

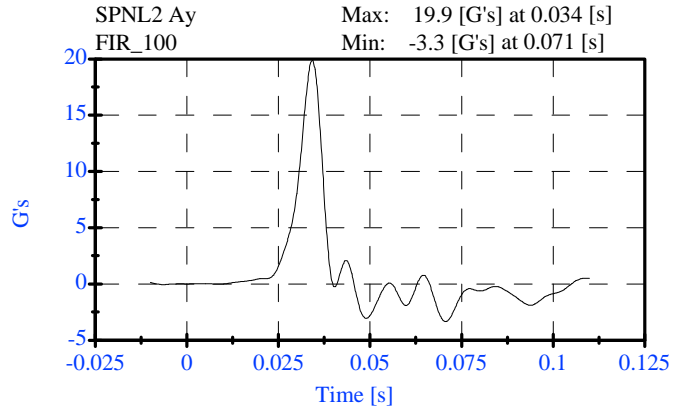
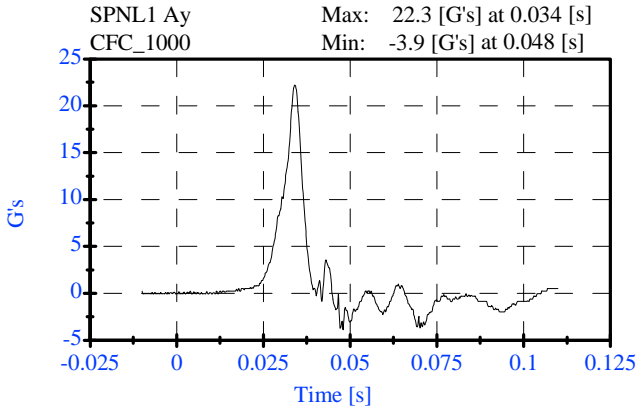
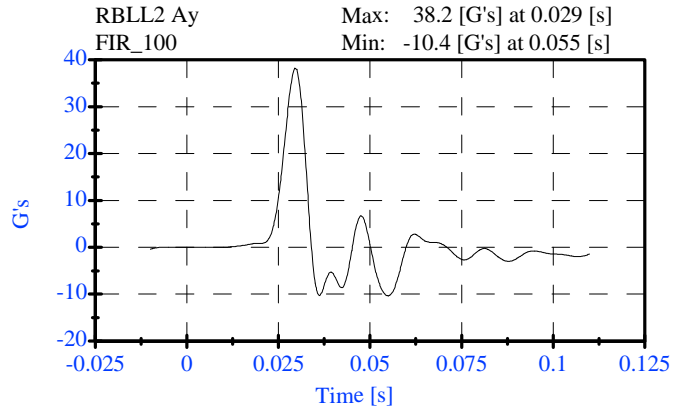
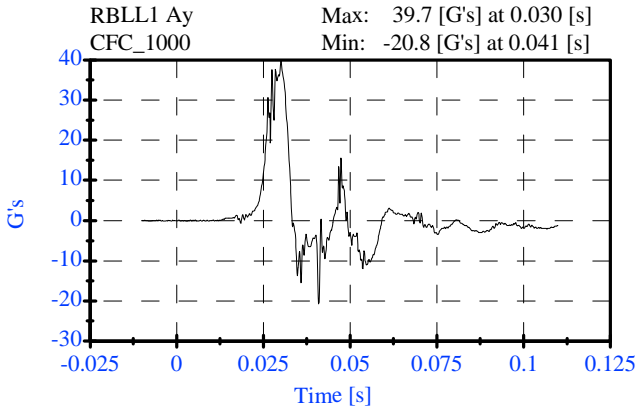
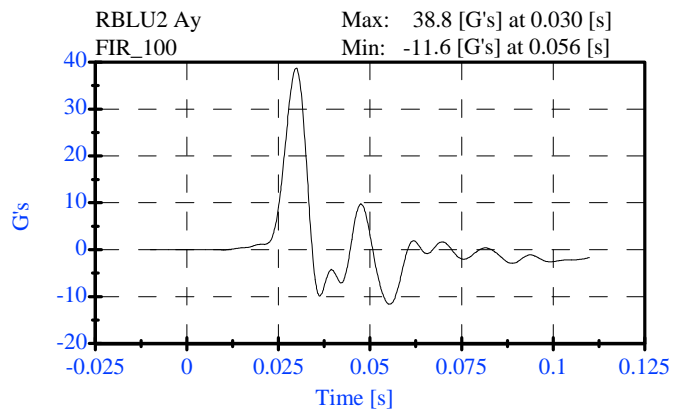
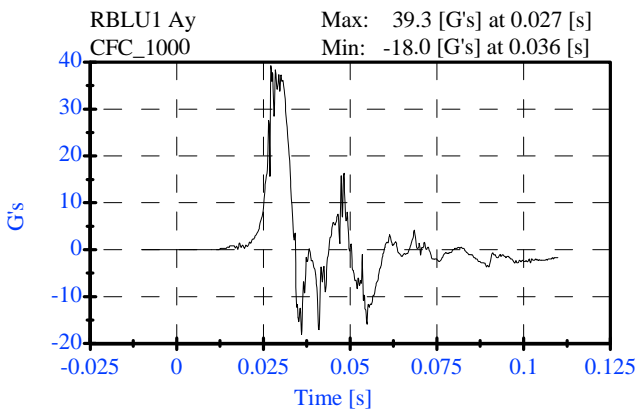
**Thorax Side Impact
Post-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 905
Date: January 7, 2008

