

REPORT NUMBER KAR21062-01

**NEW CAR ASSESSMENT PROGRAM
SIDE IMPACT TEST**

**HONDA MOTOR COMPANY
2002 HONDA CR-V EX
4WD SUV**

NHTSA NUMBER: HO5301

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FEBRUARY 4, 2002

FINAL REPORT

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16. Abstract A 55/28 km/h 90 deg. Moving Deformable Barrier Side Impact NCAP Test was conducted on the subject 2002 Honda CR-V EX 4WD SUV in accordance with the specifications of the Office of Crash Worthiness Standards Test Procedure for the generation of consumer information on vehicle side crash protection. The test was conducted at KARCO Engineering laboratories in Adelanto, California, on January 30, 2002. The impact velocity of the Moving Deformable Barrier was 62.00 km/h, and the outside ambient temperature at the struck (driver's) side of the vehicle was 3.9 deg. C. The target vehicle's maximum post test static crush was 298 mm located at level 3 . The test vehicle's occupant performance is as follows: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Measurement Description</th> <th style="width: 30%;">Driver SID</th> <th style="width: 35%;">Passenger SID</th> </tr> </thead> <tbody> <tr> <td>Left Upper Rib (LUR) G's</td> <td style="text-align: center;">34.5</td> <td style="text-align: center;">34.6</td> </tr> <tr> <td>Left Lower Rib (LLR) G's</td> <td style="text-align: center;">37.0</td> <td style="text-align: center;">46.6</td> </tr> <tr> <td>Lower Spine (T₁₂) G's</td> <td style="text-align: center;">43.8</td> <td style="text-align: center;">45.4</td> </tr> <tr> <td>Thoracic Trauma Index (TTI) G's</td> <td style="text-align: center;">40</td> <td style="text-align: center;">46</td> </tr> <tr> <td>Pelvis (PEV) G's</td> <td style="text-align: center;">61</td> <td style="text-align: center;">79</td> </tr> </tbody> </table>				Measurement Description	Driver SID	Passenger SID	Left Upper Rib (LUR) G's	34.5	34.6	Left Lower Rib (LLR) G's	37.0	46.6	Lower Spine (T ₁₂) G's	43.8	45.4	Thoracic Trauma Index (TTI) G's	40	46	Pelvis (PEV) G's	61	79
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SECTION 1

PURPOSE and TEST PROCEDURE

1.1 PURPOSE

This Side Impact NCAP test is conducted as part of the FY' 2002 test program sponsored by the National Highway Traffic Safety Administration (NHTSA), under contract No. DTNH22-99-D-02041. The purpose of this test is to generate comparative side impact data on a 2002 Honda CR-V EX 4WD SUV manufactured by Honda Motor Company.

1.2 TEST PROCEDURE

The side impact test was conducted in accordance with the current National Highway Traffic Safety Administration (NHTSA), Office of Crashworthiness Standards (OCS), laboratory test procedure NCAP Side Impact Testing, dated July 1997 and the corresponding KARCO Engineering Test Procedure KTP-214D, dated November 18, 1998. The procedures for receiving, inspection, testing, and reporting of test results are described in the test procedures and are not repeated in this report.

SECTION 2

SUMMARY OF SIDE IMPACT TEST

2.1 SUMMARY OF SIDE IMPACT NCAP TEST

A model year 2002 Honda CR-V EX 4WD SUV was impacted on the left (driver's) side by a Moving Deformable Barrier (MDB) which was moving forward in a 27° crabbed position to the tow road guidance system at a velocity of 62.00 km/h. The specified impact velocity range is from 61.1 to 62.7 km/h. The test (target) vehicle was stationary and positioned 63° to the line of forward motion. The weight of the vehicle as tested was 1722 kg and the test weight of the MDB was 1361 kg. The test was conducted at KARCO Engineering in Adelanto, California, on January 30, 2002.

One (1) real-time motion picture camera and ten (10) high-speed motion picture cameras were used to document the impact event. The pre-test and post-test conditions were recorded by one (1) real-time motion picture camera. Camera locations and pertinent camera information is documented in the data sheets. Pre- and post-test photographs of the vehicle and SID can be found in Appendix A. Two 50th percentile adult male Side Impact Dummy's (SID's) were placed in the driver's and left rear passenger designated seating positions according to the test procedure. Each SID is instrumented with contact switches on the pelvis and thorax, and eleven accelerometers in the following locations:

- Left Upper Rib (LUR) uni-axial accelerometer (Y-axis primary and redundant)
- Left Lower Rib (LLR) uni-axial accelerometer (Y-axis primary and redundant)
- Lower Thoracic Spine (T12) uni-axial accelerometer (Y-axis primary and redundant)
- Pelvic (PEV) section uni-axial accelerometer (Y-axis primary and redundant)
- Head Center of Gravity (CG) tri-axial accelerometers (X, Y, and Z axes)

The test vehicle was instrumented with twenty-five (25) structural accelerometers and the MDB was instrumented with five (5) accelerometers and a one (1) contact switch on the right bumper to compare left side to right side bumper impact timing. All data channels were recorded with a fully self contained on-board Test Data Acquisition System (TDAS). The data was digitally sampled at 10,000 samples per second and processed per Appendix V of the Test Procedure.

2.2 GENERAL COMMENTS

The test vehicle sustained a maximum static crush of 298 mm at level 3, 1200mm rearward of the left vertical impact point. The driver SID, Serial No. 274 and the passenger SID, Serial No. 275 were calibrated just prior to this test. The SID injury criteria is summarized as follows:

Measurement	Units	Driver	Passenger
Thoracic Trauma Index (TTI)	G's	40	46
Peak Pelvic G's (PEV)	G's	61	79

Tests summaries and post-test observations are presented in Section 3. The vehicle, camera, and occupant measurements are presented in Section 4. Appendix A contains the still photograph prints. Appendix B contains the driver and passenger SID's, vehicle, and MDB response data traces. Appendix C contains the SID's Configuration and performance verification data. Appendix D contains the test equipment information.

