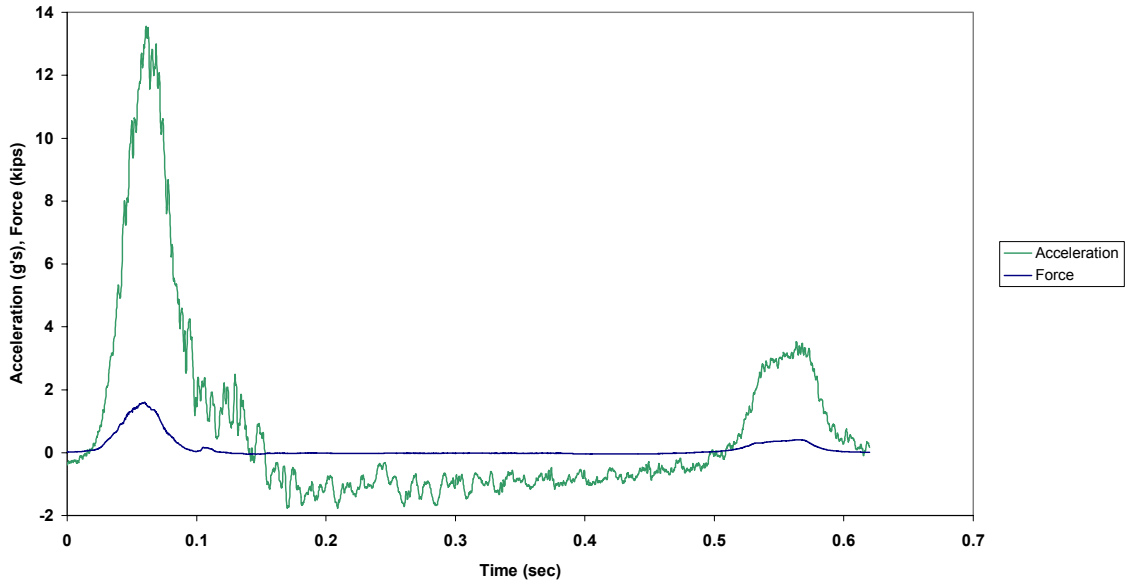


Figure B.256.1 Case 5AA: Force and Acceleration vs. Time

Case 5AA: Precycled 3/4 in. SSR 1200 (65 lb from 72 in.)

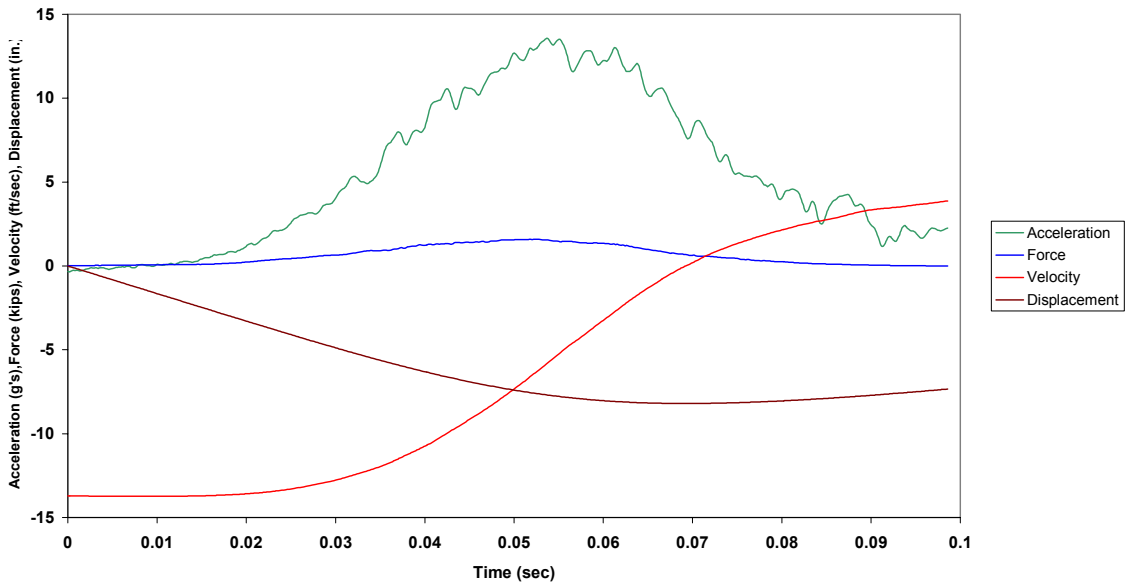


Figure B.256.2 Case 5AA: Combined Plot

Case 5AA: Precycled 3/4 in. SSR 1200 (65 lb from 72 in.)

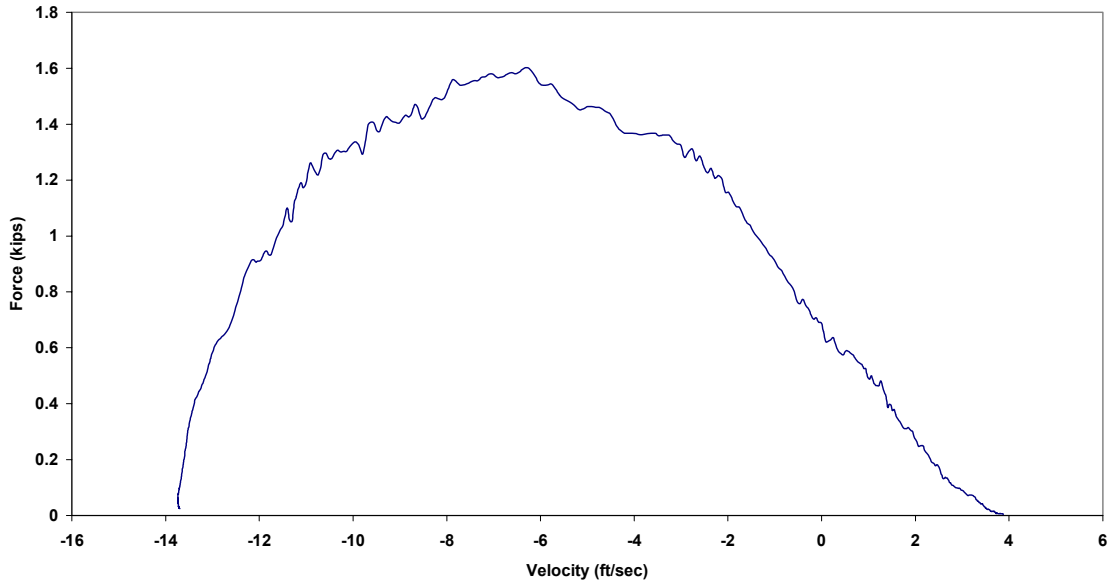


Figure B.256.3 Case 5AA: Force vs. Velocity

Case 5AA: Precycled 3/4 in. SSR 1200 (65 lb from 72 in.)

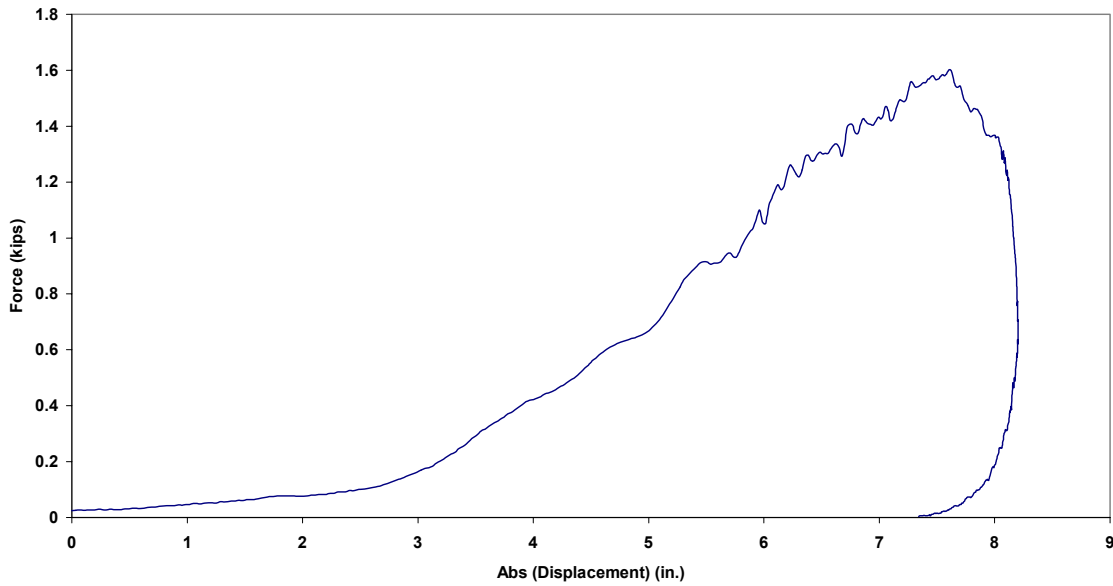


Figure B.256.4 Case 5AA: Force vs. Absolute Displacement



Case 6AA: Precycled 3/4 in. SSR 1200 (65 lb from 66 in.)

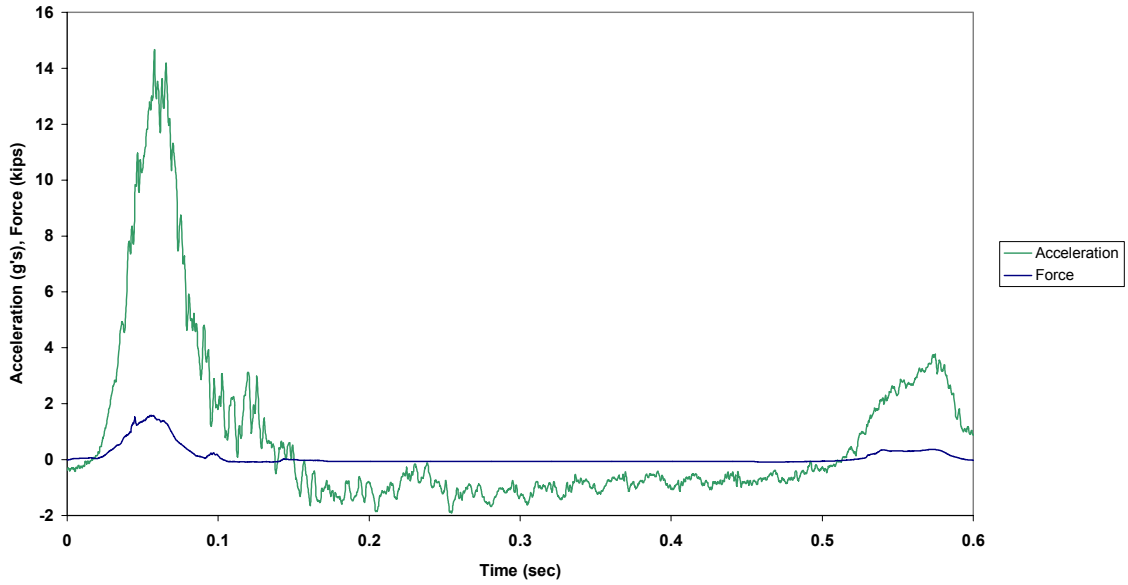


Figure B.257.1 Case 6AA: Force and Acceleration vs. Time

Case 6AA: Precycled 3/4 in. SSR 1200 (65 lb from 66 in.)

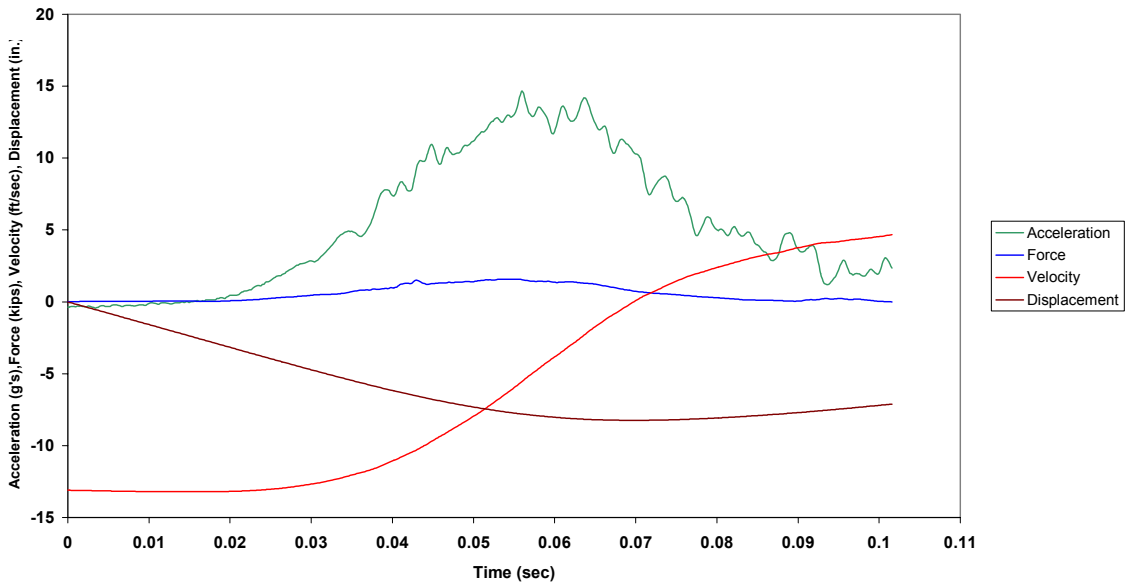


Figure B.257.2 Case 6AA: Combined Plot

Case 6AA: Precycled 3/4 in. SSR 1200 (65 lb from 66 in.)

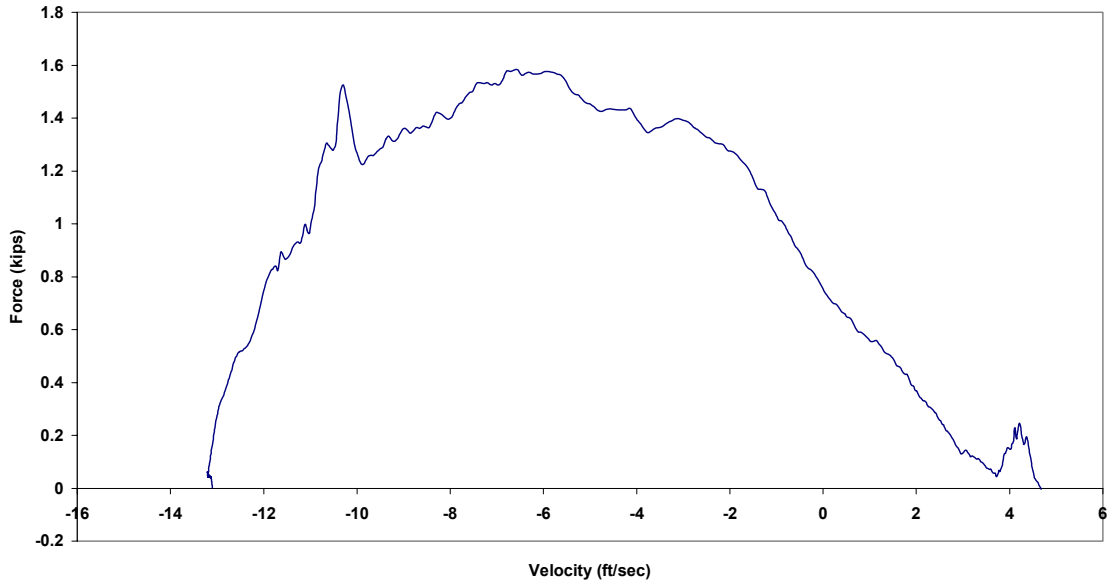


Figure B.257.3 Case 6AA: Force vs. Velocity

Case 6AA: Precycled 3/4 in. SSR 1200 (65 lb from 66 in.)

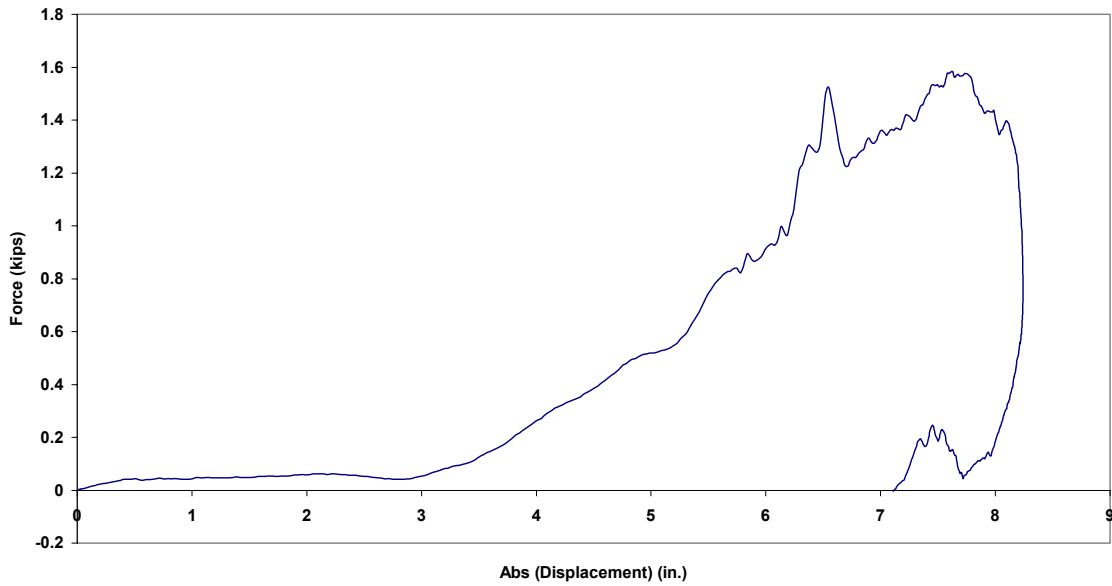


Figure B.257.4 Case 6AA: Force vs. Absolute Displacement

Case 7AA: Precycled 3/4 in. SSR 1200 (85 lb from 59 in.)

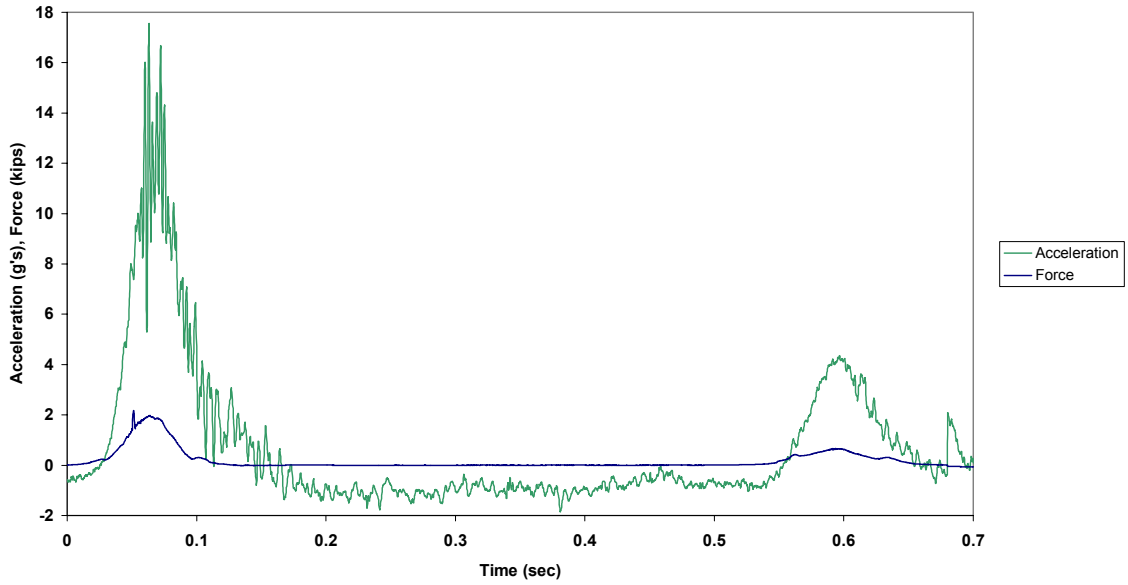


Figure B.258.1 Case 7AA: Force and Acceleration vs. Time

Case 7AA: Precycled 3/4 in. SSR 1200 (85 lb from 59 in.)