Sequential Test Number: 1 File: 905T3 1-7-08
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	47.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.28 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	38.76 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	38.22 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	19.90 G's	Passed



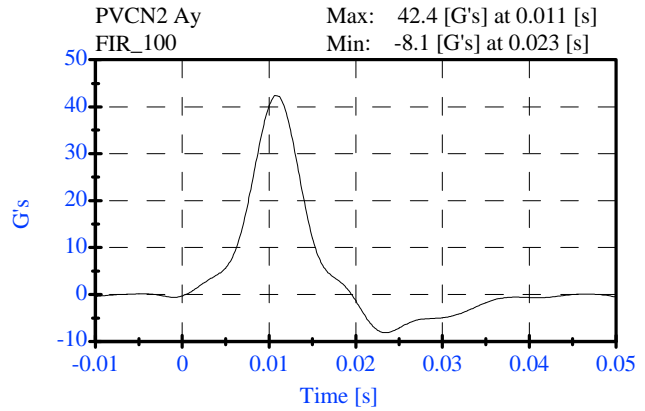
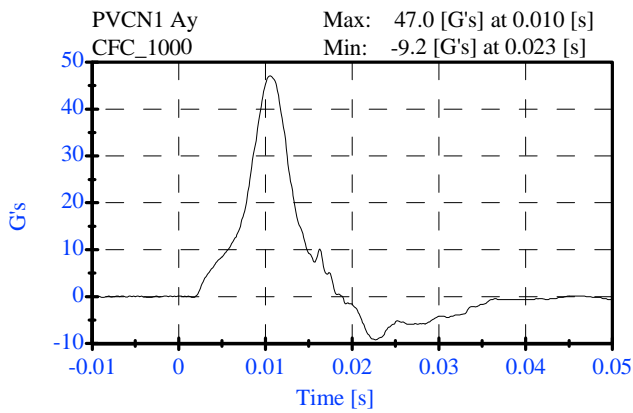
**Pelvis Impact Left Side
Post-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 905
Date: December 27, 2007

Sequential Test Number: 1 File: 905P 12-27-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.28 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	42.40 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	6.4 ms	Passed