SECTION 3

SIDE IMPACT DUMMY (SID) AND VEHICLE TEST DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

CONVERSION FACTORS USED IN THIS REPORT*

Quantity	Typical Application	Std Units	Metric Unit	Multiply By
Mass	Vehicle Weight	lb	kg	0.4536
Linear Velocity	Impact Velocity	mile/h	km/h	1.609
Length or Distance	Measurements	in	mm	25.4
Volume	Fuel Systems	gal	liter	3.785
Volume	Small Fluids	oz	mL	29.573
Pressure	Tire Pressures	lbf/in ²	kPa	7.0
Volume	Liquid	gal	liter	3.785
Temperature	General Use	°F	°C	$=(t_f - 32)/1.8$
Force	Dynamic Forces	lbf	N	4.448
Moment	Torque	lbf/ft	Nm	1.355

* Based on the Recommended Practice in SAE J916, May 85

DATA SHEET NO. 1
GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

TEST VEHICLE INFORMATION

Make	Honda
Model	CR-V EX
Body Style	4WD SUV
NHTSA No.	HO5301
VIN	JHLRD78872C010012
Color	Red
Delivery Date	1/10/2002
Odometer Reading (mile)	2
Dealer	Valley-Hi Toyota/Honda
Transmission	4 Speed Automatic
Final Drive	AWD
Type/Number of Cylinders	In-Line 4
Engine Displacement (L)	2.4
Engine Placement	Transverse

TEST VEHICLE OPTIONS

Driver Front Airbag	Yes
Rear Passenger Airbag	No
Power Windows	Yes
Power Steering	Yes
Power Door Locks	Yes
Tilt Wheel	Yes
Air Conditioning	Yes
Power Brakes	Yes
Disc Brakes, Front	Yes
Disc Brakes, Rear	Yes
Anti-lock Brakes	Yes
Head Airbag	No
Anti-Theft System	No
Cruise Control	Yes

DATA FROM CERTIFICATION LABEL

Manufactured By	Honda Motor Company	GVWR (kg)	1960
Date of Manufacture	November-01	GAWR Front (kg)	980
		GAWR Rear (kg)	1021

DATA FROM TIRE PLACARD

Measured Parameter	Front	Rear
Maximum Tire Pressure (kPa)	180	180
Cold Pressure (kPa)	180	180
Recommend Tire Size	P205/70R15	P205/70R15
Tire Size on Vehicle	P205/70R15	P205/70R15
Tire Manufacturer	B.F. Goodrich	B.F. Goodrich

Measured Parameter	Front	Rear	Third	Total
Type of Seats	Bucket	Bench	None	
Number of Occupants	2	3	0	5
Capacity Wt. (VCW) (kg)				386*
Cargo Weight (RCLW) (kg)				45

* As stated in owners manual, pg 194

DATA SHEET NO. 1...(CONTINUED)
GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

TEST VEHICLE WEIGHTS

	Units	As Delivered (UVW)			As Tested (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	411	346		454	421	
Right	kg	425	340		452	395	
Ratio	%	54.9	45.1		52.6	47.4	
Totals	kg	836	686	1522	906	816	1722

TARGET TEST WEIGHT CALCULATION*

Measured Parameter	Units	Value
Total Delivered Weight (UVW)	kg	1522
Weight of 2 P572F Side Impact Dummies	kg	162
Rated Cargo/Luggage Weight (RCLW)	kg	45
Calculated Vehicle Target Weight (TVTW)	kg	1729

*Actual As Tested Weight (ATW) will be TVTW -5/-10 kg

TEST VEHICLE ATTITUDES AND CG

	Units	LF	RF	LR	RR	CG (aft of front axle)
As Delivered	mm	805	802	813	812	1180
As Tested	mm	790	793	786	795	1241
Fully Loaded	mm	790	797	785	796	

GENERAL TEST VEHICLE DATA

Measurement Description	Units	Value
Test Vehicle Wheel base	mm	2619
Total Vehicle Length at Left Side	mm	3081
Total Vehicle Length at Centerline	mm	4353
Total Vehicle Length at Right Side	mm	3081
Weight of Ballast In Cargo Area	kg	29
Amount of Stoddard Solvent in Fuel Tank	Liters	53.8

*Per COTR

TEST VEHICLE VERTICAL IMPACT LINE DATA

Measurement Description	Units	Value
Test Vehicle Wheel base	mm	2619
Target Impact Point Aft of Front Axle	mm	370
Actual Impact Point Aft of Front Axle	mm	379

DATA SHEET NO. 1...(continued)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

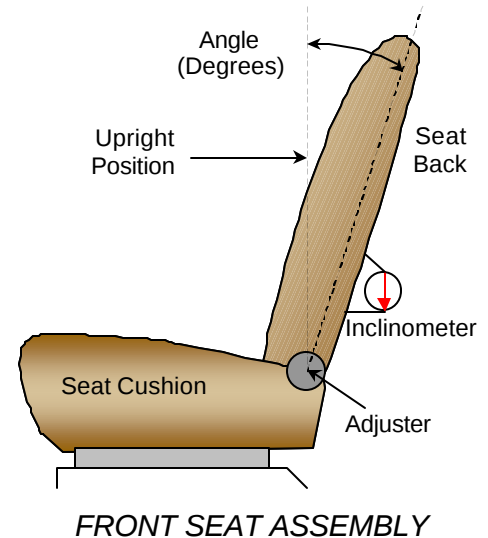
Test Date: 1/30/02

NOMINAL DESIGN RIDING POSITION

The driver's seat back is positioned to the manufacturer's designated angle. The procedure for positioning the seat is as follows: A slit is cut into fabric of the seat at the outboard edge, approximately 10-13 inches above the pivot point to expose the frame of the seat. An inclinometer is firmly placed against the flat portion of the frame surface and the seat back is adjusted to the manufacturers designated angle.