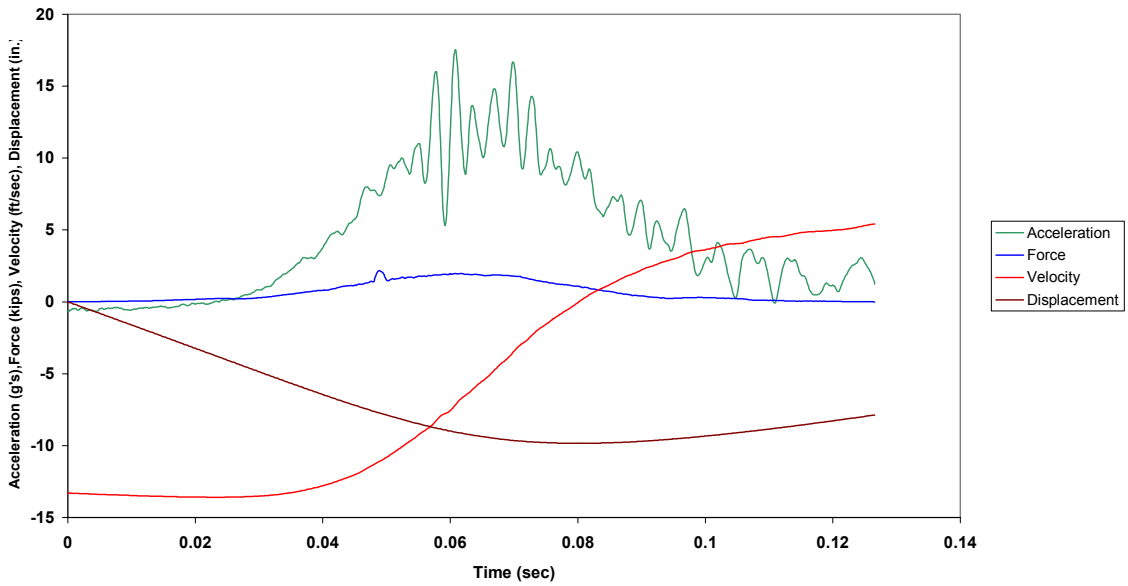


Figure B.258.2 Case 7AA: Combined Plot

Case 7AA: Precycled 3/4 in. SSR 1200 (85 lb from 59 in.)

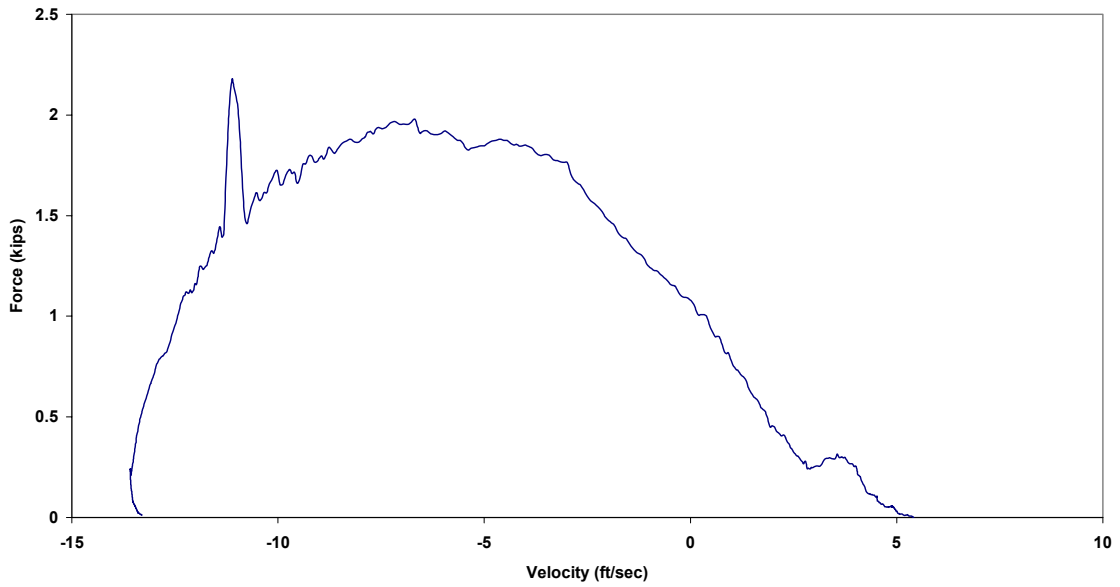


Figure B.258.3 Case 7AA: Force vs. Velocity

Case 7AA: Precycled 3/4 in. SSR 1200 (85 lb from 59 in.)

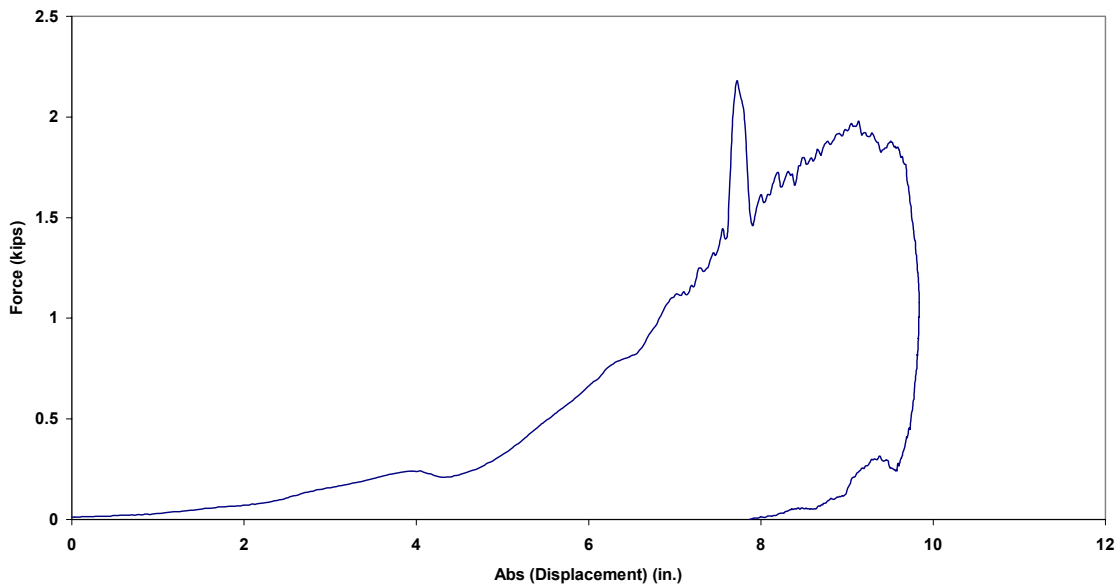


Figure B.258.4 Case 7AA: Force vs. Absolute Displacement

Case 8AA: Precycled 3/4 in. SSR 1200 (85 lb from 71 in.)

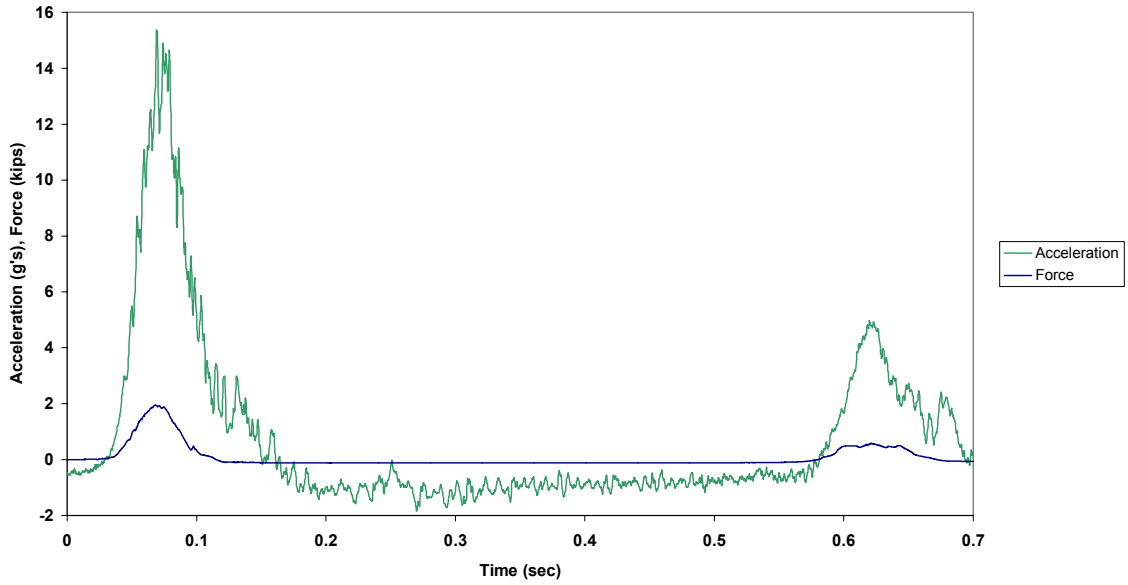


Figure B.259.1 Case 8AA: Force and Acceleration vs. Time

Case 8AA: Precycled 3/4 in. SSR 1200 (85 lb from 71 in.)

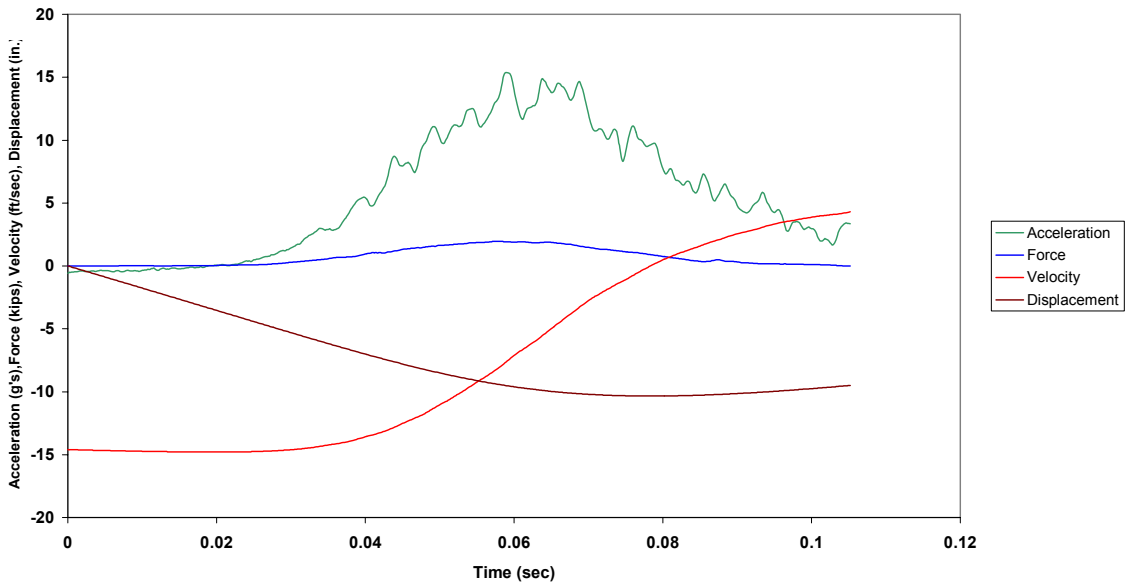


Figure B.259.2 Case 8AA: Combined Plot

Case 8AA: Precycled 3/4 in. SSR 1200 (85 lb from 71 in.)

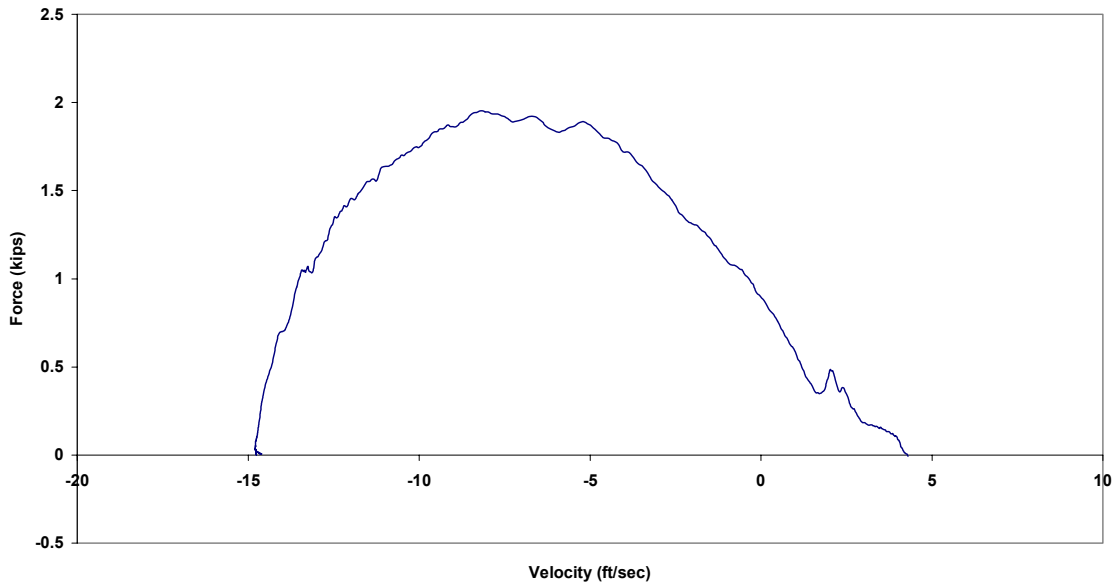


Figure B.259.3 Case 8AA: Force vs. Velocity

Case 8AA: Precycled 3/4 in. SSR 1200 (85 lb from 71 in.)

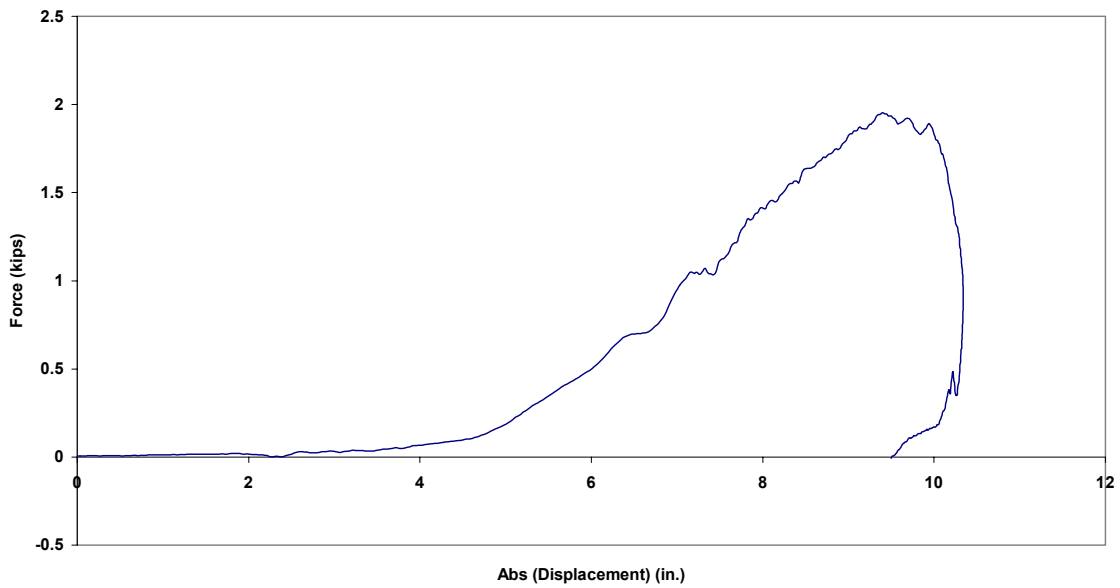


Figure B.259.4 Case 8AA: Force vs. Absolute Displacement

Case 1BB: New 3/4 in. SSR 1200 (65 lb from 96 in.)

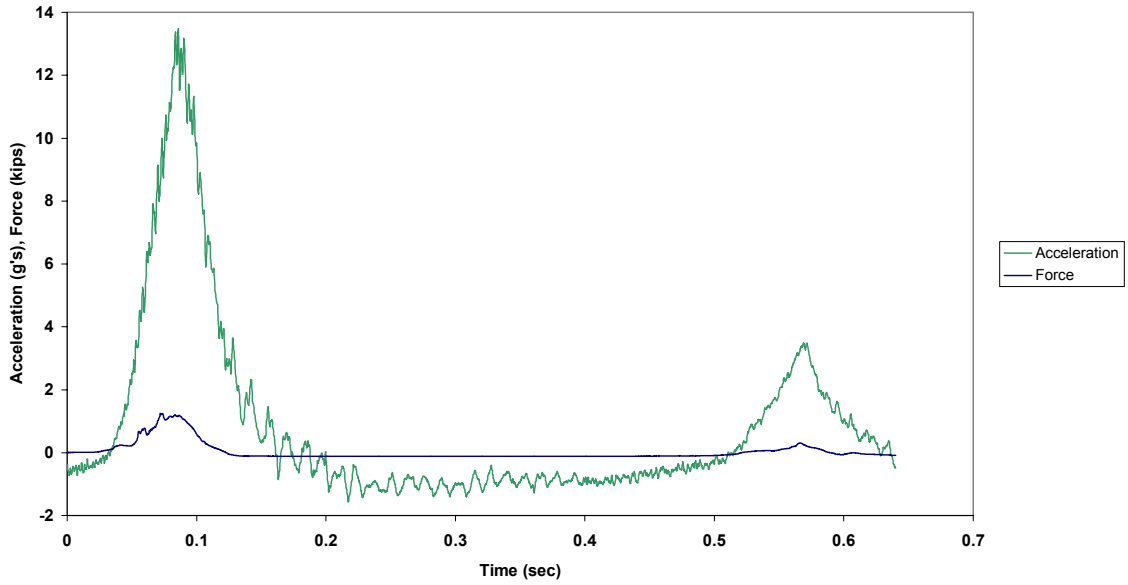


Figure B.260.1 Case 1BB: Force and Acceleration vs. Time

Case 1BB: New 3/4 in. SSR 1200 (65 lb from 96 in.)