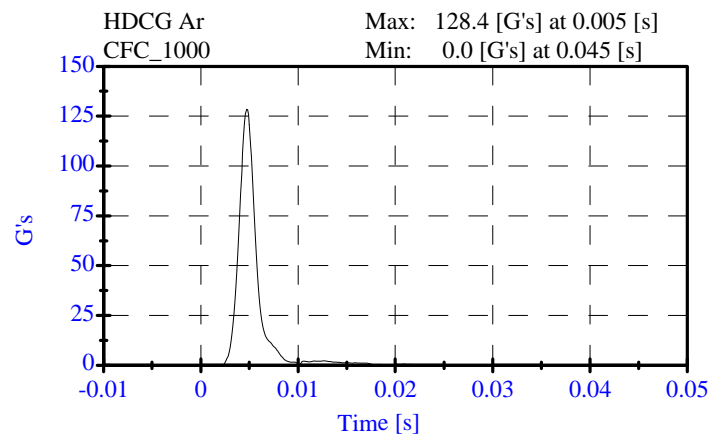
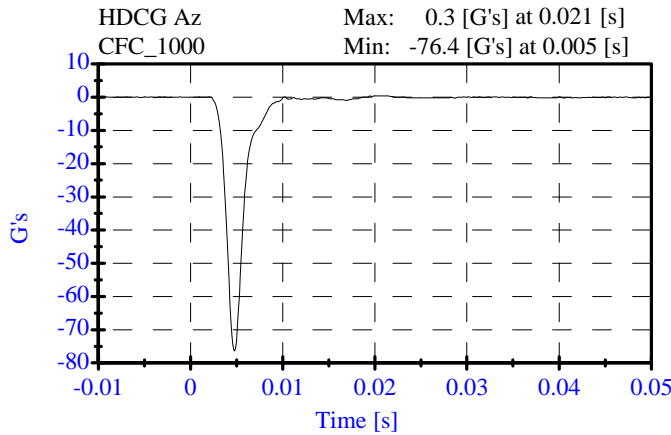
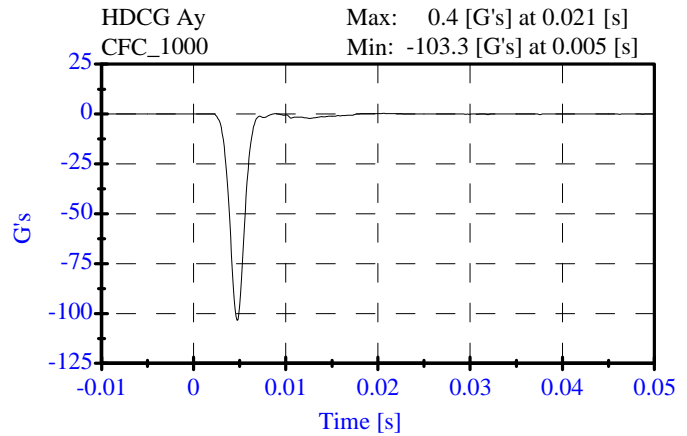
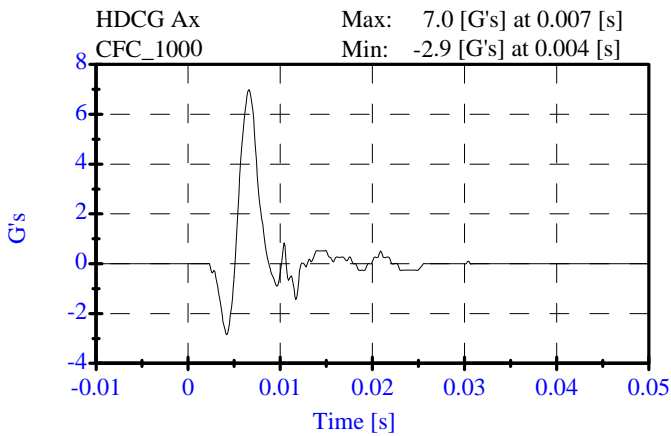
**Head Drop
Post-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 905
Date: 1-10-08

Sequential Test Number: 1 File: 905H2 1-10-08
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	32.00 %	Passed
Peak Resultant Accel.:	120-150 Gs	128.36 Gs	Passed
Peak Lateral Accel.:	15 Gs Max	6.99 Gs	Passed
Curve PerCent NonModal:	< 15%	1.79 %	Passed



**Neck test
Post-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 905
Date: 12-20-07

Sequential Test Number: 1 File: 905N8 12-20-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	20.6-22.2 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Impact Velocity:	6.89- 7.13 m/s	6.93 m/s	Passed
PENDULUM DELTA V			
Delta V at 10 ms:	1.96- 2.55 m/s	2.09 m/s	Passed
Delta V at 20 ms:	4.12- 5.10 m/s	4.26 m/s	Passed
Delta V at 30 ms:	5.73- 7.01 m/s	5.88 m/s	Passed
Delta V between 40-70 ms:	6.27- 7.64 m/s	6.98 m/s	Passed
D PLANE ROTATION			
Maximum Rotation:	66.0-82.0 Deg	70.34 Deg	Passed
Rotation Angle Decay:	58.0-67.0 ms	59.40 ms	Passed
MOMENT ABOUT THE OCCIPITAL CONDYLE			
Max Occipital Moment:	73.00- 88.00 N-m	86.51 N-m	Passed
Occipital Moment Decay:	49.0-64.0 ms	51.00 ms	Passed
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT			
Moment to Rotation Peak:	2.0-16.0 ms	6.40 ms	Passed