Driver seat back angle: 18° with a seated dummy

Rear seat back angle: 21° with a seated dummy



SEAT FORE/AFT POSITIONS

The driver's seat is adjustable. The fore/aft position is set to the middle.

Driver seat fore/aft total travel: 24 seat detents

Rear seat fore/aft total travel: 6 seat detents

Driver seat fore/aft position: Placed in the 13th detent

Rear seat fore/aft position: Placed in the 4th detent

SEAT BELT UPPER ANCHORAGE

Driver seat is equipped with an adjustable anchorage and rear passenger seat is equipped with an non-adjustable. The driver's "D" ring anchorage has 4 positions and is placed in the 3rd position from the top.

DATA SHEET NO. 1...(continued)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

FUEL TANK CAPACITY DATA

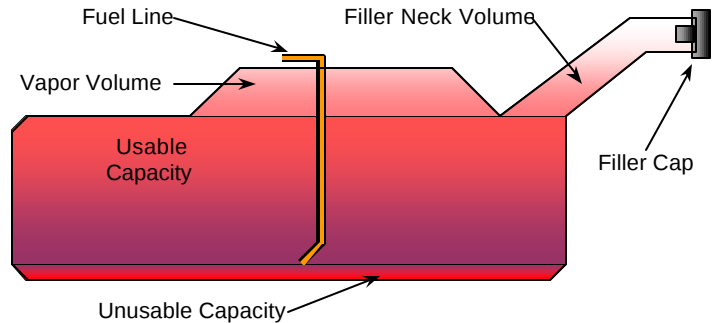
The "Usable Capacity" of the standard equipment fuel tank is: 57.9 liters

The "Usable Capacity" of any optional equipment fuel tank is: 57.9 liters

92-94% of "Usable Capacity" for certification to FMVSS 301 requirement: 53.2 to 54.4 liters

Actual amount of Stoddard solvent added to vehicle for certification test: 53.8 liters

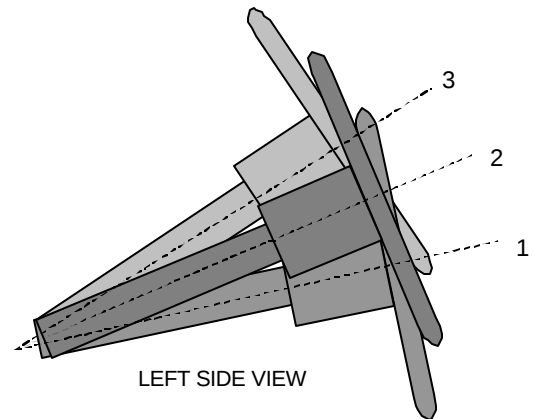
The test vehicle is equipped with an electric fuel pump. The fuel pump will operate for approximately three (3) seconds with the ignition in the "ON" position, after which the fuel pump automatically shuts off. The fuel filler door is located on the left rear fender.



VEHICLE FUEL TANK ASSEMBLY

STEERING COLUMN ADJUSTMENT

Steering wheel and column adjustments are made so that the steering wheel hub is at the geometric center of the locus it describes, when it is moved through its full range of motion. An aluminum plate is placed across the rim of the steering wheel, an inclinometer is placed onto the plate and the angle is measured. The tested vehicle has its steering column set at position 2 as indicated in the drawing at right and the angle below.



STEERING COLUMN ASSEMBLY

Lowermost, position 1: 67.5°

Geometric center, position 2: 63.0°

Uppermost, position 3: 58.5°

DATA SHEET NO. 2
TEST VEHICLE SUMMARY OF RESULTS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

TEST VEHICLE WEIGHTS

	Units	As Delivered (UVW)			As Tested (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	411	346		454	421	
Right	kg	425	340		452	395	
Weight Ratio	%	54.9	45.1		52.6	47.4	
Totals	kg	836	686	1522	906	816	1722

MAXIMUM EXTERIOR STATIC CRUSH

Level	Measured Parameter	Units	Maximum Crush	Above Ground
Level 1	Sill Top Height	mm	120	370
Level 2	Occupant H-Point	mm	288	690
Level 3	Mid Door	mm	298	709
Level 4	Window Sill	mm	159	1037
Level 5	Window Top	mm	31	1588
N/A	Maximum Penetration	mm	298	

INSTRUMENTATION

Driver SID Accelerometers	11
Passenger SID Accelerometers	11
Vehicle Structure Accelerometers	25
MDB Accelerometers	5
Total	52

16mm MOVIE COVERAGE

High Speed, Vehicle On-Board	3
High Speed, Off-Board	5
High Speed, MDB On-Board	2
Real Time, Panning	1
Total	11

DATA SHEET NO. 3
MOVING DEFORMABLE BARRIER (MDB) SUMMARY OF RESULTS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

MDB SPECIFICATIONS (mm)

Measurement Description	Length
Overall Width of Framework Carriage	1252
Overall Length Including Honeycomb Face	4115
Wheel base of Framework Carriage	2590
C.G. Location aft of Front Axle	1127