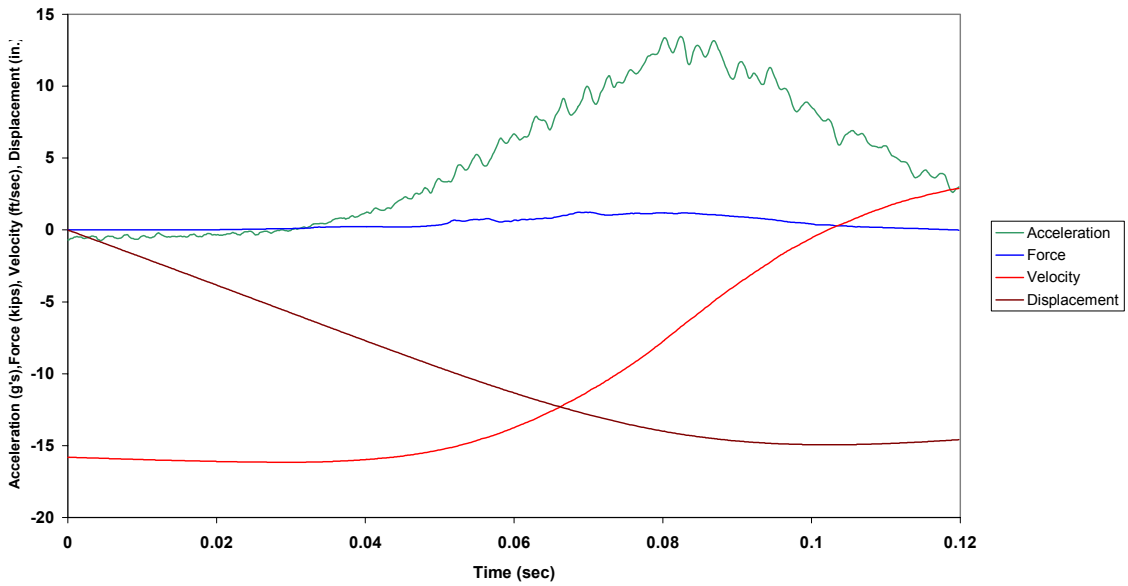


Figure B.260.2 Case 1BB: Combined Plot

Case 1BB: New 3/4 in. SSR 1200 (65 lb from 96 in.)

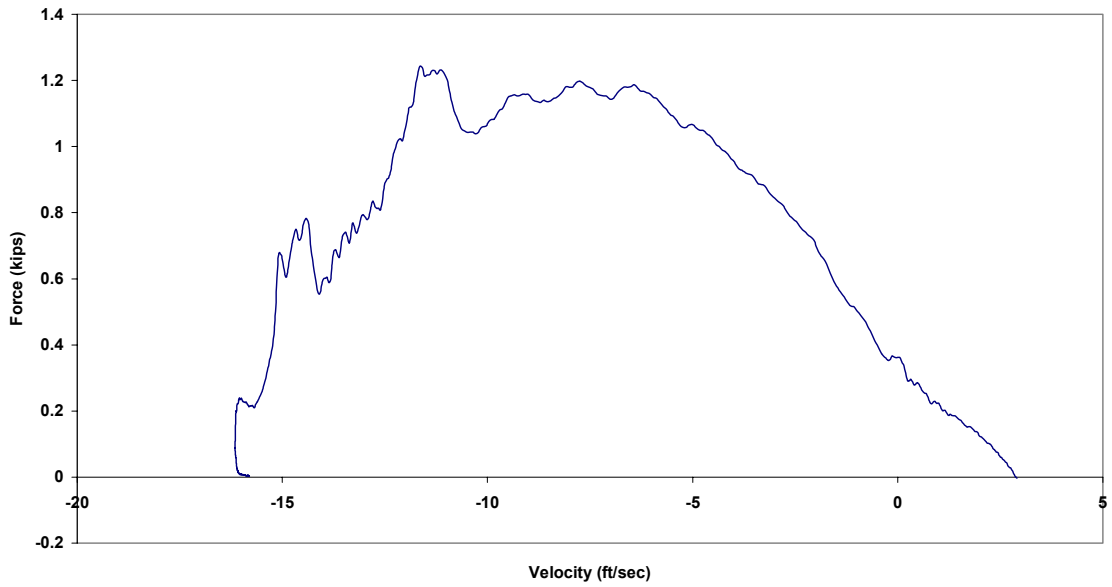


Figure B.260.3 Case 1BB: Force vs. Velocity

Case 1BB: New 3/4 in. SSR 1200 (65 lb from 96 in.)

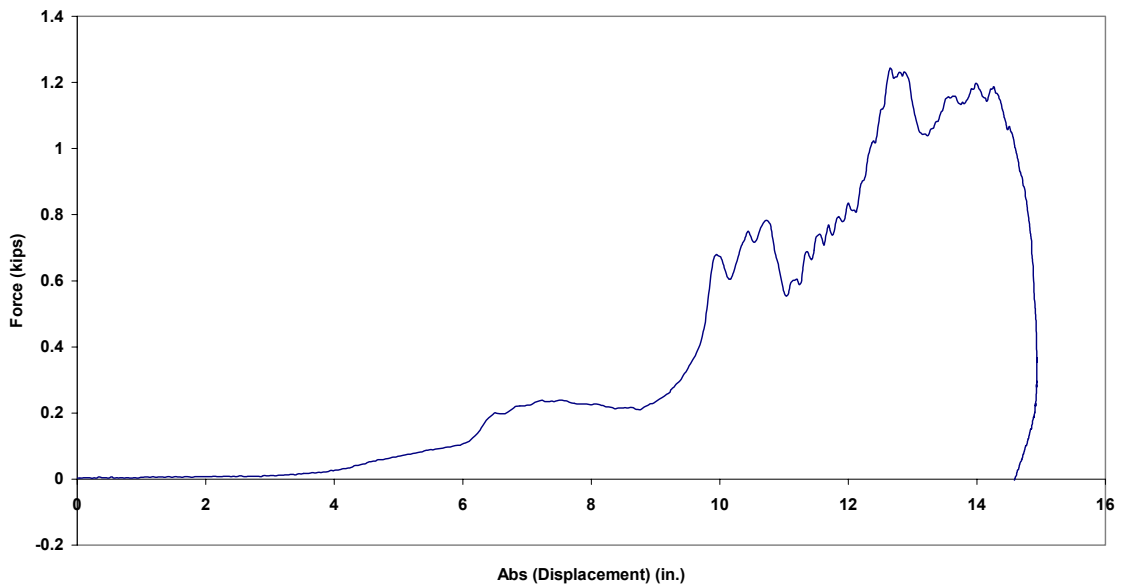


Figure B.260.4 Case 1BB: Force vs. Absolute Displacement



Case 2BB: New 3/4 in. SSR 1200 (65 lb from 90 in.)

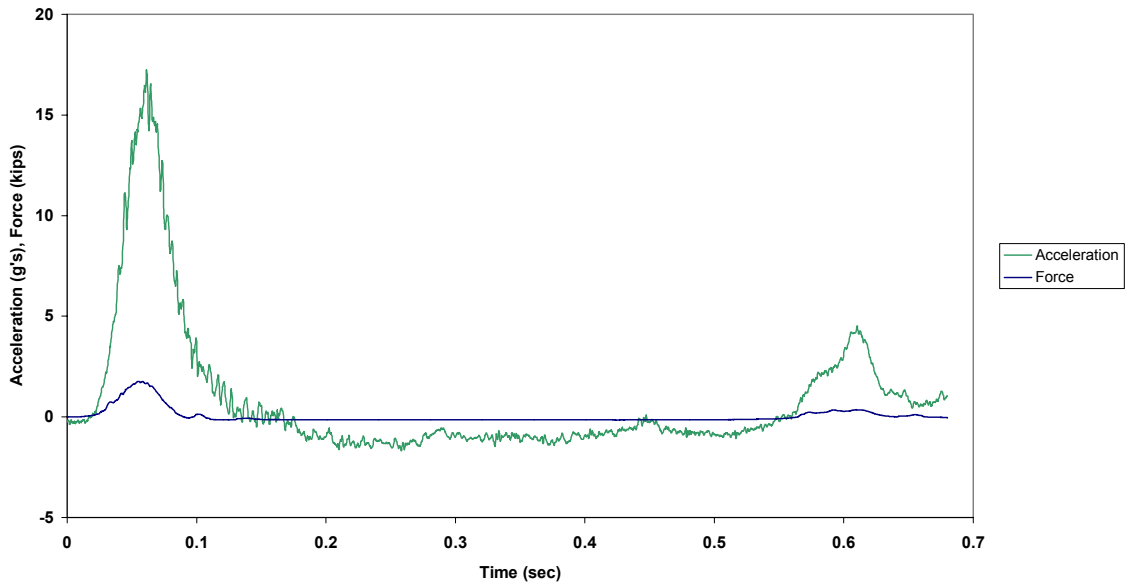


Figure B.261.1 Case 2BB: Force and Acceleration vs. Time

Case 2BB: New 3/4 in. SSR 1200 (65 lb from 90 in.)

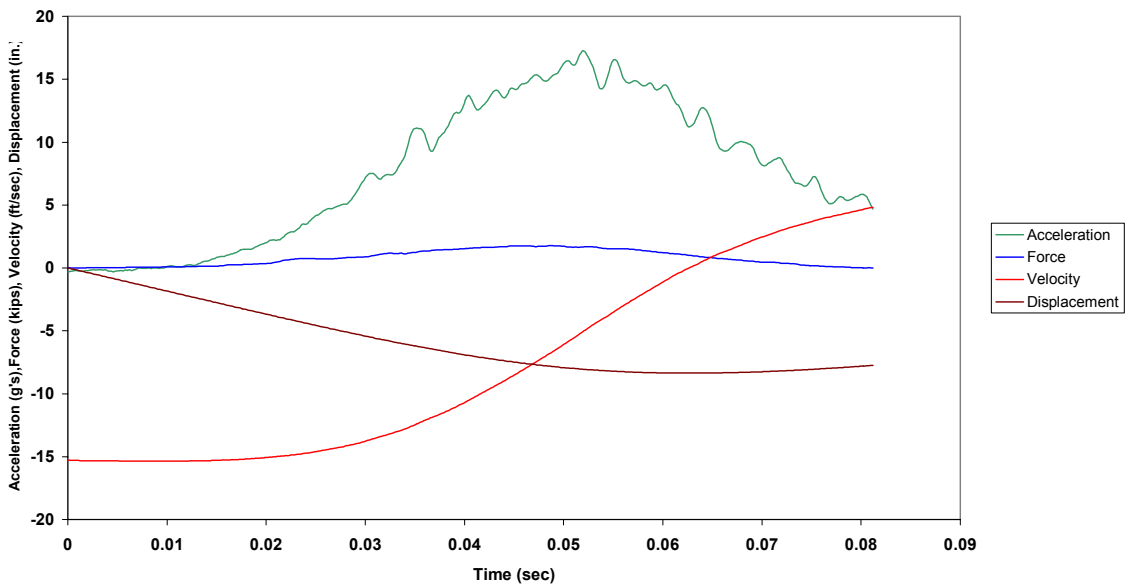


Figure B.261.2 Case 2BB: Combined Plot

Case 2BB: New 3/4 in. SSR 1200 (65 lb from 90 in.)

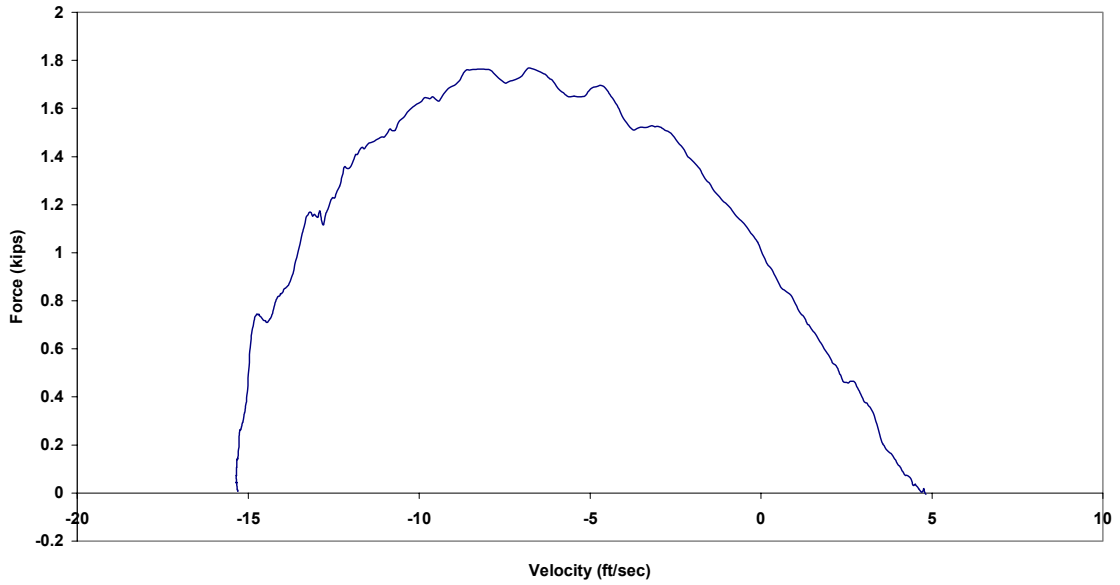


Figure B.261.3 Case 2BB: Force vs. Velocity

Case 2BB: New 3/4 in. SSR 1200 (65 lb from 90 in.)

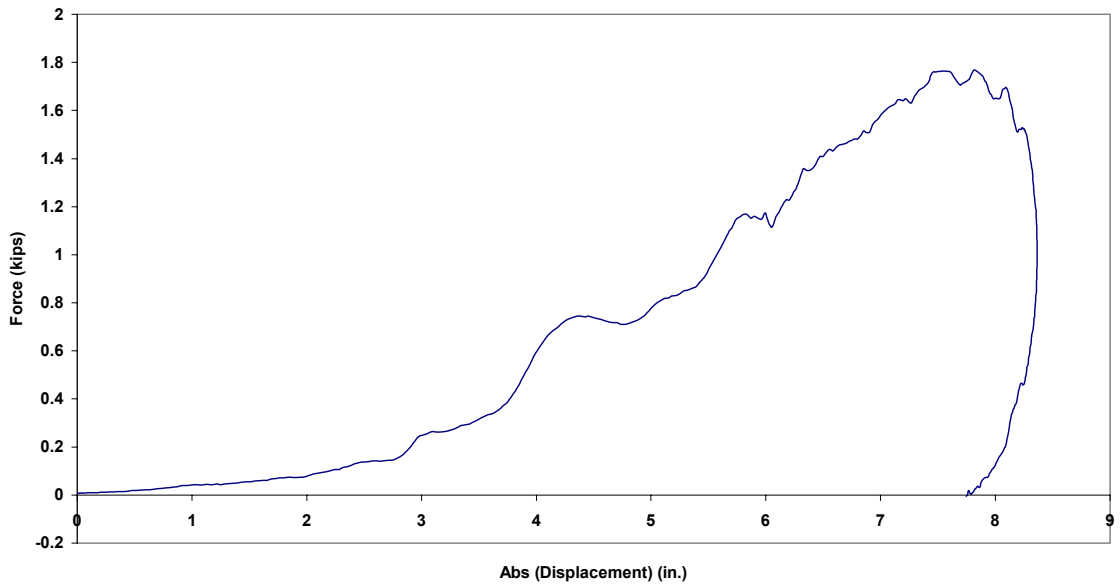


Figure B.261.4 Case 2BB: Force vs. Absolute Displacement

<b>3/8-inch QS Polytron (Precycled)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1CC	1	67	25
Test 2CC	2	73	25
Test 3CC	3	79	25
Test 4CC	4	85	25
Test 5CC	5	55	45
Test 6CC	6	61	45

Table B.11.1 Test Sequence for 3/8 in. QS Polytron (Precycled)

<b>3/8-inch QS Polytron (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1DD	1	54	45
Test 2DD	2	60	45

Table B.11.2 Test Sequence for 3/8 in. QS Polytron (New)

<b>1/2-inch QS Polytron (New)</b>			
Case ID	Drop Number	Drop Height (in.)	Weight (lb)
Test Sequence One			
Test 1EE	1	62	25
Test 2EE	2	68	25
Test 3EE	3	74	25

Table B.11.3 Test Sequence for 1/2 in. QS Polytron (Precycled)

Case 1CC: Precycled 3/8 in. QS Polytron (25 lb from 67 in.)

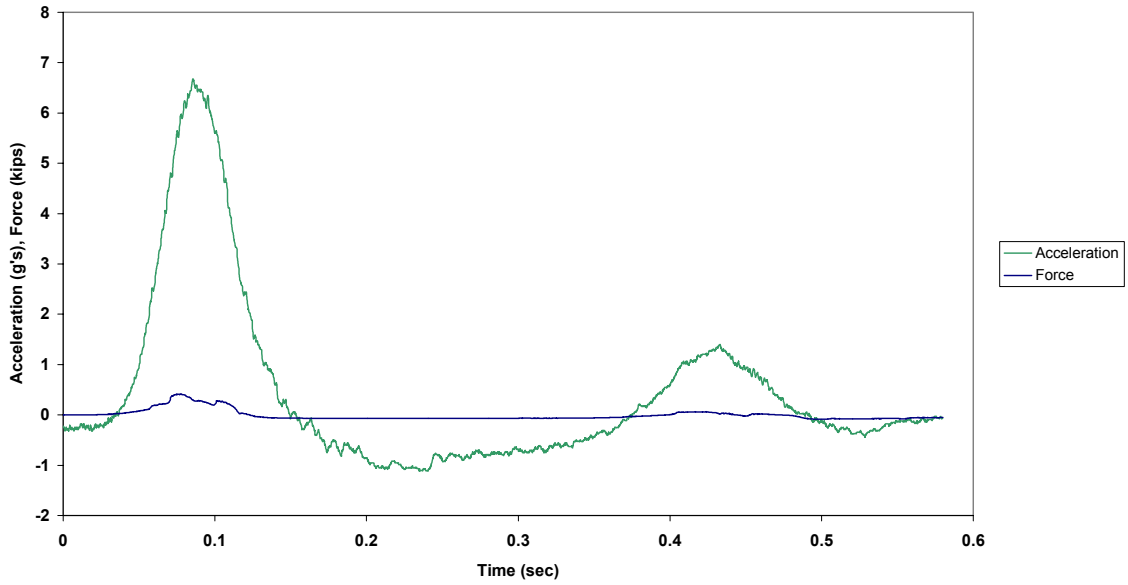


Figure B.262.1 Case 1CC: Force and Acceleration vs. Time

Case 1CC: Precycled 3/8 in. QS Polytron (25 lb from 67 in.)