**Neck test
Post-Test**

CONFIGURED FOR LEFT SIDE IMPACT

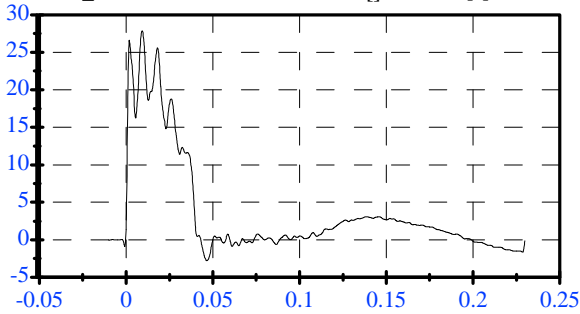
ATD Serial No: 905

Date: 12-20-07

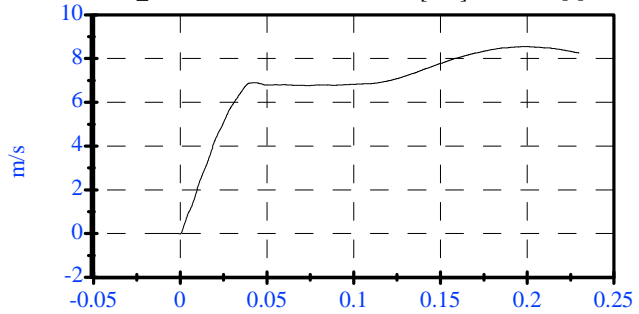
Sequential Test Number: 1 File: 905N8 12-20-07

Laboratory Technician: B. Swiecicki

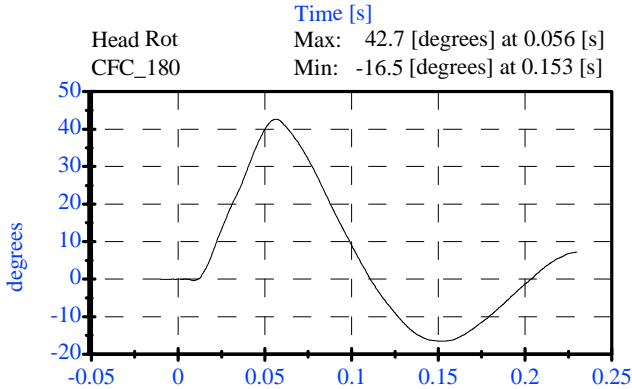
Pend Ax
CFC_180
Max: 27.9 [] at 0.009 [s]
Min: -2.8 [] at 0.047 [s]



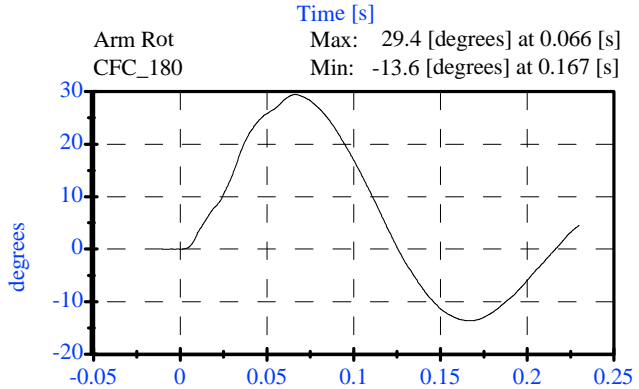
Pend Vx
CFC_180
Max: 8.5 [m/s] at 0.199 [s]
Min: -0.0 [m/s] at -0.000 [s]



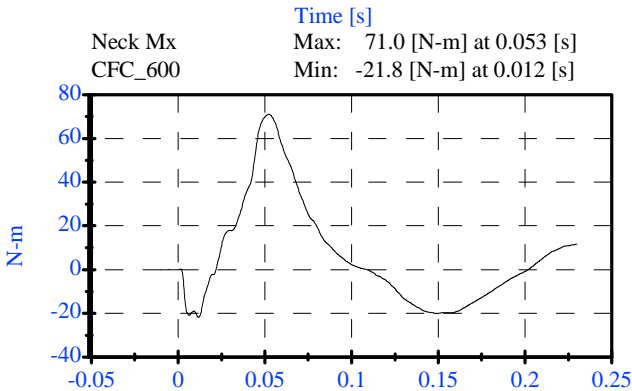
Head Rot
CFC_180
Max: 42.7 [degrees] at 0.056 [s]
Min: -16.5 [degrees] at 0.153 [s]