MDB WEIGHTS

	Units	Front Axle	Rear Axle	Total
Left	kg	384	308	
Right	kg	385	284	
Ratio	%	56.5	43.5	
Totals	kg	769	592	1361

SPEED AND IMPACT ANGLE DATA

Measured Parameter	Units	Requirement	Value
Trap No. 1 Velocity (Primary)	km/h	61.1 to 62.7	62.00
Trap No. 2 Velocity (Redn.)	km/h	61.1 to 62.7	62.15
MDB CL to Target Vehicle CL	degrees	88.5 to 91.5	89.5

MAXIMUM STATIC CRUSH OF HONEYCOMB FACE (mm)

Vertical Location			From Centerline		Max Crush
Row	Description	Height	Distance	Direction	
A	Center of Bumper	432	800	Right	172
B	Top of Bumper	533	800	Right	144
C	Mid Level	686	800	Left	154
D	Top of Stack	813	800	Right	201

MDB INSTRUMENTATION AND CAMERAS

Accelerometers	5
Contact Switches	2
High Speed Cameras	2

DATA SHEET NO. 4

POST TEST OBSERVATIONS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

TEST DUMMY INFORMATION AND CONTACT POINTS

Description	Front Seat SID	Rear Seat SID
Dummy Type / Serial No.	P572F, SID / No. 274	P572F, SID / No. 275
Head Contact	D-Ring, B-Pillar, Headrest	C-Pillar, Headrest
Upper Torso Contact	Airbag	Panel
Lower Torso Contact	Panel	Panel
Left Knee Contact	Panel/Knee	Panel/Knee
Right Knee Contact	Knee	Knee

POST TEST DOOR OPENING AND SEAT TRACK INFORMATION

Description	Front	Rear
Left Side Door Opening	Remained closed inoperable	Remained closed inoperable
Right Side Door Opening	Remained closed operable	Remained closed operable*
Seat Movement	None	None
Seat Back Failure	None	None

*Door remained closed during impact, but would not close after it was opened.

POST TEST STRUCTURAL OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Pillar Performance	Pillars pushed inward with no apparent failure
Sill Separation	No Apparent Visible Failure
Windshield Damage	Glazing Cracks on Struck Side Only
Window Damage	Both Left Side Windows Broke.
Other Notable Effects	No significant items to note.

SUPPLEMENTAL RESTRAINT INFORMATION

Restraint Type	Left Front (Driver) Occupant Location 01		Left Rear (Passenger) Occupant Location 04	
	Installed	Operation	Installed	Operation
Front Airbag	Yes	Not Deployed	None	Not Applicable
Side Torso Airbag	Yes	Deployed Properly	None	Not Applicable
Head Curtain Airbag	None	Not Applicable	None	Not Applicable
Seat Belt Pretensioner	Yes	Unknown	Yes	Unknown
Seat Belt Load Limiter	Yes	Unknown	Yes	Unknown

MDB LEFT EDGE IMPACT POINT DATA

Measured Parameter	Units	Requirement	Value
Horizontal Offset	mm	+/- 50	9(left)
Vertical Offset	mm	+/- 20	11(below)

SECTION 4
OCCUPANT AND VEHICLE INFORMATION

DATA SHEET NO. 5
SID INJURY CRITERIA AND SENSOR DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

THORAX AND PELVIS PEAK ACCELERATIONS, PRIMARY (FIR 100 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Upper Rib (LUR)	Y	G's	34.5	23.1	-6.2	40.6	34.6	48.1	-10.8	100.0
Lower Rib (LLR)	Y	G's	37.0	22.5	-3.4	97.5	46.6	47.5	-10.7	99.4
Lower Spine (T ₁₂)	Y	G's	43.8	30.6	-3.2	97.5	45.4	45.0	-5.7	67.5
Pelvis (PEV)	Y	G's	61.2	32.5	-8.6	55.6	79.5	39.4	-5.9	76.9

THORACIC TRAUMA INDEX (TTI) AND PELVIC ACCELERATION, PRIMARY (FIR 100 Filtered)

Location	Driver				Passenger			
	LLR	T ₁₂	TTI(g)	PEV(g)	LLR	T ₁₂	TTI(g)	PEV(g)
Primary Rib, Spine, and Pelvis	36.991	43.845	40	61	46.628	45.435	46	79

THORAX AND PELVIS PEAK ACCELERATIONS, REDUNDANT (FIR 100 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Upper Rib (LUR)	Y	G's	33.2	50.6	-5.5	40.6	34.4	48.1	-9.8	100.0
Lower Rib (LLR)	Y	G's	36.2	22.5	-3.4	97.5	46.8	48.1	-11.7	99.4
Lower Spine (T ₁₂)	Y	G's	43.7	30.6	-3.3	97.5	46.7	44.4	-5.2	67.5
Pelvis (PEV)	Y	G's	60.7	31.9	-8.2	55.6	79.6	39.4	-5.5	97.5

THORACIC TRAUMA INDEX (TTI) AND PELVIC ACCELERATION, REDUNDANT (FIR 100 Filtered)

Location	Driver				Passenger			
	LLR	T ₁₂	TTI(g)	PEV(g)	LLR	T ₁₂	TTI(g)	PEV(g)
Redundant Rib, Spine, and Pelvis	36.205	43.698	40	61	46.809	46.681	47	80

HEAD CG PEAK ACCELERATIONS (SAE CLASS 1000 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Head CG	X	G's	12.6	150.9	-14.4	57.2	12.1	67.1	-48.4	59.4
Head CG	Y	G's	16.5	74.1	-3.2	167.8	114.9	59.2	-14.0	78.9
Head CG	Z	G's	23.8	60.6	-3.3	25.2	36.4	63.4	-16.0	47.4
Head CG Resultant	N/A	G's	30.0	57.0			125.7	59.2		