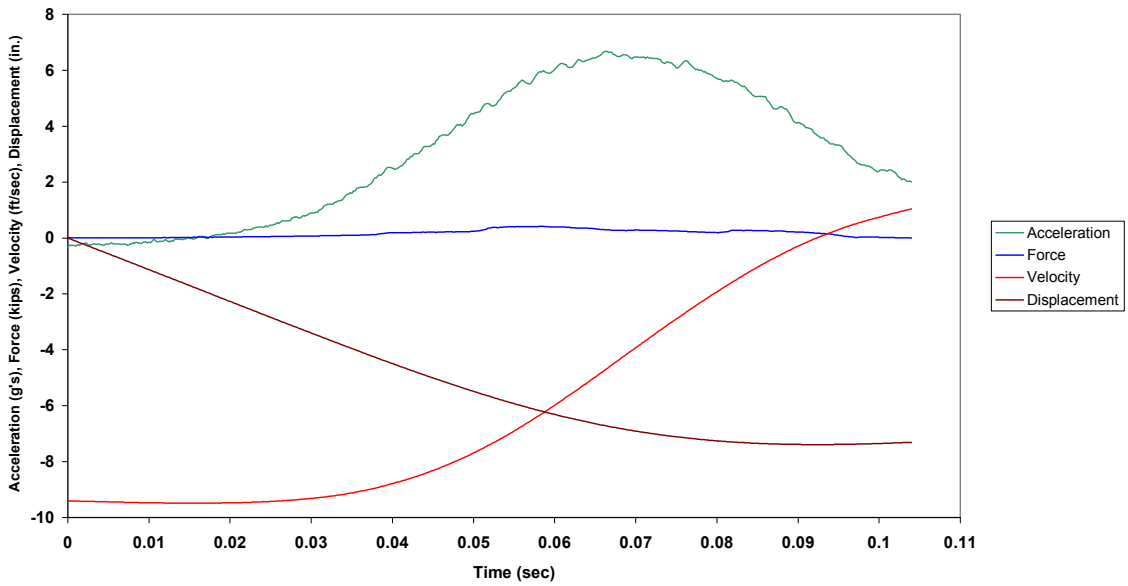


Figure B.262.2 Case 1CC: Combined Plot

Case 1CC: Precycled 3/8 in. QS Polytron (25 lb from 67 in.)

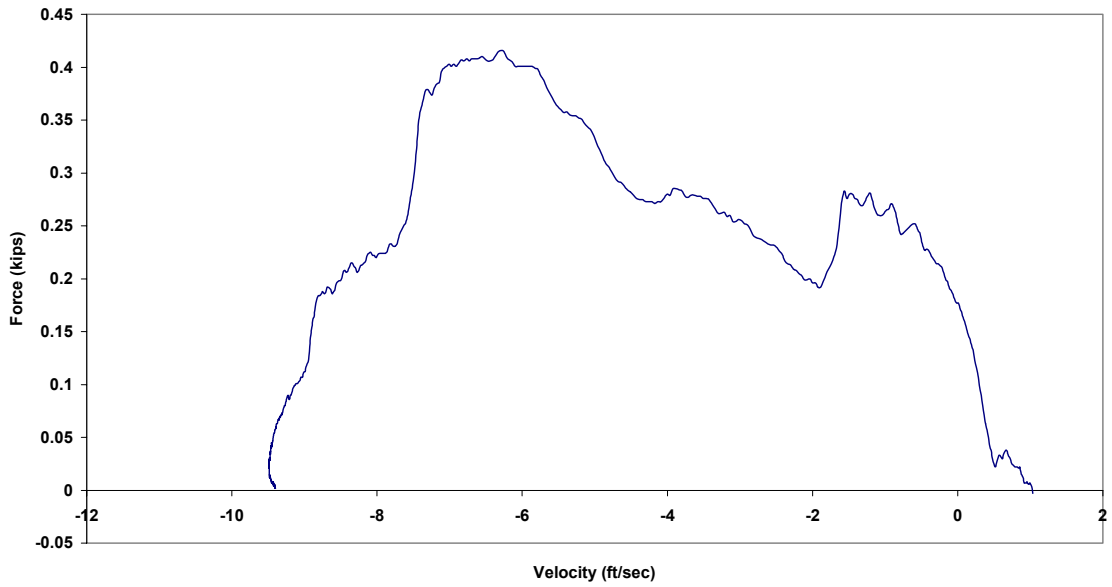


Figure B.262.3 Case 1CC: Force vs. Velocity

Case 1CC: Precycled 3/8 in. QS Polytron (25 lb from 67 in.)

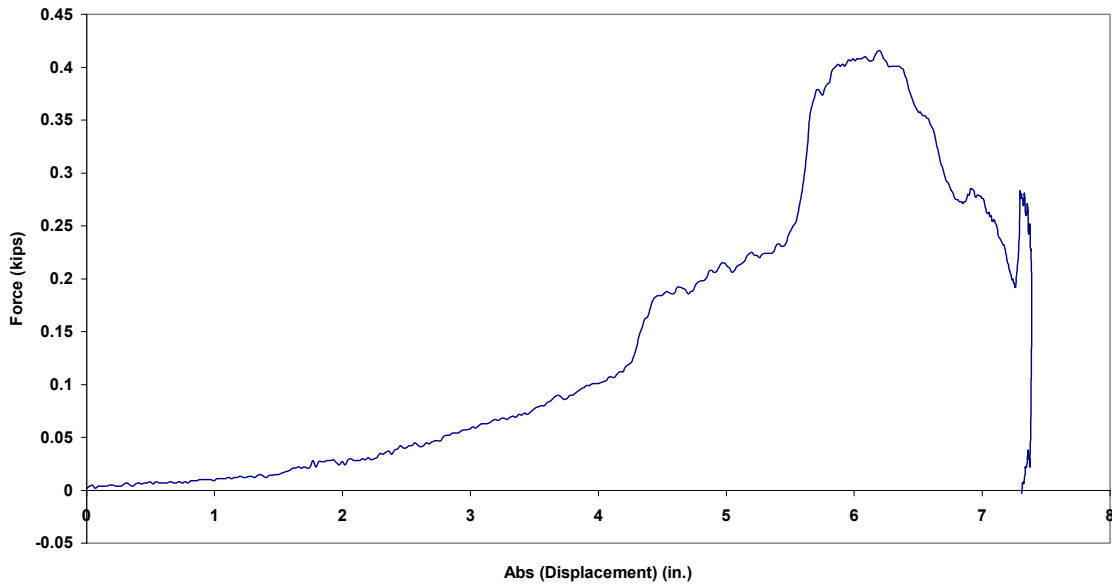


Figure B.262.4 Case 1CC: Force vs. Absolute Displacement

Case 2CC: Precycled 3/8 in. QS Polytron (25 lb from 73 in.)

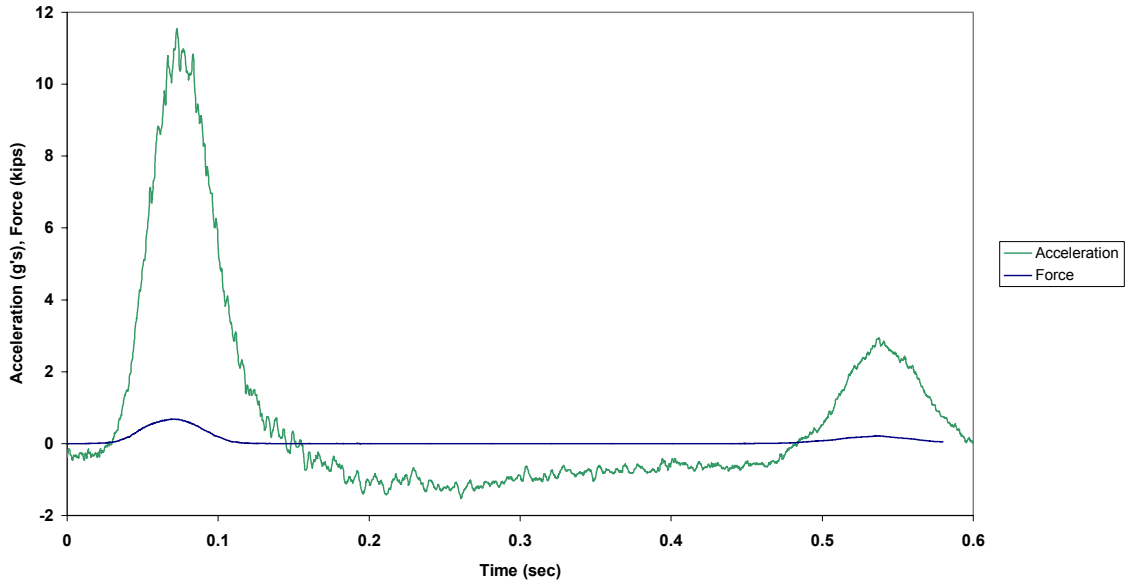


Figure B.263.1 Case 2CC: Force and Acceleration vs. Time

Case 2CC: Precycled 3/8 in. QS Polytron (25 lb from 73 in.)

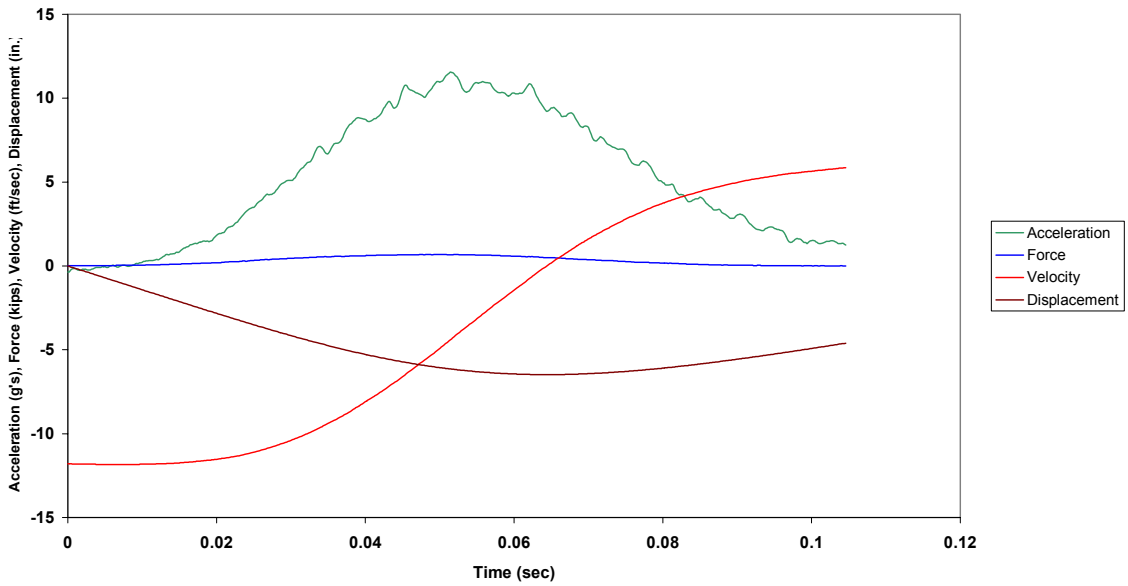


Figure B.263.2 Case 2CC: Combined Plot

Case 2CC: Precycled 3/8 in. QS Polytron (25 lb from 73 in.)

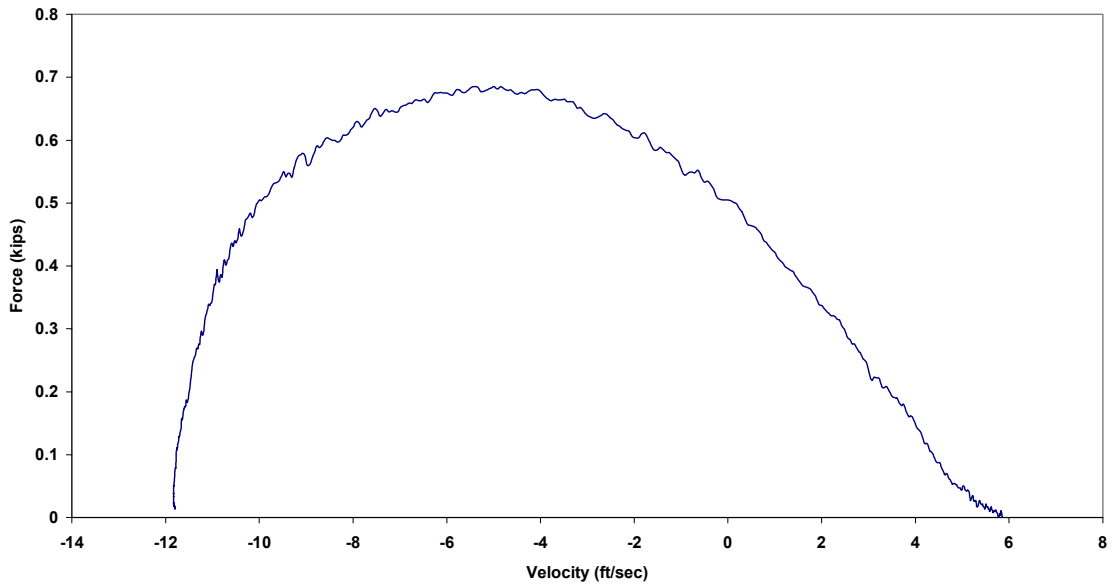


Figure B.263.3 Case 2CC: Force vs. Velocity

Case 2CC: Precycled 3/8 in. QS Polytron (25 lb from 73 in.)

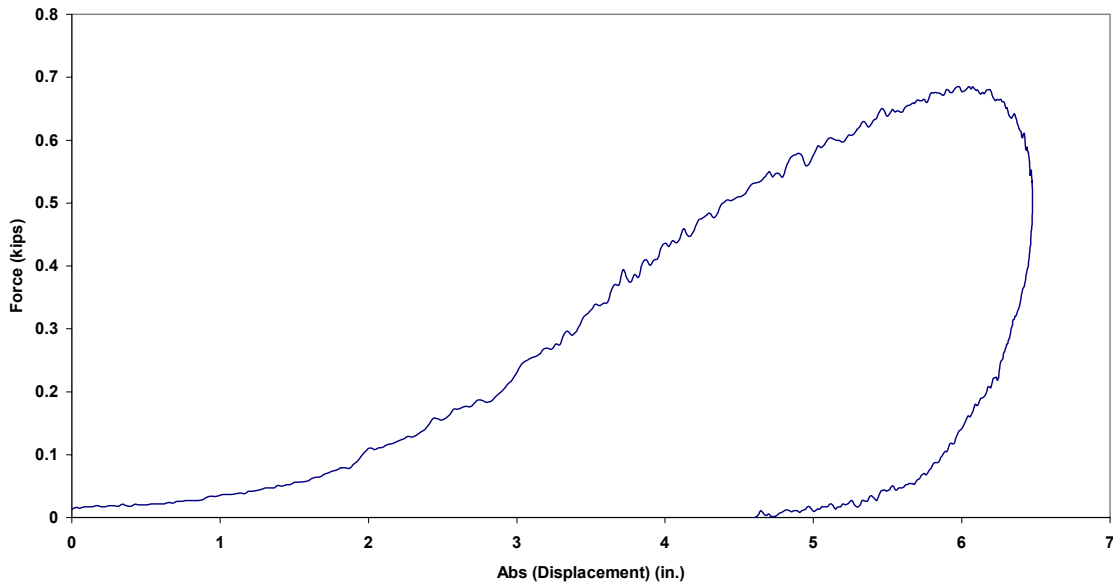


Figure B.263.4 Case 2CC: Force vs. Absolute Displacement

Case 3CC: Precycled 3/8 in. QS Polytron (25 lb from 79 in.)

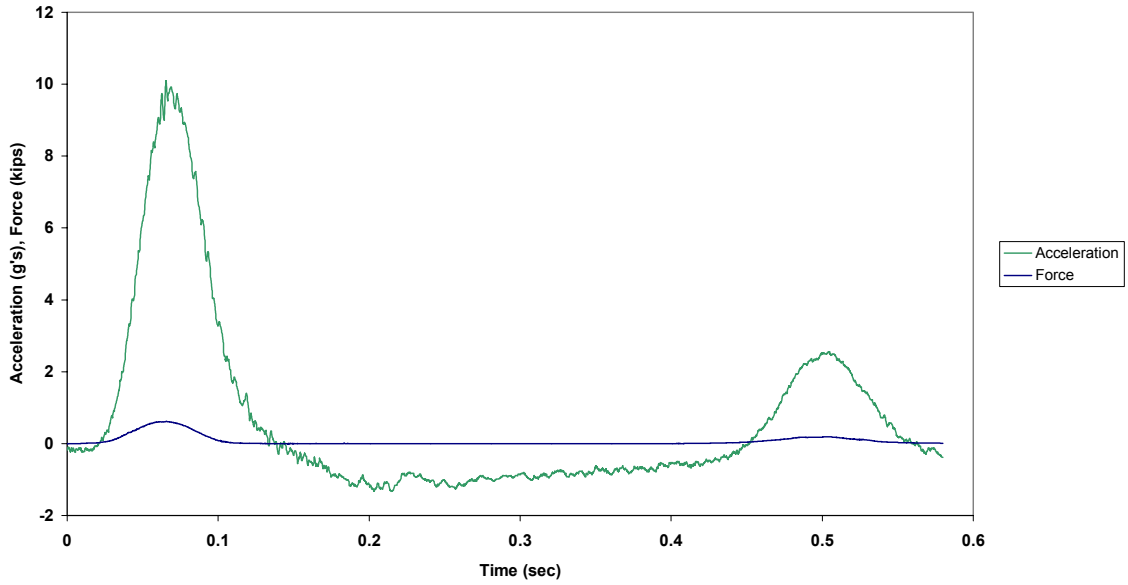


Figure B.264.1 Case 3CC: Force and Acceleration vs. Time

Case 3CC: Precycled 3/8 in. QS Polytron (25 lb from 79 in.)

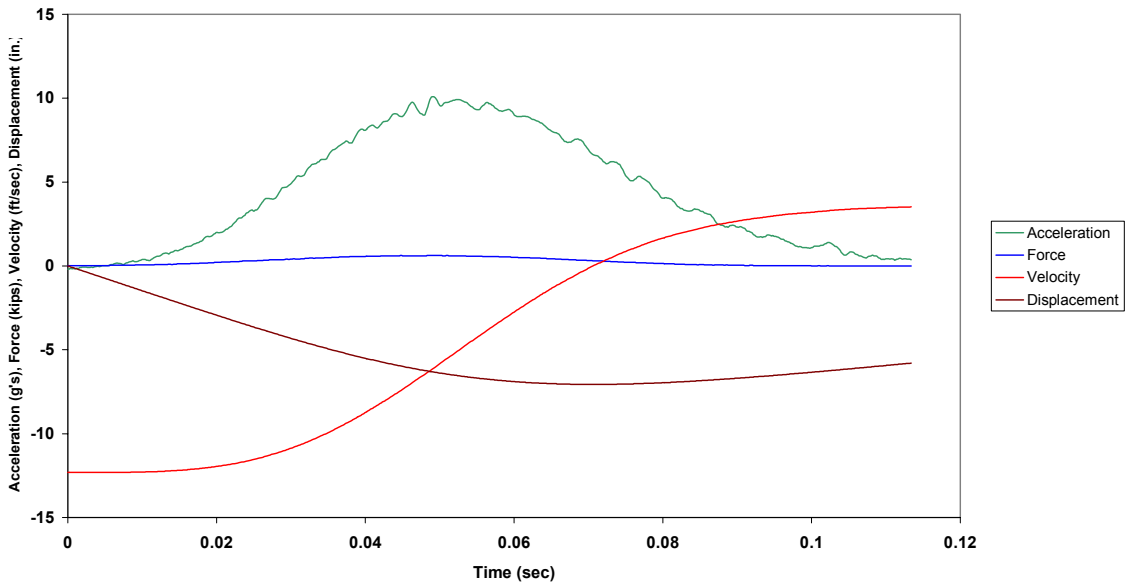


Figure B.264.2 Case 3CC: Combined Plot



Case 3CC: Precycled 3/8 in. QS Polytron (25 lb from 79 in.)