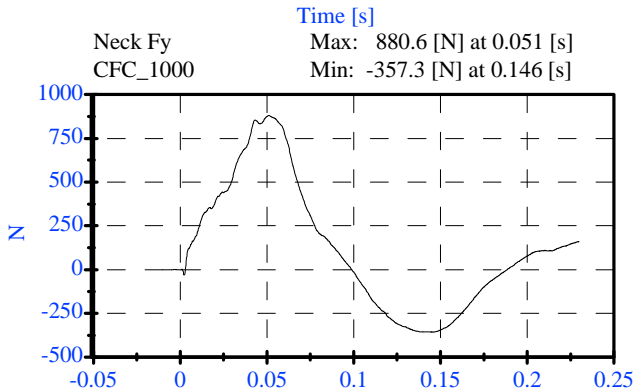
Arm Rot
CFC_180
Max: 29.4 [degrees] at 0.066 [s]
Min: -13.6 [degrees] at 0.167 [s]



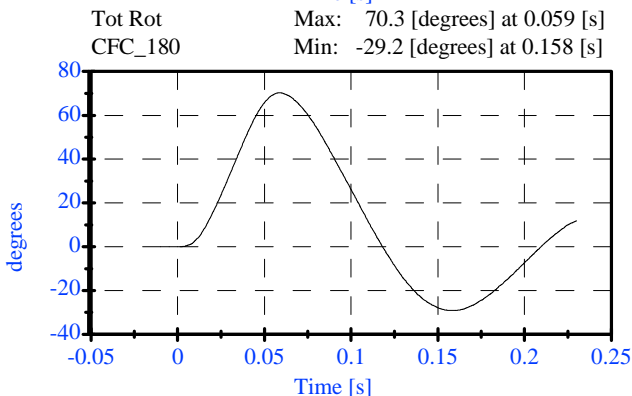
Neck Mx
CFC_600
Max: 71.0 [N-m] at 0.053 [s]
Min: -21.8 [N-m] at 0.012 [s]



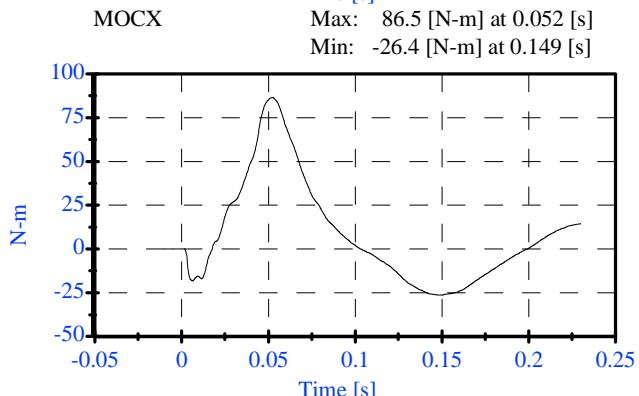
Neck Fy
CFC_1000
Max: 880.6 [N] at 0.051 [s]
Min: -357.3 [N] at 0.146 [s]



Tot Rot
CFC_180
Max: 70.3 [degrees] at 0.059 [s]
Min: -29.2 [degrees] at 0.158 [s]



MOCX
Max: 86.5 [N-m] at 0.052 [s]
Min: -26.4 [N-m] at 0.149 [s]