HEAD INJURY CRITERIA (SAE CLASS 1000 Filtered)

Location	Driver				Passenger			
	HIC	T ¹	T ²	Avg G	HIC	T ¹	T ²	Avg G
Head CG	91.5	48.7	84.6	23.0	931.1	55.1	63.8	102.3

Positive Acceleration Polarities: Longitudinal (X) = Forward
 (Conforms to SAE J211) Lateral (Y) = Right
 Vertical (Z) = Down

DATA SHEET NO. 6

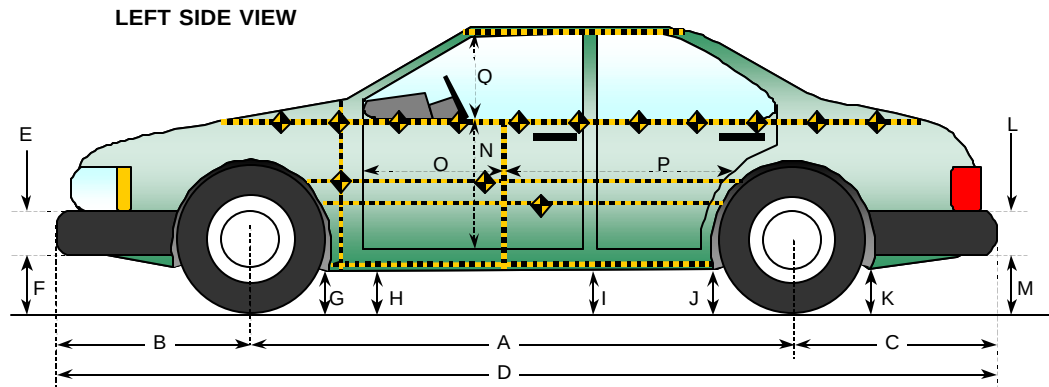
VEHICLE PRE-TEST AND POST TEST MEASUREMENTS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02



All Measurements in mm

Code	Measurement Description	Pre-Test	Post-Test	Difference
A	Wheelbase	2619	2585	-34
B	Front Axle To FSOV	812	820	8
C	Rear Axle to RSOV	925	912	-13
D	Total Length at Centerline	4353	4308	-45
E	Front Bumper Thickness	377	377	0
F	Front Bumper Bottom to Ground	364	354	-10
G	Sill Height at Front Wheel Well	335	328	-7
H	Sill Height at Front Door Leading Edge	334	318	-16
I	Sill Height at "B" Pillar	330	284	-46
J1	Sill Height at Rear Wheel Well	319	363	44
J2	Pinch Weld Height at Rear Wheel Well	333	386	53
K	Sill Height aft of Rear Wheel Well	394	406	12
L	Rear Bumper Thickness	151	151	0
M	Rear Bumper Bottom to Ground	417	426	9
N	Sill Height to Window Bottom Sill	690	665	-25
O	Front Door Leading Edge to Impact CL	753	722	-31
P	Rear Door Trailing Edge to Impact CL	1325	1270	-55
Q	Front Window Opening	455	430	-25
R	Right Side Length	3081	3096	15
S	Left Side Length	3081	3025	-56
T	Vehicle Width at "B" Post	1772	1641	-131

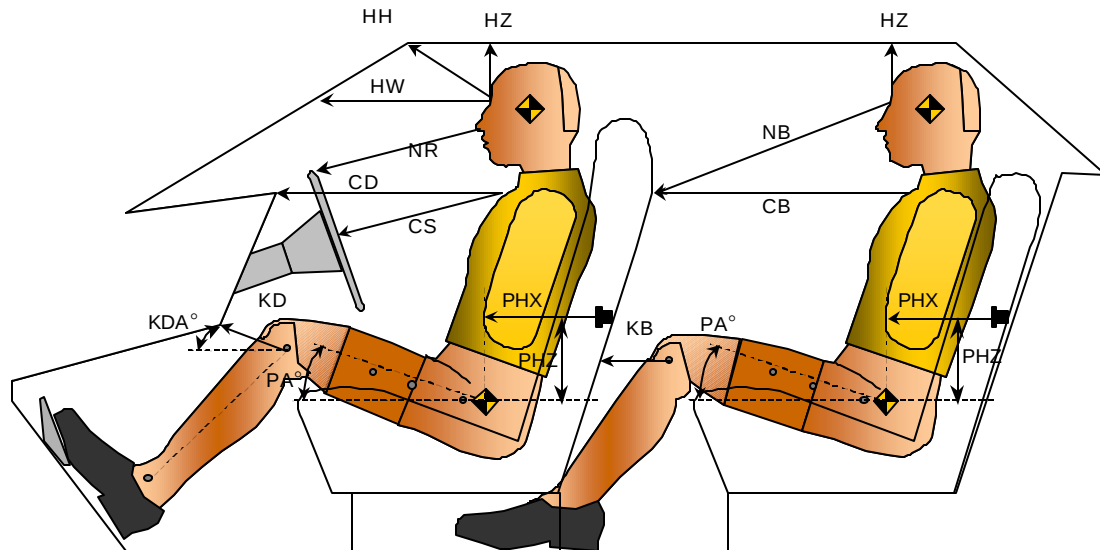
DATA SHEET NO. 7
SID LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No. HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