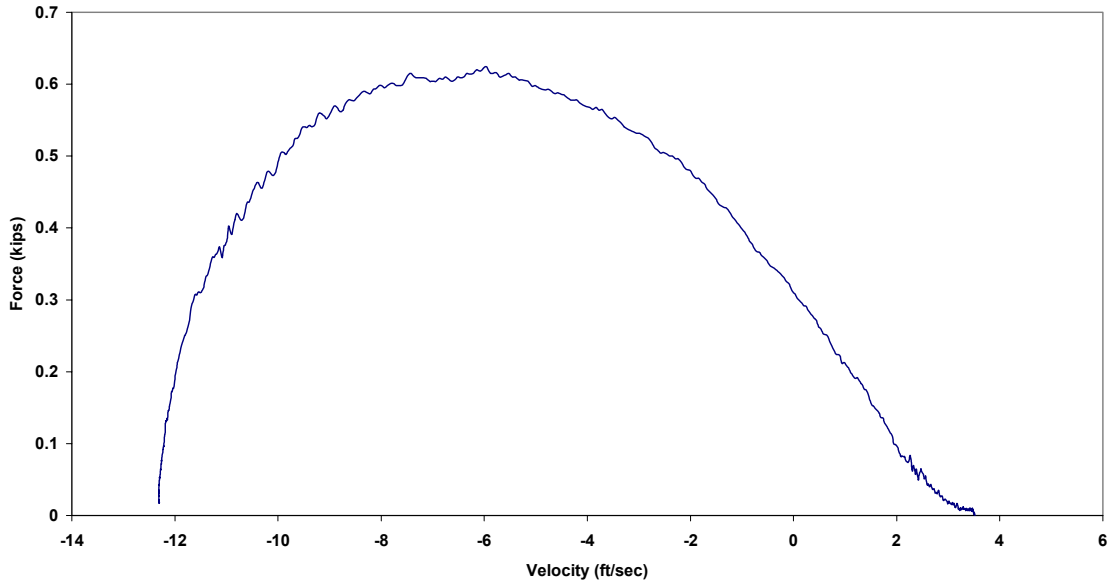


Figure B.264.3 Case 3CC: Force vs. Velocity

Case 3CC: Precycled 3/8 in. QS Polytron (25 lb from 79 in.)

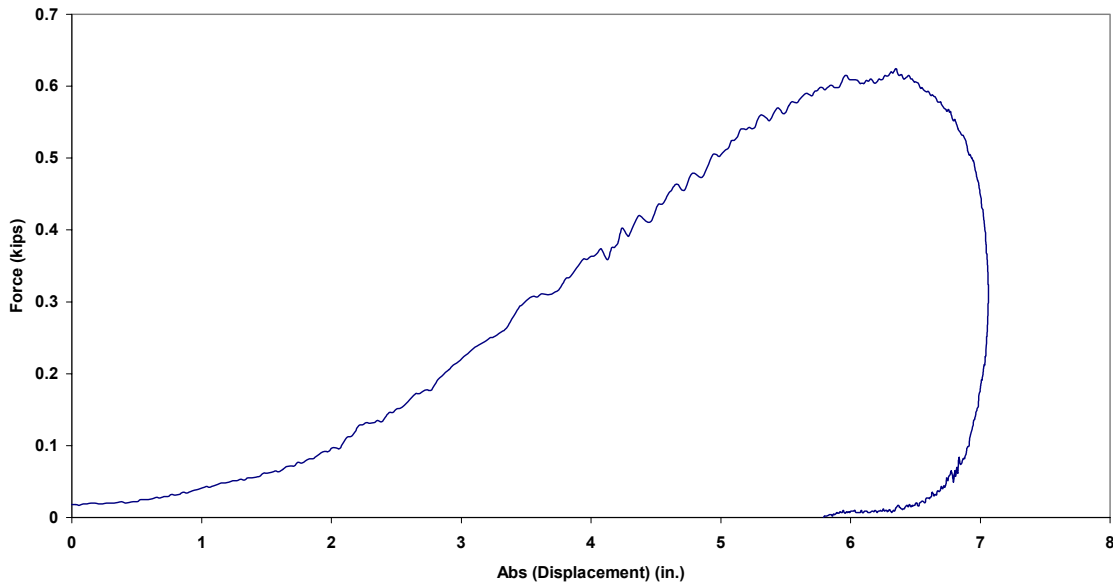


Figure B.264.4 Case 3CC: Force vs. Absolute Displacement

Case 4CC: Precycled 3/8 in. QS Polytron (25 lb from 85 in.)

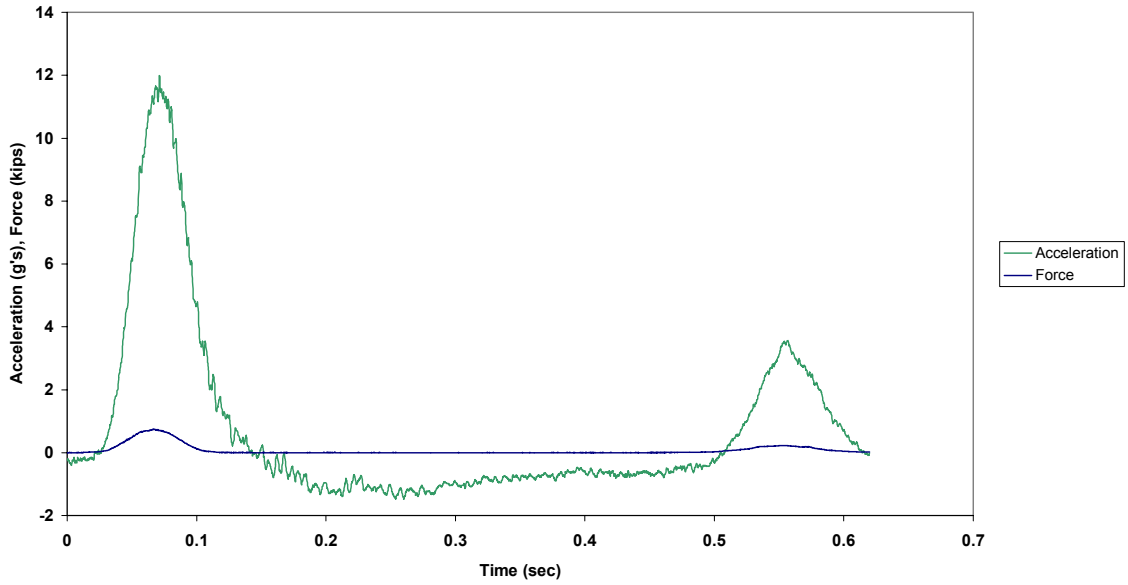


Figure B.265.1 Case 4CC: Force and Acceleration vs. Time

Case 4CC: Precycled 3/8 in. QS Polytron (25 lb from 85 in.)

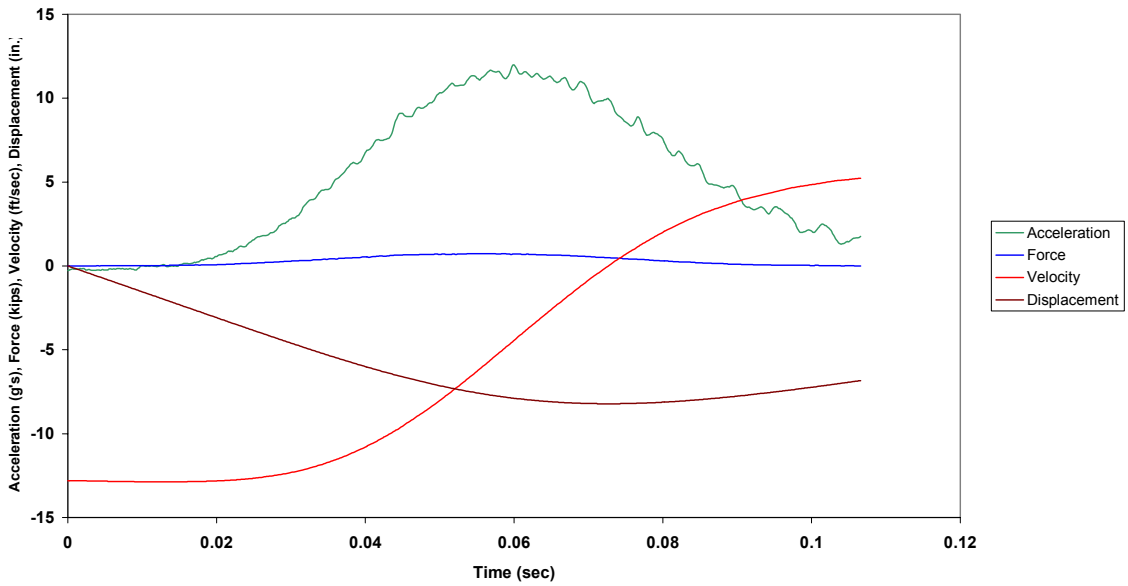


Figure B.265.2 Case 4CC: Combined Plot

Case 4CC: Precycled 3/8 in. QS Polytron (25 lb from 85 in.)

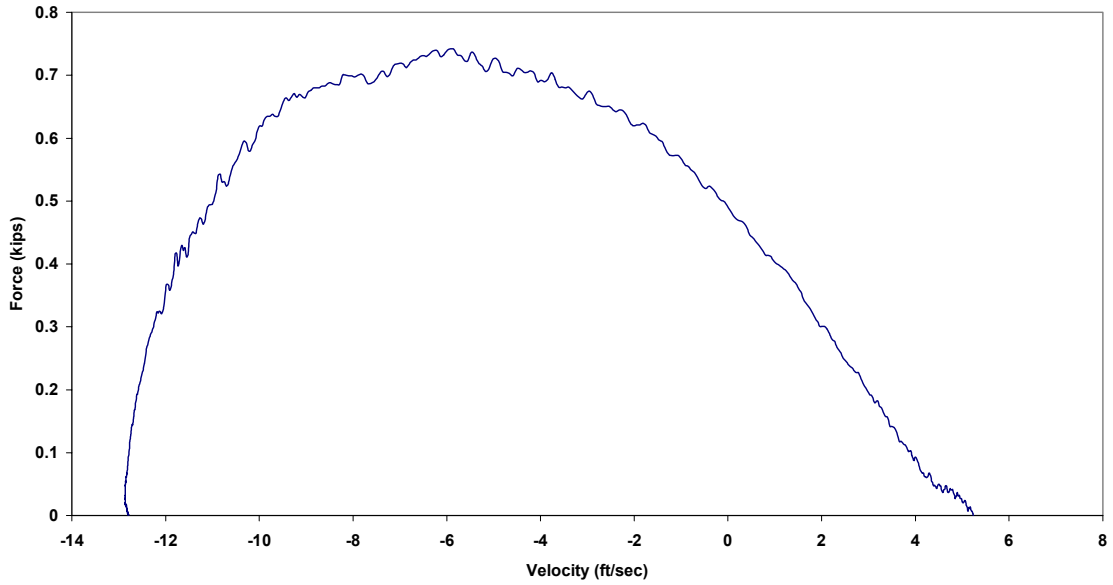


Figure B.265.3 Case 4CC: Force vs. Velocity

Case 4CC: Precycled 3/8 in. QS Polytron (25 lb from 85 in.)

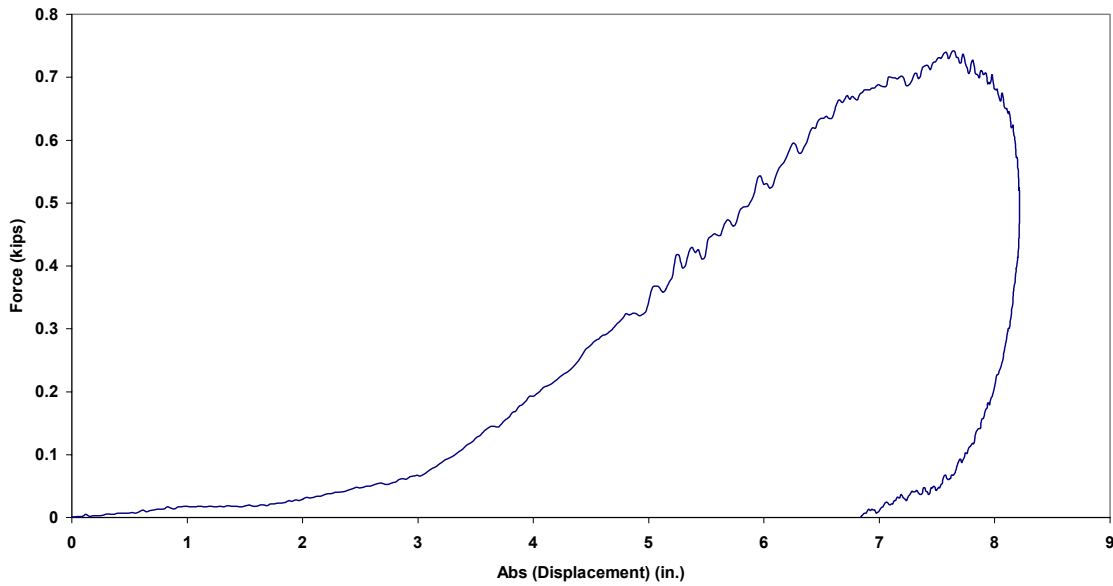


Figure B.265.4 Case 4CC: Force vs. Absolute Displacement

Case 5CC: Precycled 3/8 in. QS Polytron (45 lb from 55 in.)

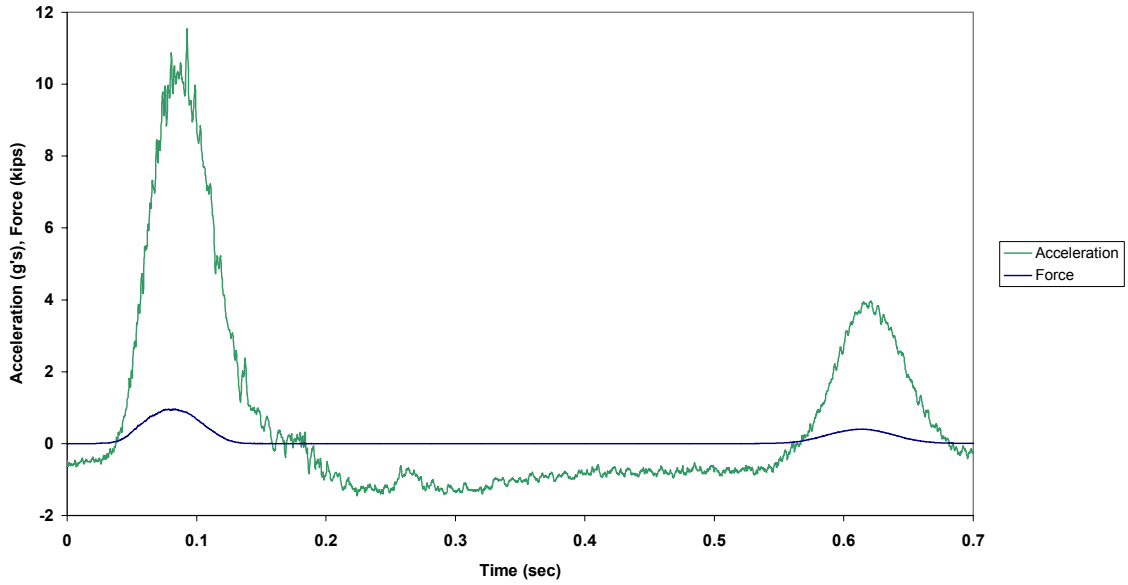


Figure B.266.1 Case 5CC: Force and Acceleration vs. Time

Case 5CC: Precycled 3/8 in. QS Polytron (45 lb from 55 in.)

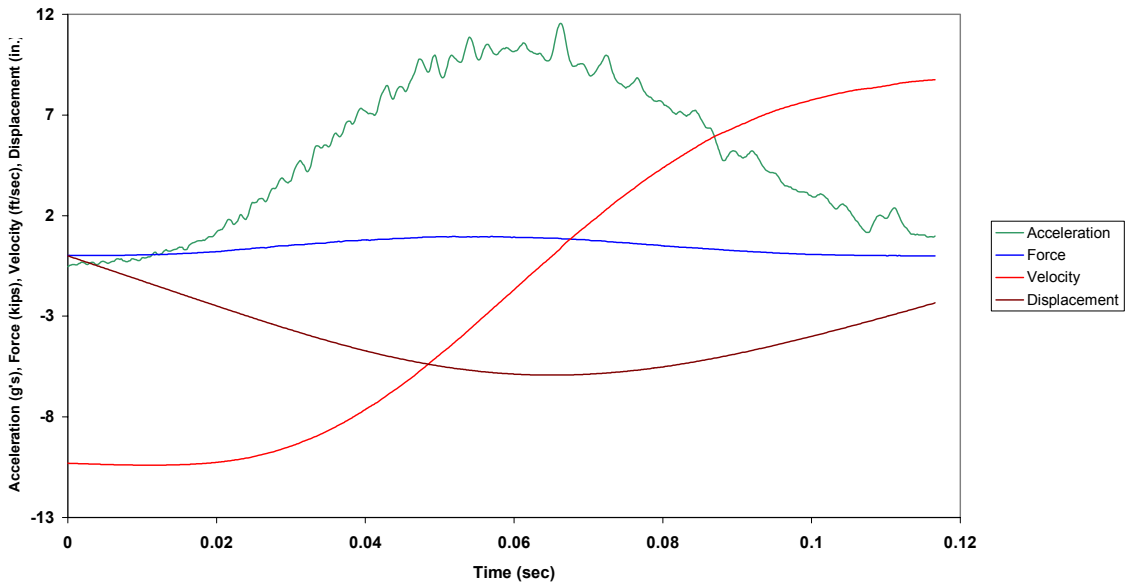


Figure B.266.2 Case 5CC: Combined Plot

Case 5CC: Precycled 3/8 in. QS Polytron (45 lb from 55 in.)