**Abdomen Test
Post-Test**

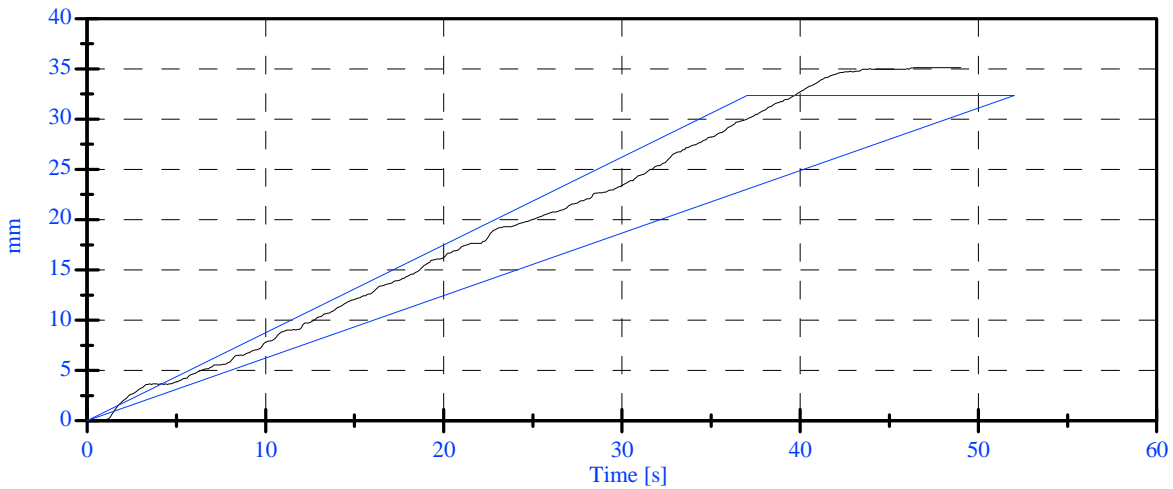
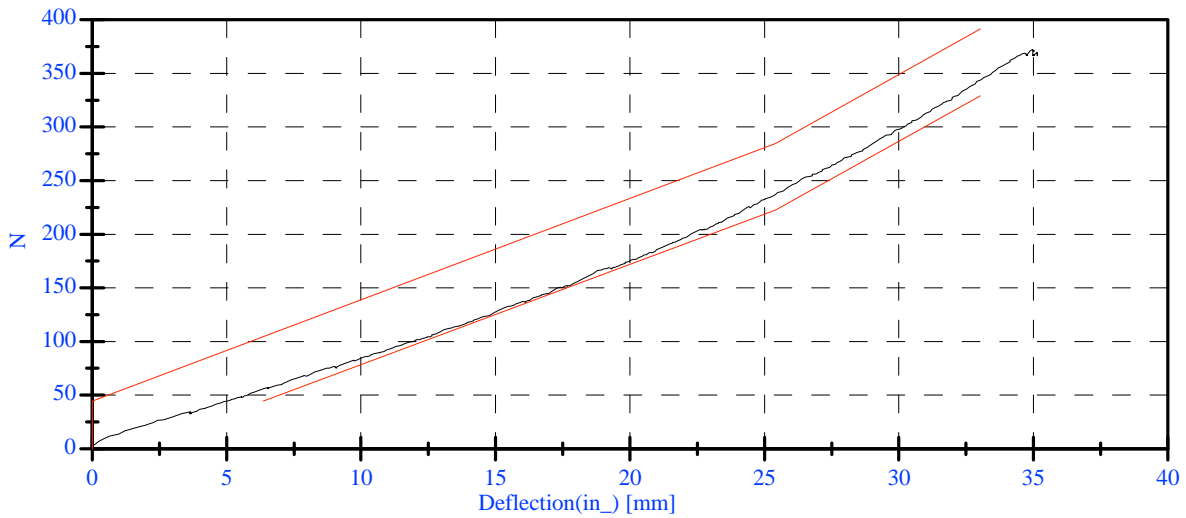
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 905
Date: 01-09-08

Sequential Test Number: 1 File: 905 Ab2 1-9-08
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	109.27 N	Passed
Force at 19.05 mm :	162.98-220.99 N	167.63 N	Passed
Force at 25.40 mm :	221.97-280.02 N	236.87 N	Passed
Force at 33.02 mm :	324.99-391.00 N	344.16 N	Passed

ABDOMINAL COMPRESSION TEST



Lumbar Spine Flexion Test
POST TEST
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 905
 Date: 12-28-07

Sequential Test Number: 1 File: 905 Spine 12-28-07
 Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	1.83 N	Passed
Force at 20 Deg:	97.86-151.24 N	110.73 N	Passed
Force at 30 Deg	151.24-204.62 N	174.45 N	Passed
Force at 40 Deg	204.62-258.00 N	227.20 N	Passed
Return Angle	12 Deg Max	11.73 deg	Passed

LUMBAR SPINE FLEXION TEST