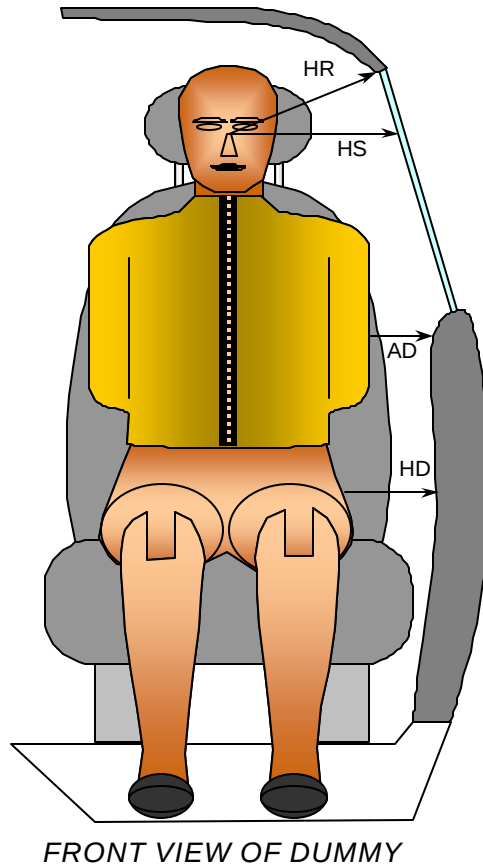


Driver Code	Pass. Code	Measurement Description	Driver		Passenger	
			Length(mm)	Angle(°)	Length(mm)	Angle(°)
HH		Head to Header	445	14		
HW		Head to Windshield	625			
HZ	HZ	Head to Roof	190	90	200	90
NR	NB	Nose to Rim/Nose to Seatback	496	16	670	26
CD	CB	Chest to Dash or Seatback	565	5	560	11
CS		Chest to Steering Wheel	360	36		
KDL	KBL	Left Knee to Dash or Seatback	120	31	190	12
KDR	KBR	Right Knee to Dash or Seatback	137		195	
PA	PA	Pelvic Angle		22.5		24
PHX	PHX	H-Point to Striker (X-Axis)	225		283	
PHZ	PHZ	H-Point to Striker (Z-Axis)	95		143	
PHY	PHY	H-Point to Striker (Y-Axis)	205		18	

DATA SHEET NO. 8
SID LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV
 Test Program: 55/28 km/h 90° Side Impact NCAP

NHTSA No. HO5301
 Test Date: 1/30/02



Code	Measurement Description	Units	Driver	Passenger
HR	Head to Side Header	mm	265	208
HS	Head to Side Window	mm	314	312
AD	Arm to Door	mm	90	75
HD	H-Point to Door	mm	192	105

DATA SHEET NO. 9

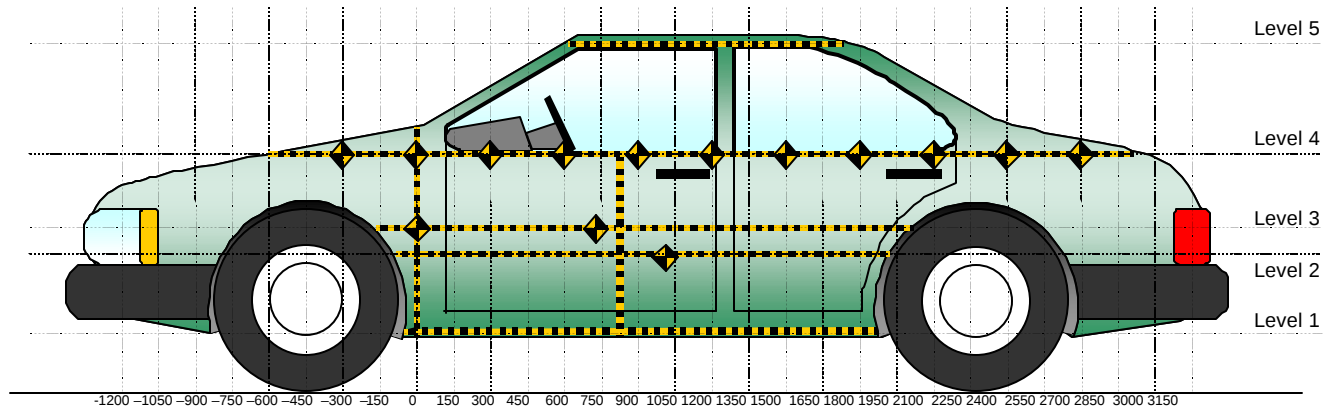
VEHICLE SIDE MEASUREMENTS

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02



All Measurements Shown in mm

LEFT SIDE VIEW

Measurements are taken with vehicle in the as tested condition.

Measurements taken 900mm right of impact reference.

All measurements below in mm.

Level	Measurement Description	Height Above Ground
5	Window Top	1588
4	Window Sill	1037
3	Mid Door	709
2	Occupant H-Point	690
1	Sill Top	370

DATA SHEET NO. 10 - VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 2002 Honda CR-V EX 4WD SUV
 Test Program: 55/28 km/h 90° Side Impact NCAP