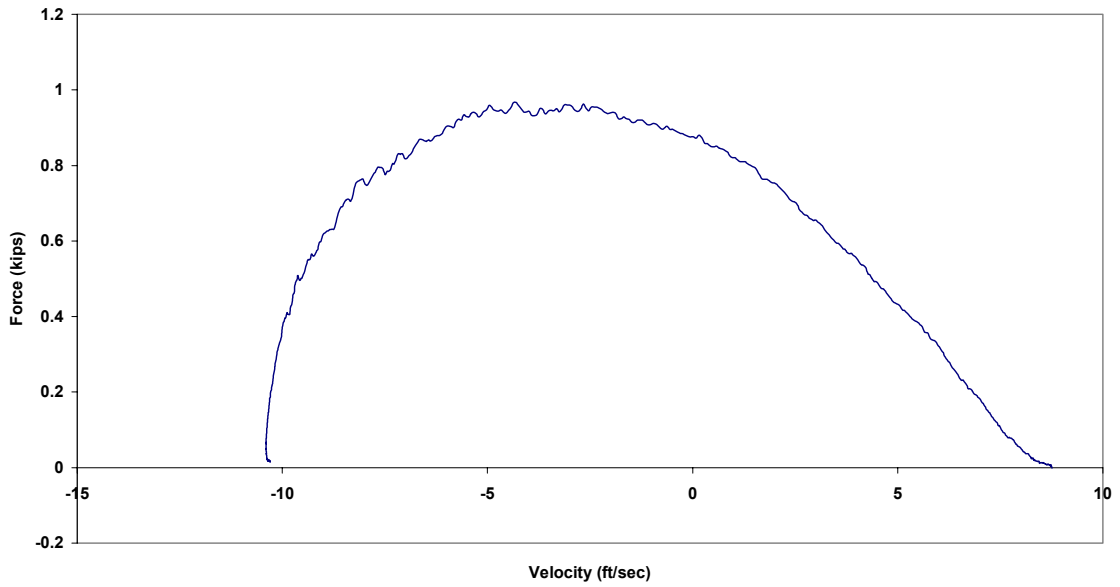


Figure B.266.3 Case 5CC: Force vs. Velocity

Case 5CC: Precycled 3/8 in. QS Polytron (45 lb from 55 in.)

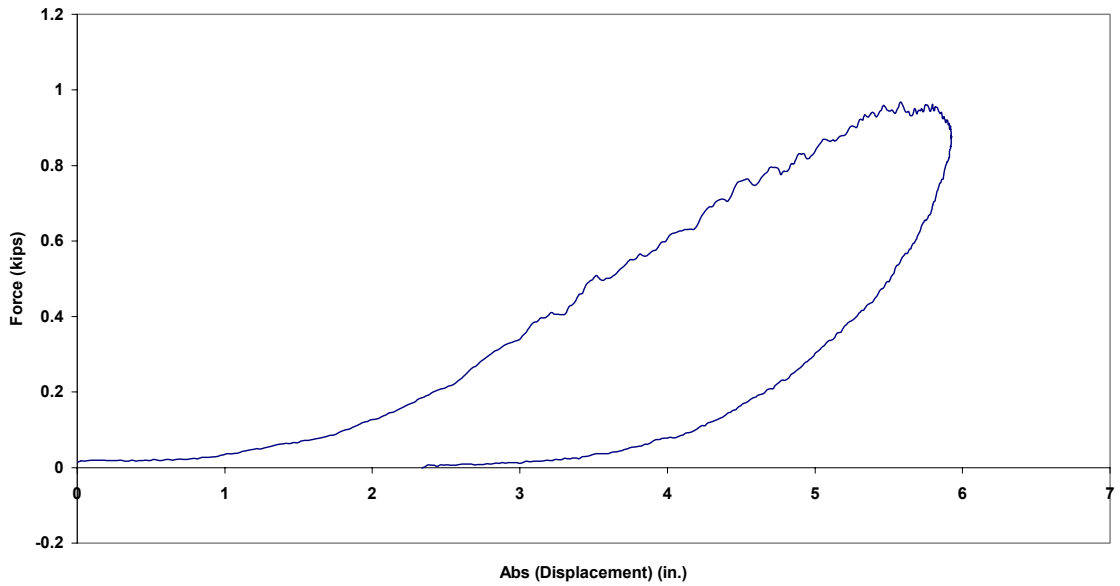


Figure B.266.4 Case 5CC: Force vs. Absolute Displacement

Case 6CC: Precycled 3/8 in. QS Polytron (45 lb from 61 in.)

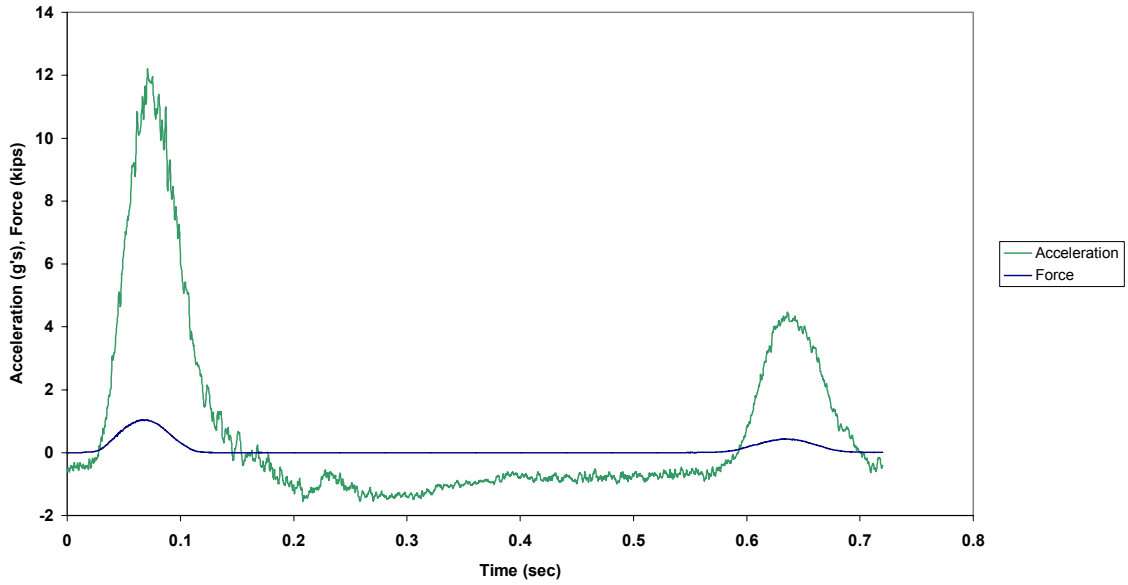


Figure B.267.1 Case 6CC: Force and Acceleration vs. Time

Case 6CC: Precycled 3/8 in. QS Polytron (45 lb from 61 in.)

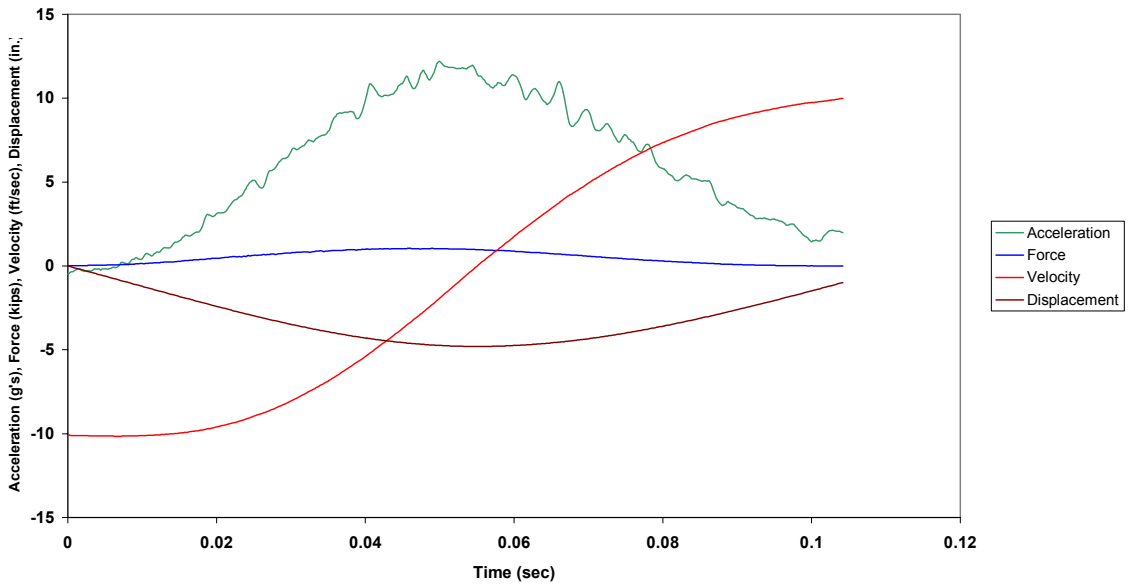


Figure B.267.2 Case 6CC: Combined Plot

Case 6CC: Precycled 3/8 in. QS Polytron (45 lb from 61 in.)

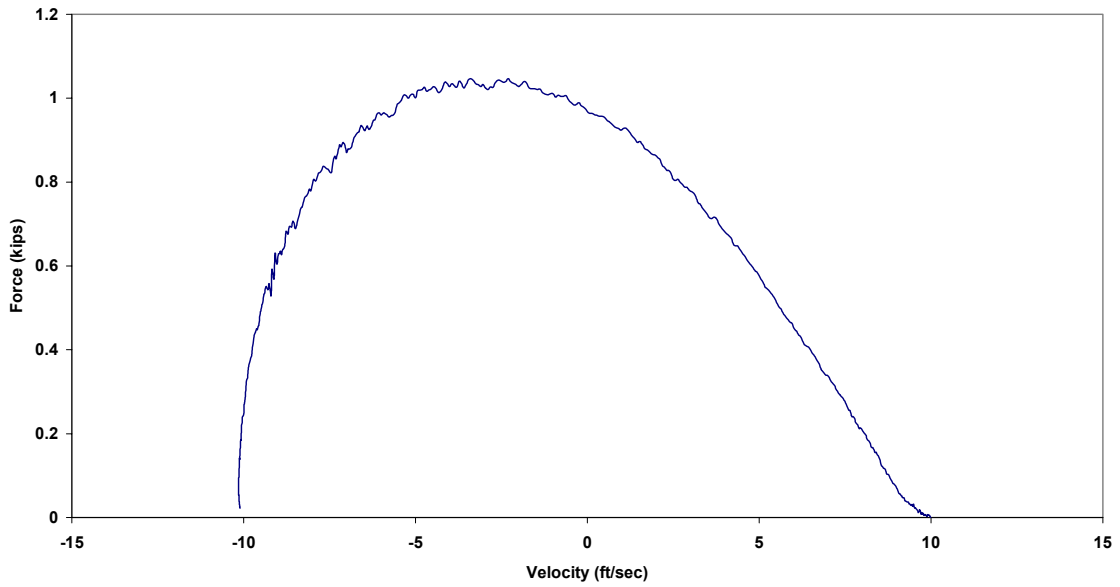


Figure B.267.3 Case 6CC: Force vs. Velocity

Case 6CC: Precycled 3/8 in. QS Polytron (45 lb from 61 in.)

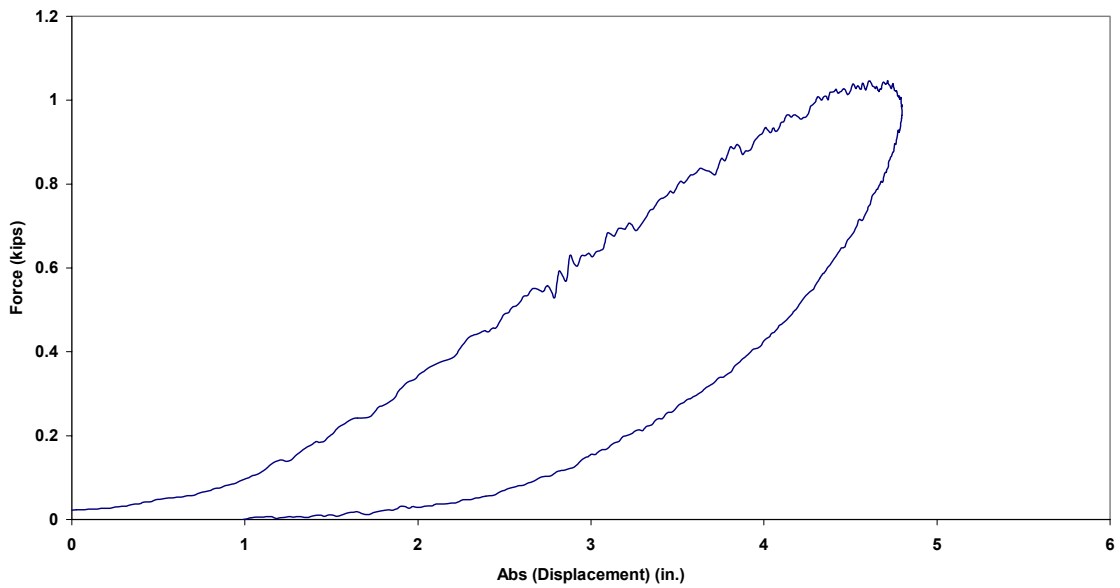


Figure B.267.4 Case 6CC: Force vs. Absolute Displacement

Case 1DD: New 3/8 in. QS Polytron (45 lb from 54 in.)

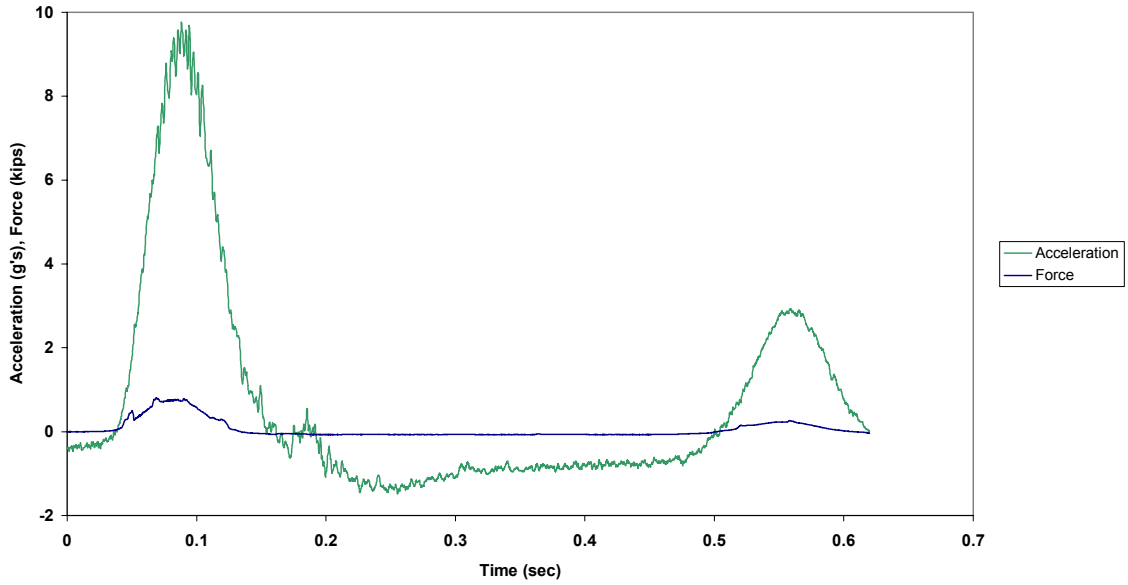


Figure B.268.1 Case 1DD: Force and Acceleration vs. Time

Case 1DD: New 3/8 in. QS Polytron (45 lb from 54 in.)

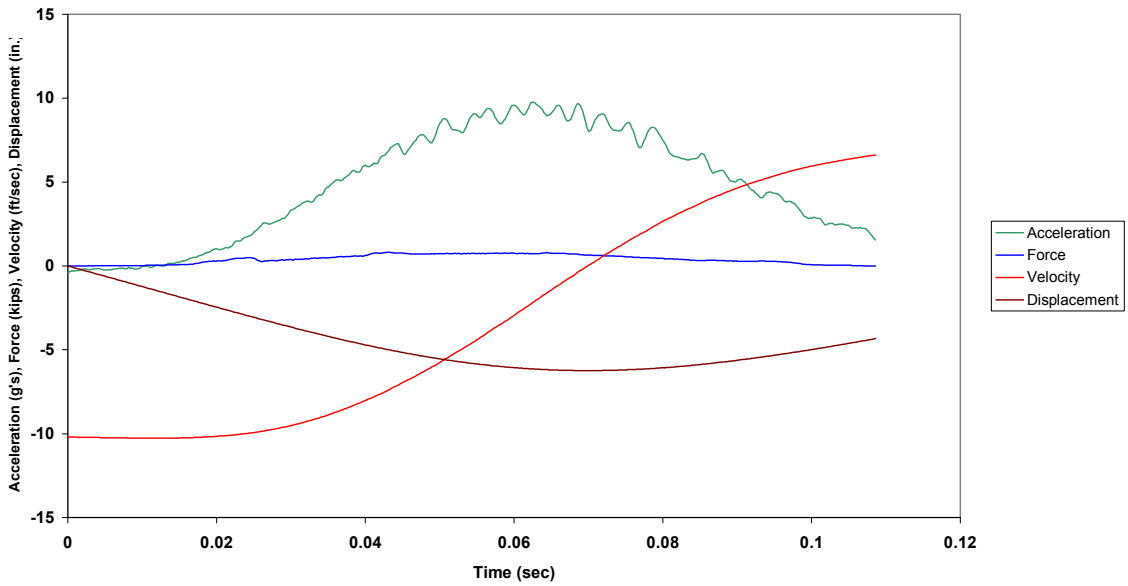


Figure B.268.2 Case 1DD: Combined Plot



Case 1DD: New 3/8 in. QS Polytron (45 lb from 54 in.)

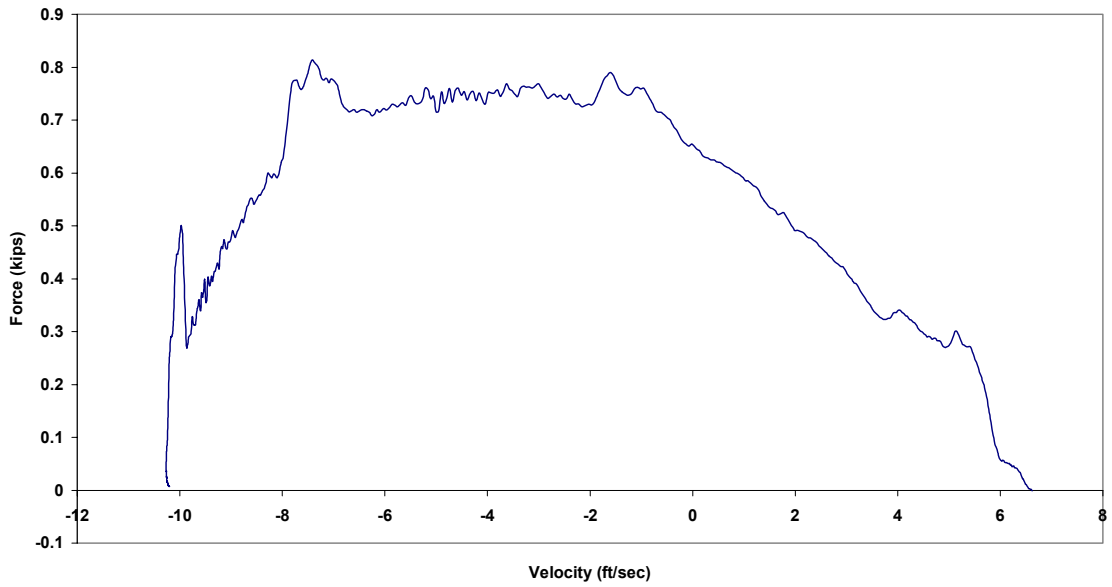


Figure B.268.3 Case 1DD: Force vs. Velocity

Case 1DD: New 3/8 in. QS Polytron (45 lb from 54 in.)