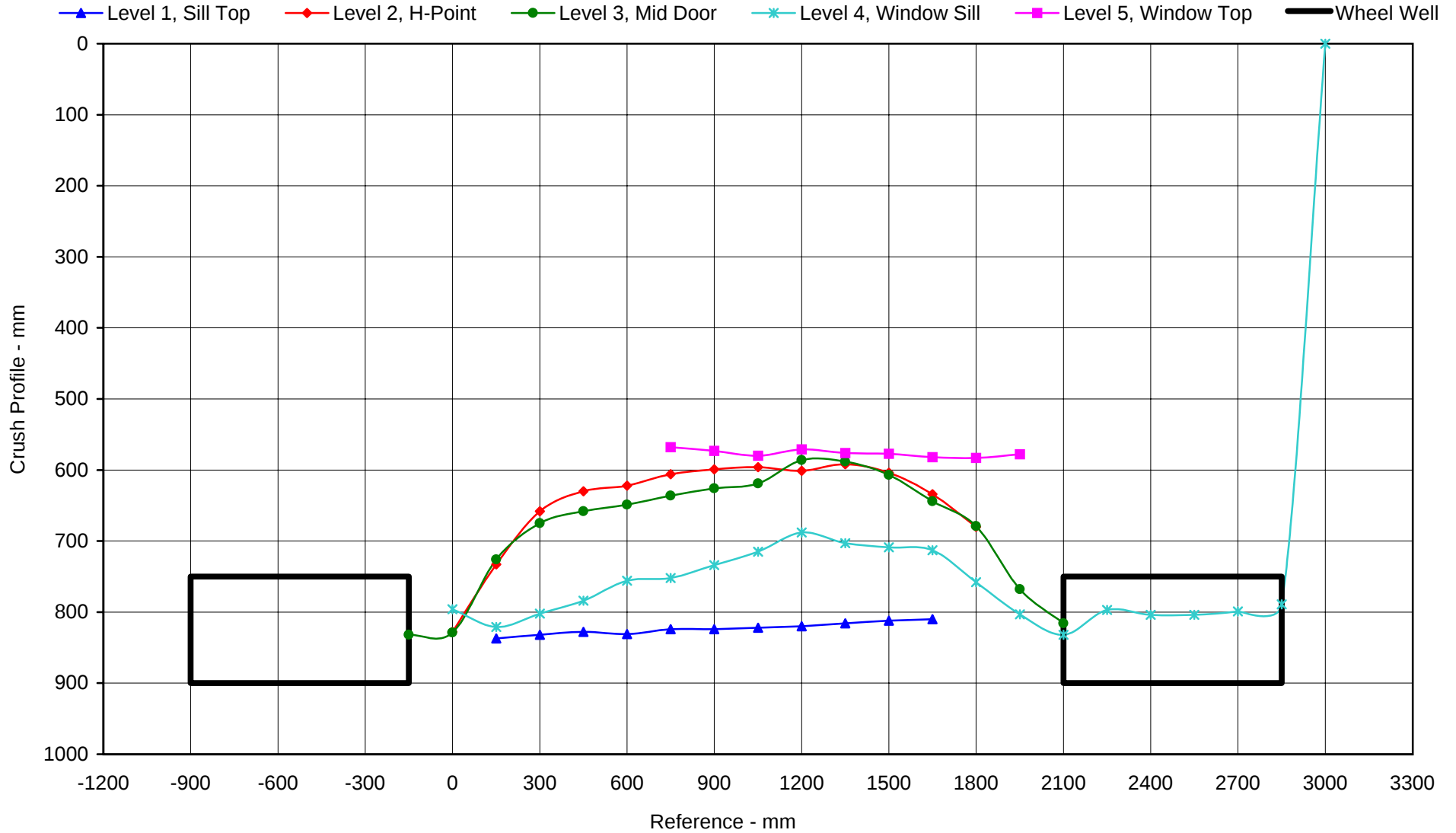
NHTSA No.: HO5301
 Test Date: 2002-01-30

	Pre-Test					Post-Test					Difference				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
-900															
-750															
-600															
-450				759					746					13	
-300				794					766					28	
-150		894	893	812			844	832	786			50	61	26	
0	928	884	880	819		846	828	829	796		82	56	51	23	
150	928	881	880	826		837	733	726	821		91	148	154	5	
300	930	882	882	828		832	658	675	802		98	224	207	26	
450	932	884	884	838		828	630	658	784		104	254	226	54	
600	930	884	886	839		831	622	649	756		99	262	237	83	
750	931	884	886	843	584	824	606	636	752	568	107	278	250	91	16
900	931	884	886	844	594	824	599	626	734	573	107	285	260	110	21
1050	931	884	885	847	599	822	596	619	715	580	109	288	266	132	19
1200	930	883	884	847	602	820	601	586	688	571	110	282	298	159	31
1350	928	880	882	847	604	816	592	588	703	576	112	288	294	144	28
1500	924	879	881	847	601	812	604	607	709	577	112	275	274	138	24
1650	924	876	879	849	596	810	634	644	713	582	114	242	235	136	14
1800	921	874	876	846	596	801	680	679	758	583	120	194	197	88	13
1950		885	884	841	594		809	768	803	578		76	116	38	16
2100			886	844	593			816	832	575			70	12	18
2250				840	589				797	576				43	13
2400				834	585				804	574				30	11
2550				819	575				804	570				15	5
2700				818	568				799	561				19	7
2850				816					789					27	
3000															

Pre-Test and Post-Test dimensions are actual distance from centerline of test vehicle.

DATA SHEET NO. 10...(continued)

18



Maximum Crush, Level 1: 120 mm at 1800 mm

Maximum Crush, Level 2: 288 mm at 1050 mm

Maximum Crush, Level 3: 298 mm at 1200 mm

Maximum Crush, Level 4: 159 mm at 1200 mm

Maximum Crush, Level 5: 31 mm at 1200 mm

Test Program: 55/28 km/h 90° Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