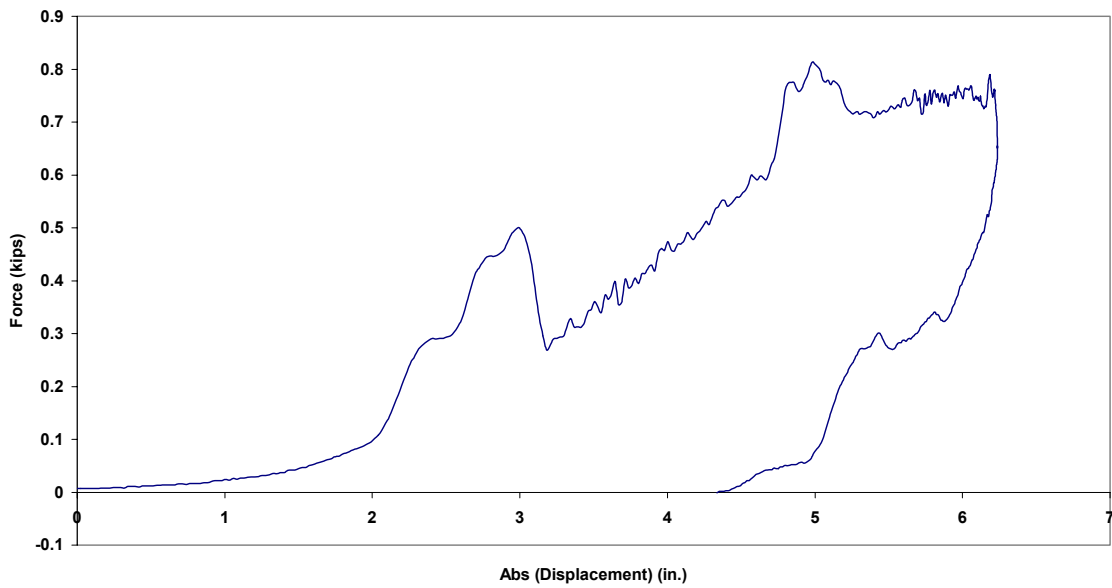


Figure B.268.4 Case 1DD: Force vs. Absolute Displacement

Case 2DD: New 3/8 in. QS Polytron (45 lb from 60 in.)

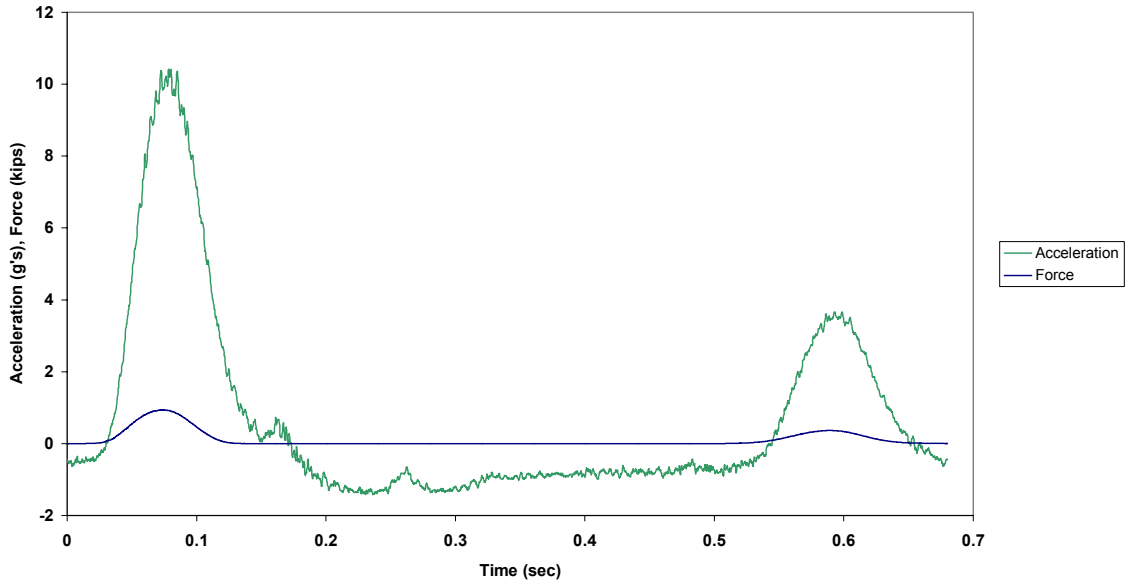


Figure B.269.1 Case 2DD: Force and Acceleration vs. Time

Case 2DD: New 3/8 in. QS Polytron (45 lb from 60 in.)

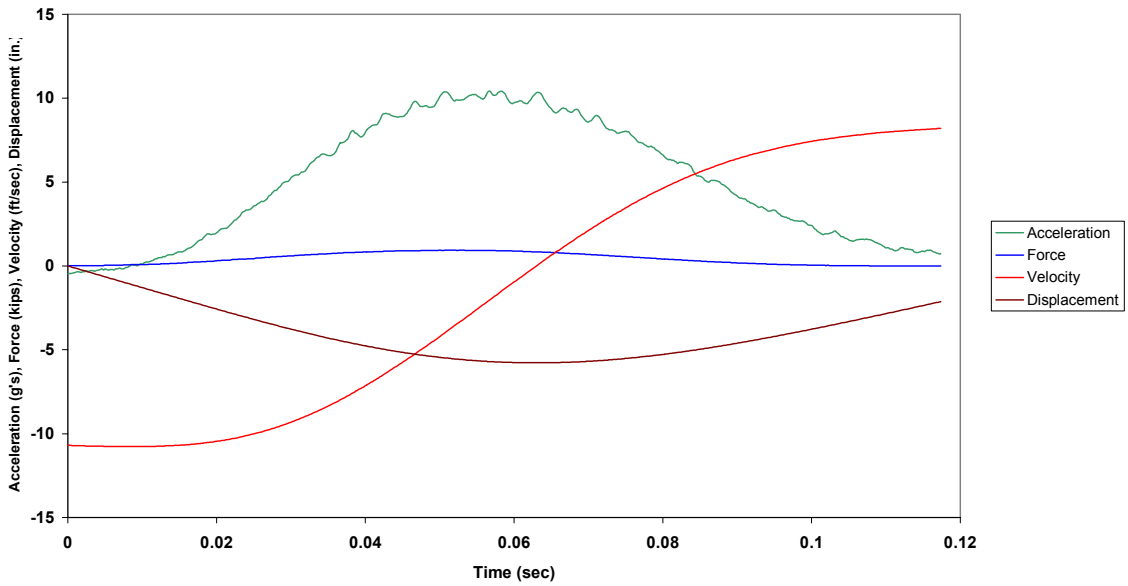


Figure B.269.2 Case 2DD: Combined Plot

Case 2DD: New 3/8 in. QS Polytron (45 lb from 60 in.)

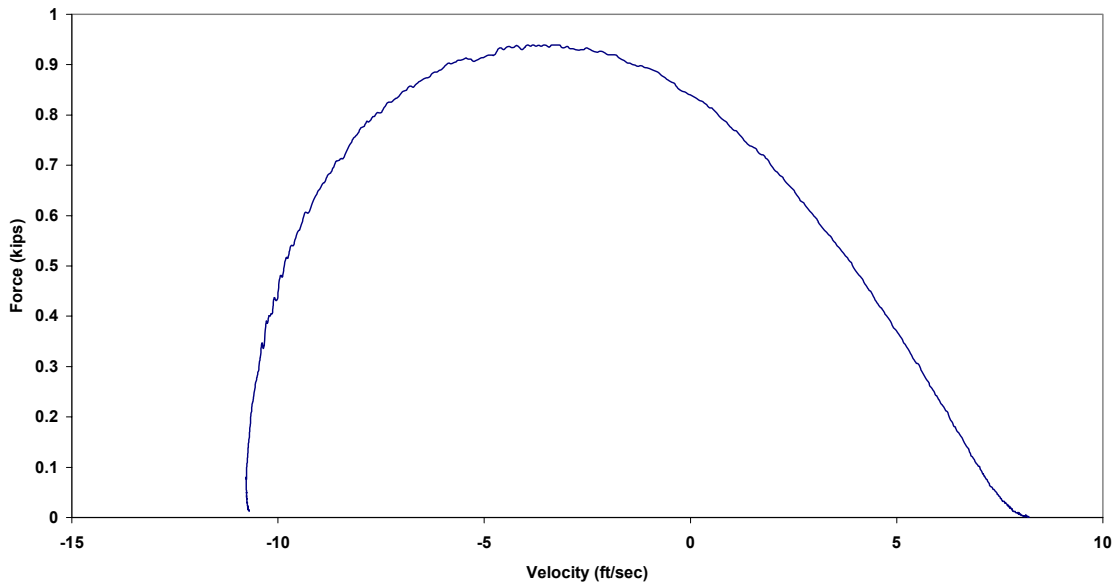


Figure B.269.3 Case 2DD: Force vs. Velocity

Case 2DD: New 3/8 in. QS Polytron (45 lb from 60 in.)

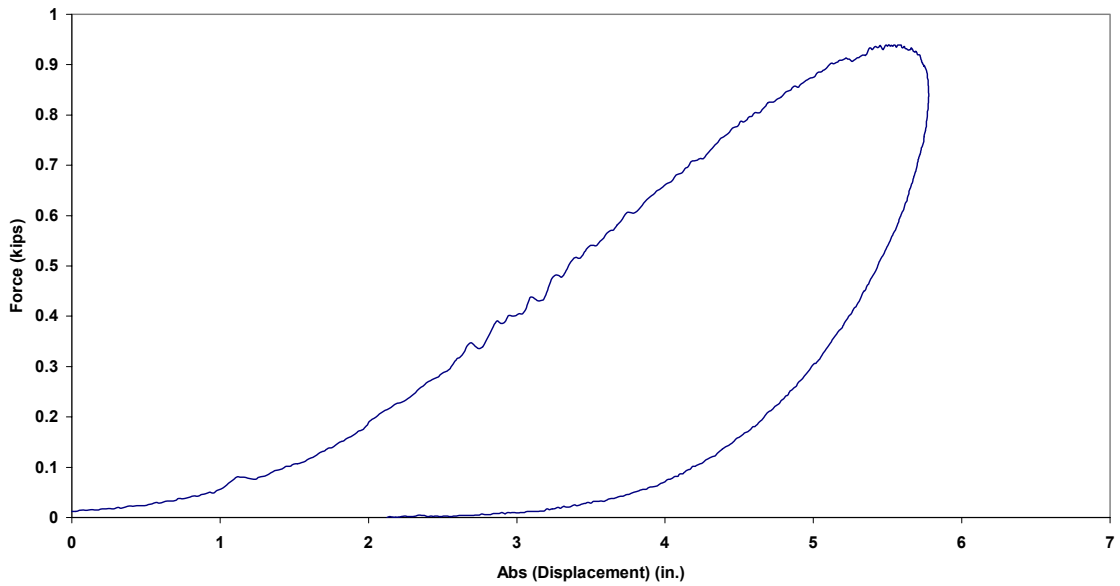


Figure B.269.4 Case 2DD: Force vs. Absolute Displacement

Case 1EE: New 1/2 in. QS Polytron (25 lb from 62 in.)

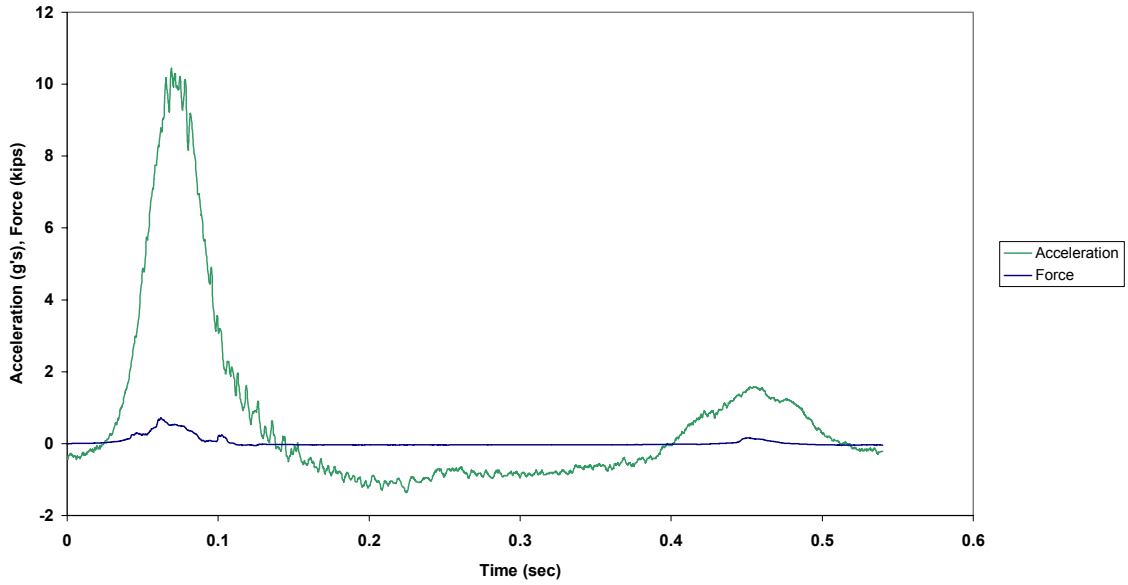


Figure B.270.1 Case 1EE: Force and Acceleration vs. Time

Case 1EE: New 1/2 in. QS Polytron (25 lb from 62 in.)

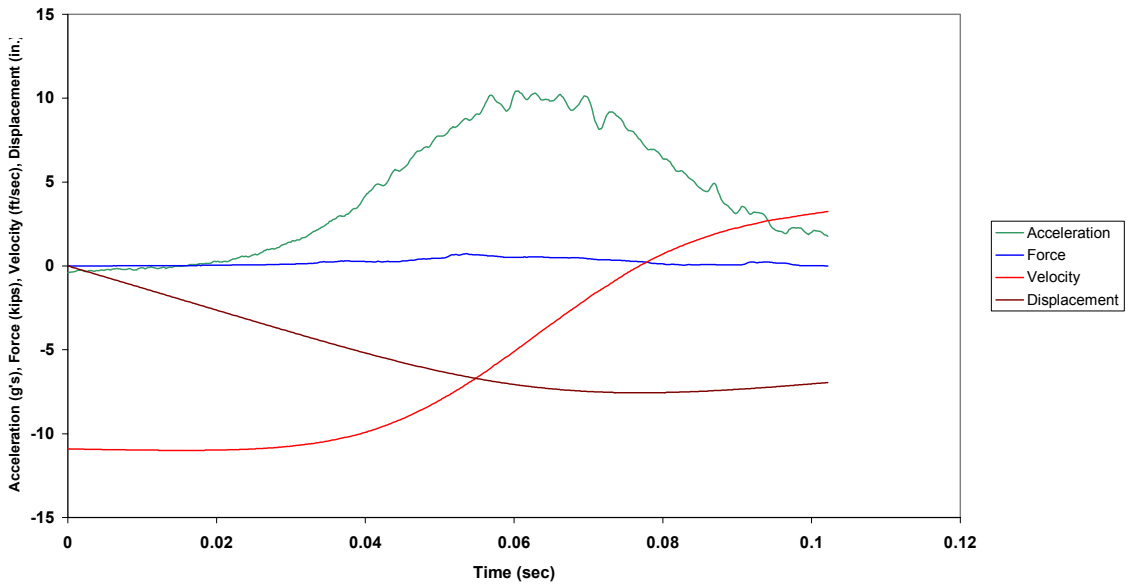


Figure B.270.2 Case 1EE: Combined Plot

Case 1EE: New 1/2 in. QS Polytron (25 lb from 62 in.)

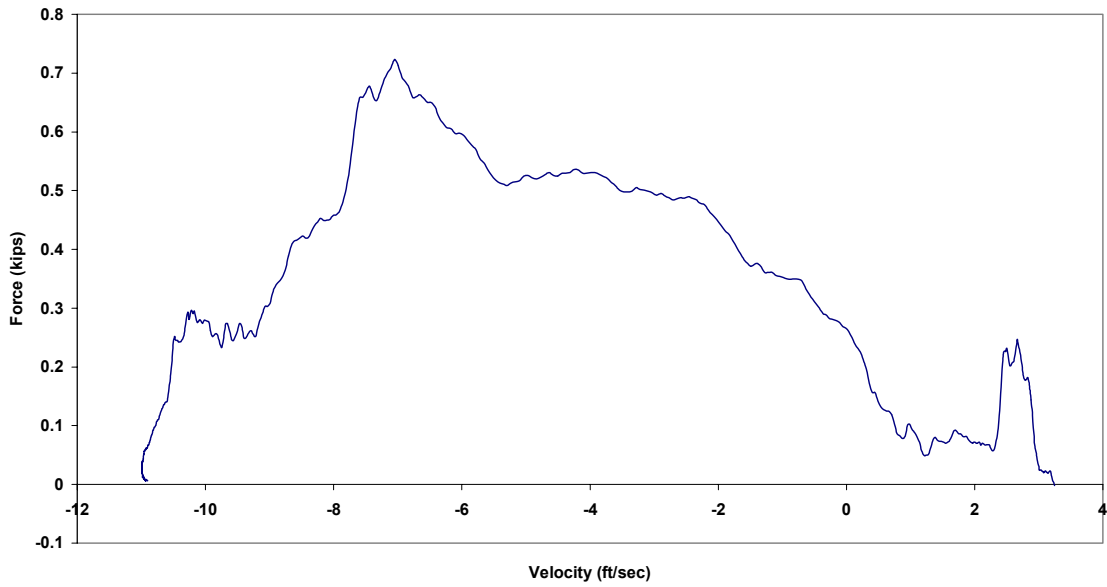


Figure B.270.3 Case 1EE: Force vs. Velocity

Case 1EE: New 1/2 in. QS Polytron (25 lb from 62 in.)

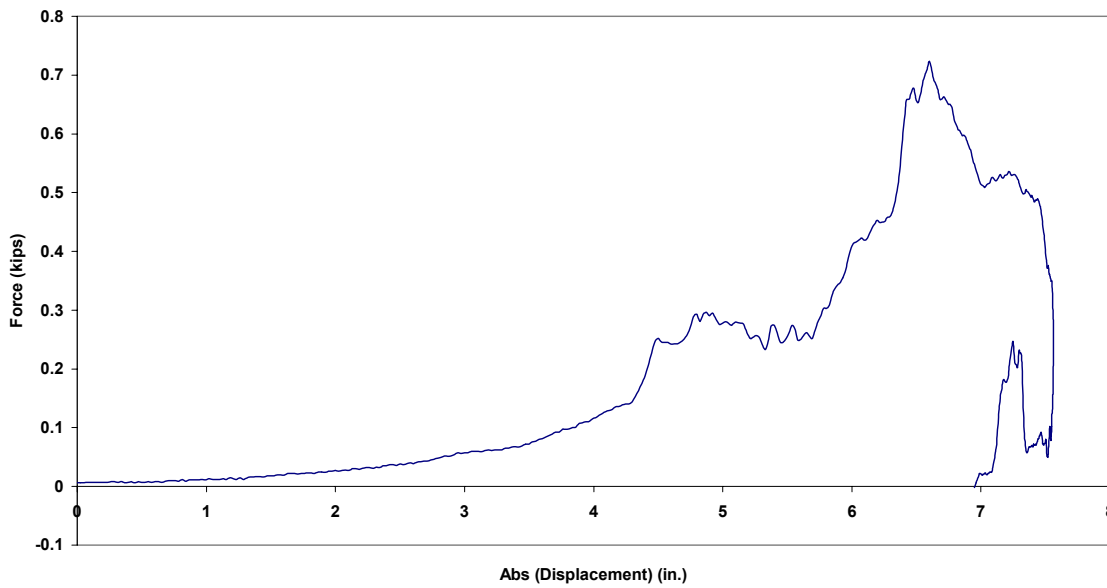


Figure B.270.4 Case 1EE: Force vs. Absolute Displacement

Case 2EE: New 1/2 in. QS Polytron (25 lb from 68 in.)

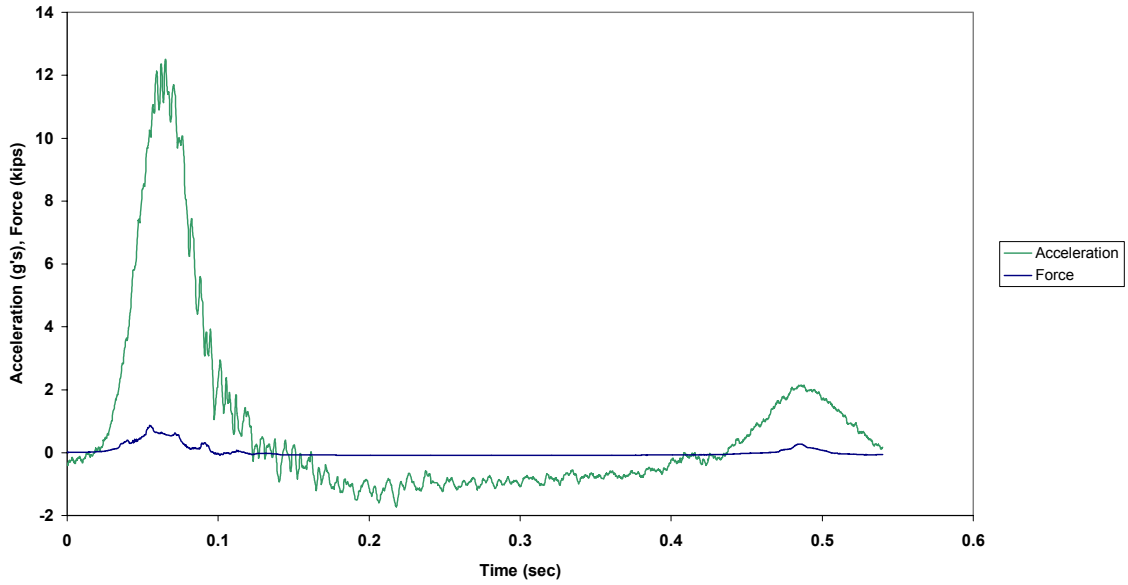


Figure B.271.1 Case 2EE: Force and Acceleration vs. Time

Case 2EE: New 1/2 in. QS Polytron (25 lb from 68 in.)

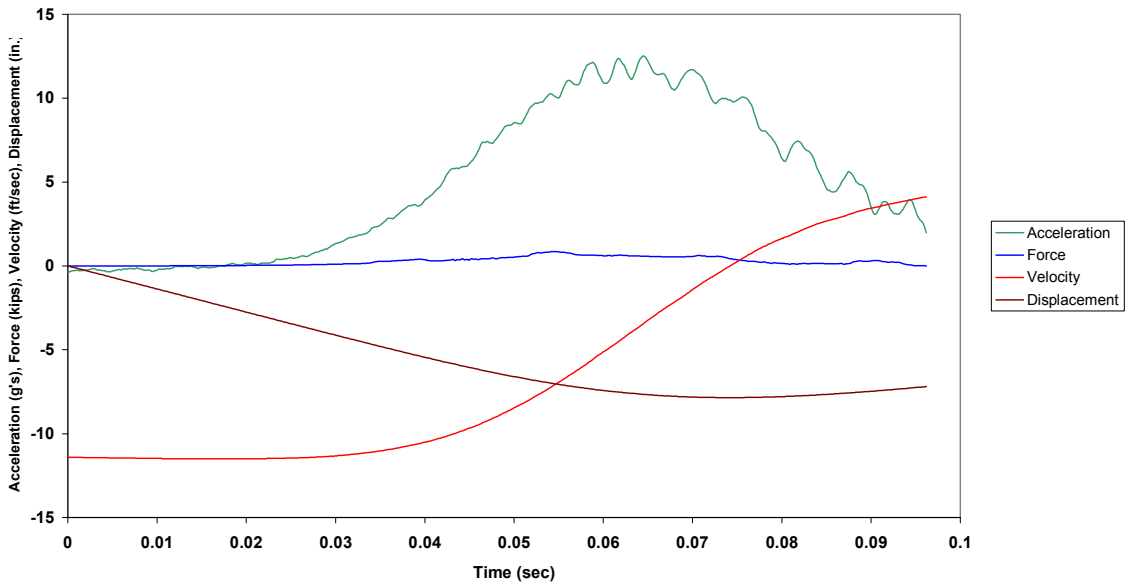


Figure B.271.2 Case 2EE: Combined Plot

Case 2EE: New 1/2 in. QS Polytron (25 lb from 68 in.)

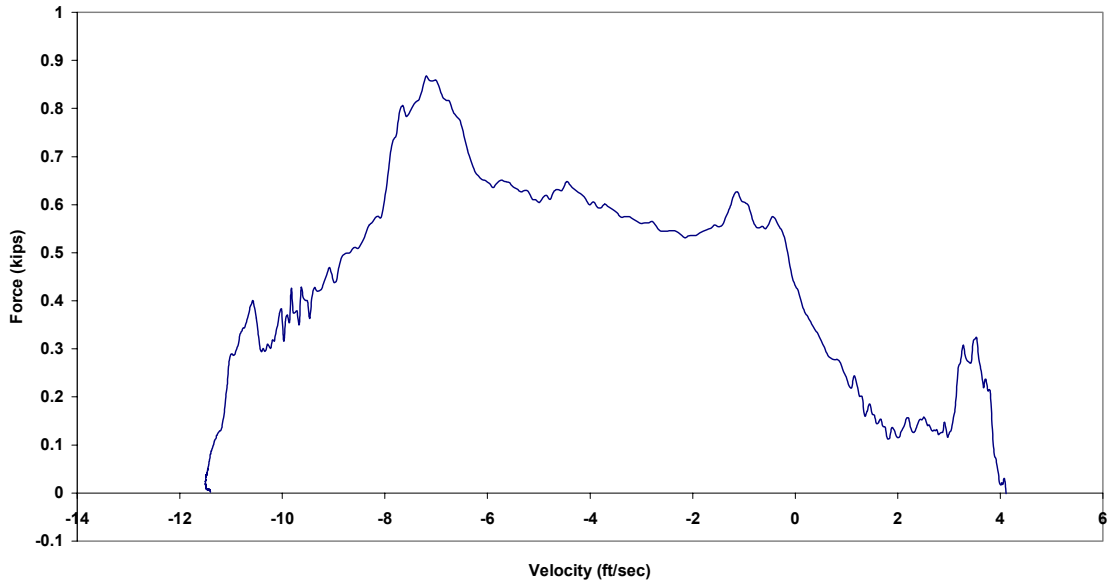


Figure B.271.3 Case 2EE: Force vs. Velocity

Case 2EE: New 1/2 in. QS Polytron (25 lb from 68 in.)

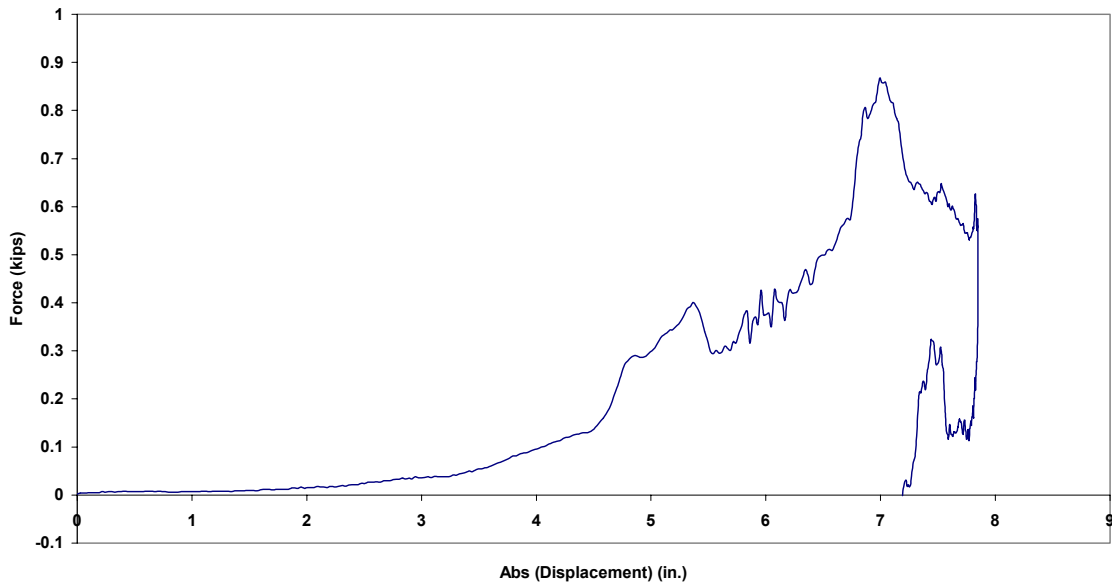


Figure B.271.4 Case 2EE: Force vs. Absolute Displacement

Case 3EE: New 1/2 in. QS Polytron (25 lb from 74 in.)

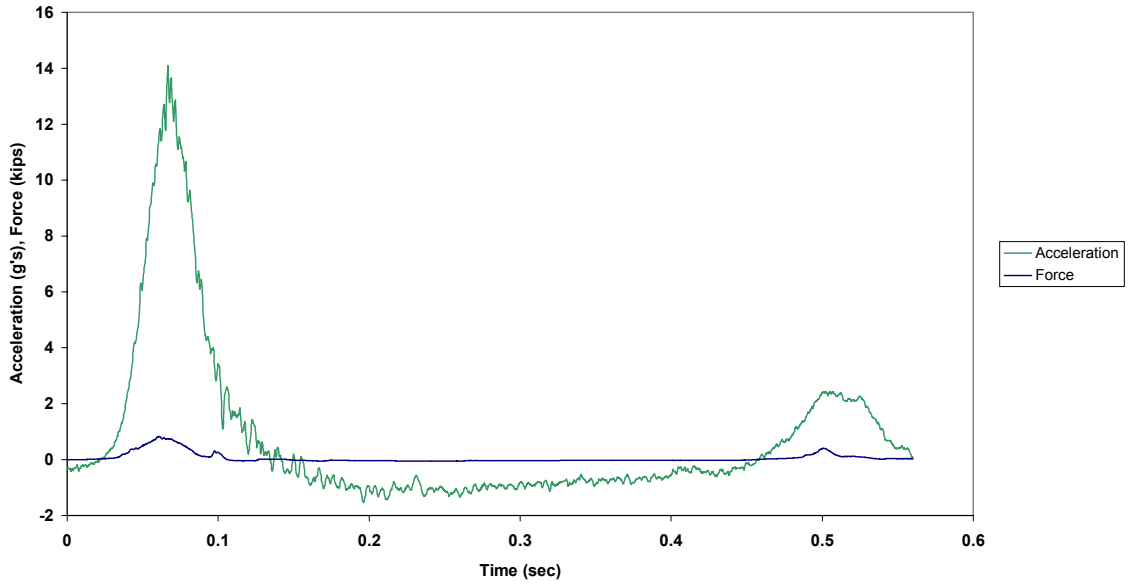


Figure B.272.1 Case 3EE: Force and Acceleration vs. Time

Case 3EE: New 1/2 in. QS Polytron (25 lb from 74 in.)

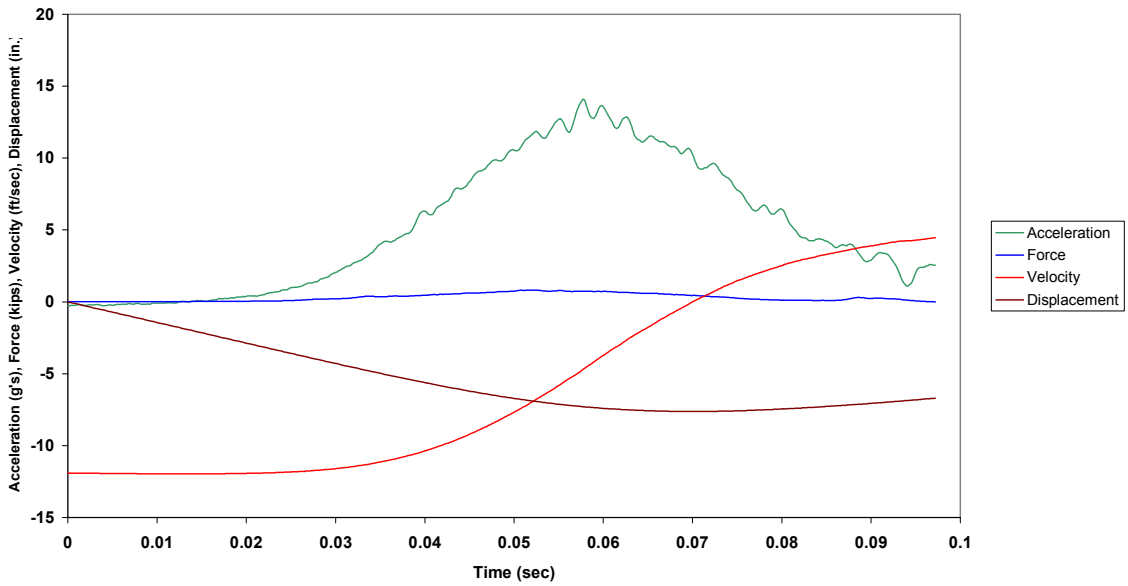


Figure B.272.2 Case 3EE: Combined Plot



Case 3EE: New 1/2 in. QS Polytron (25 lb from 74 in.)

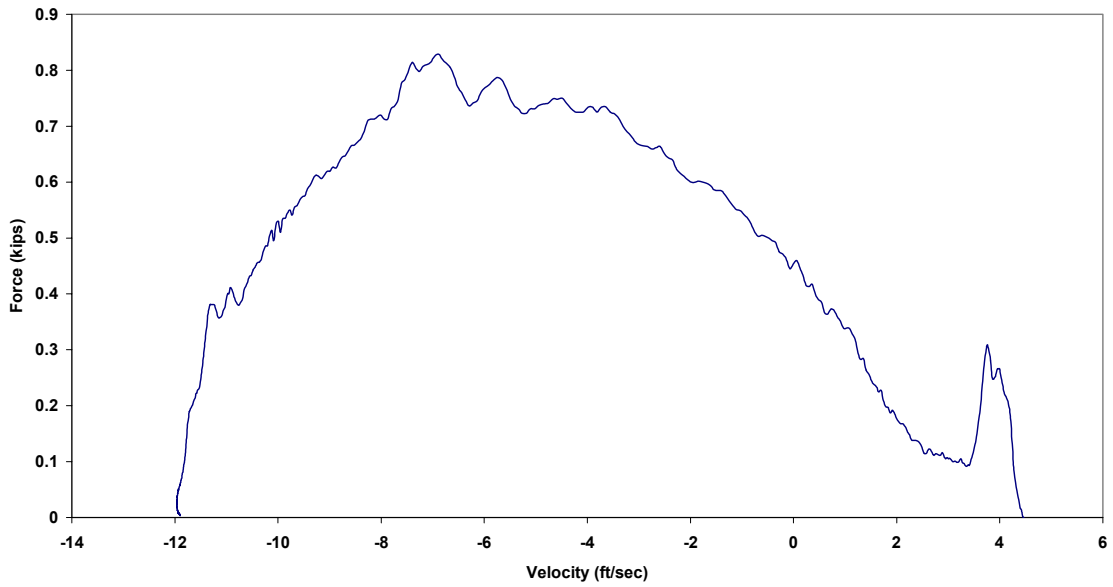


Figure B.272.3 Case 3EE: Force vs. Velocity

Case 3EE: New 1/2 in. QS Polytron (25 lb from 74 in.)

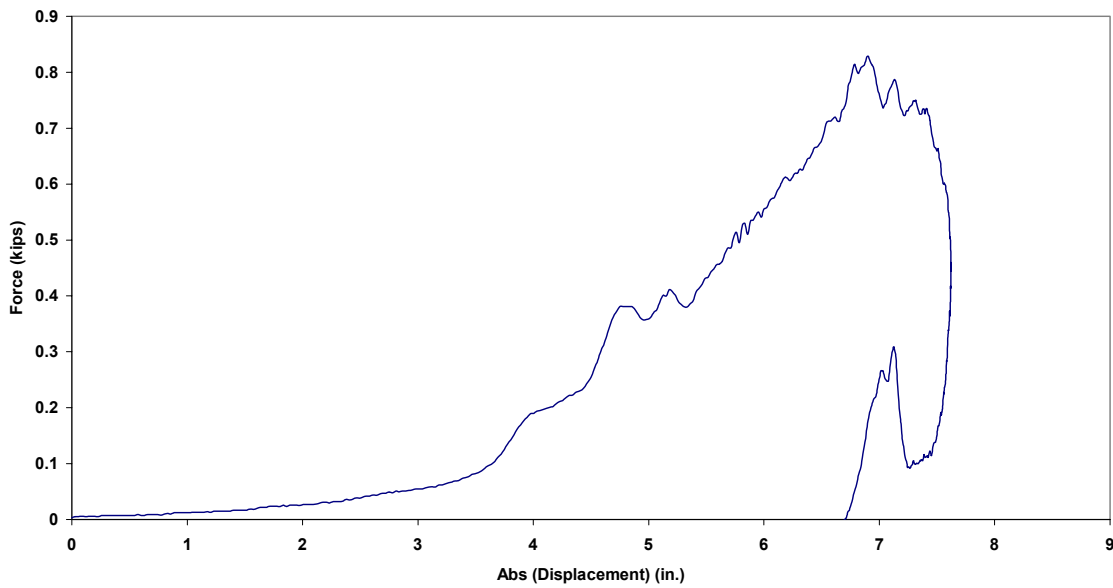


Figure B.272.4 Case 3EE: Force vs. Absolute Displacement