Test Date: 01-30-02



KAR21062-01

DATA SHEET NO. 11

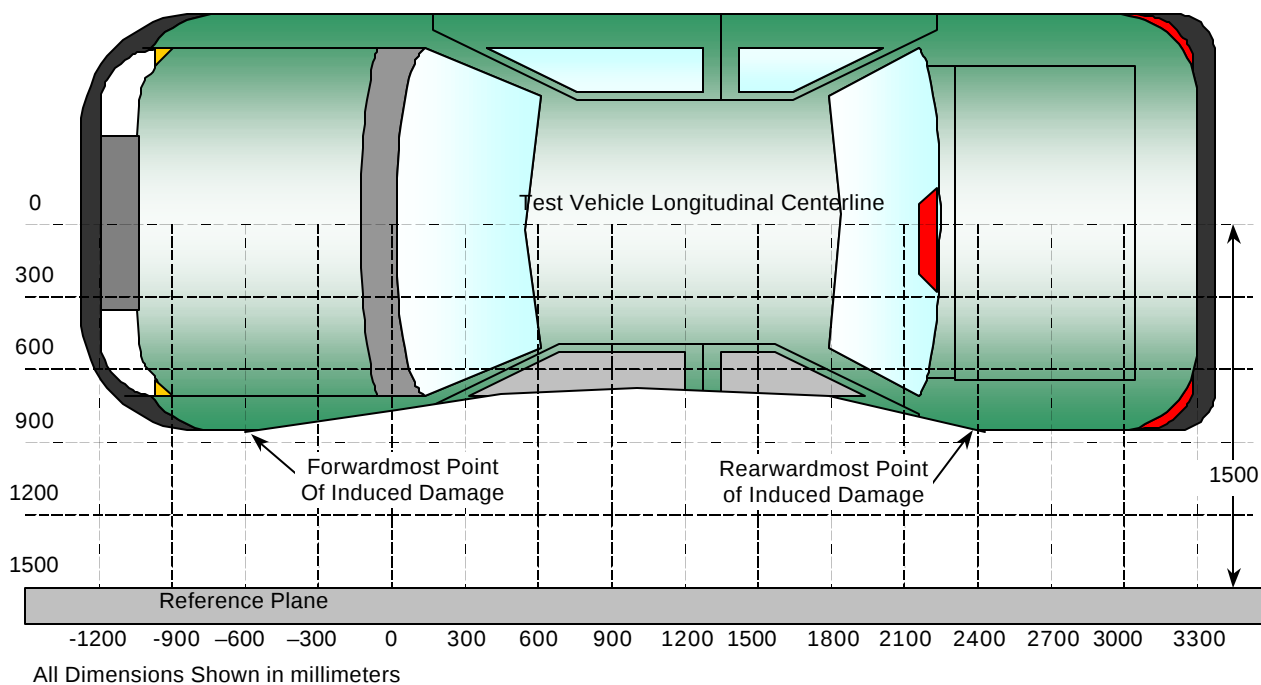
VEHICLE DAMAGE PROFILE DISTANCES

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02



TOP VIEW

Damage Profile Distances

DPD	Distance From Impact Point in mm	Level	Pre-Test (mm)	Post-Test (mm)	Max Static Crush (mm)
1	-450	4	759	746	13
2	150	3	880	726	154
3	750	2	884	606	278
4	1350	3	882	588	294
5	2100	3	886	816	70
6	2850	4	816	789	27

Pre-Test and Post-Test measurements are distance from vehicle centerline.

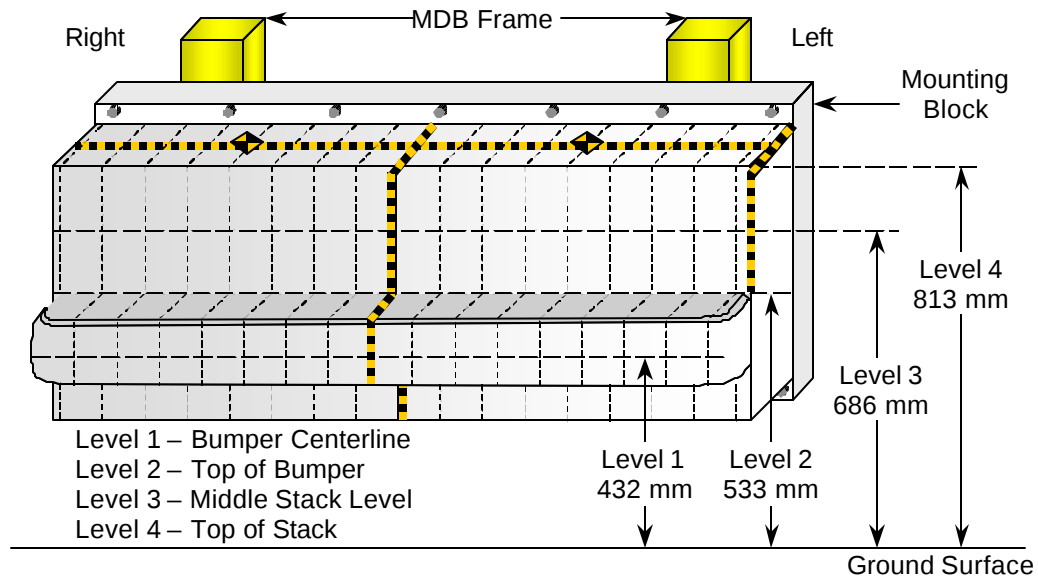
DATA SHEET NO. 12
DEFORMABLE BARRIER HONEYCOMB FACE STATIC CRUSH

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02



DEFORMABLE BARRIER STATIC CRUSH

Stack	Distance Right of Center								C _L	Distance Left of Center							
Level	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800
1	168	165	168	162	158	151	144	141	141	140	139	140	138	139	142	151	172
2	88	101	102	97	93	83	67	73	80	80	81	83	83	82	86	91	101
3	144	70	41	25	20	19	36	23	19	16	16	17	23	33	46	63	106
4	138	96	71	51	35	20	41	33	28	29	34	42	54	78	98	122	154

All Dimensions in mm

DATA SHEET NO. 13

VEHICLE ACCELEROMETER LOCATION AND DATA SUMMARY

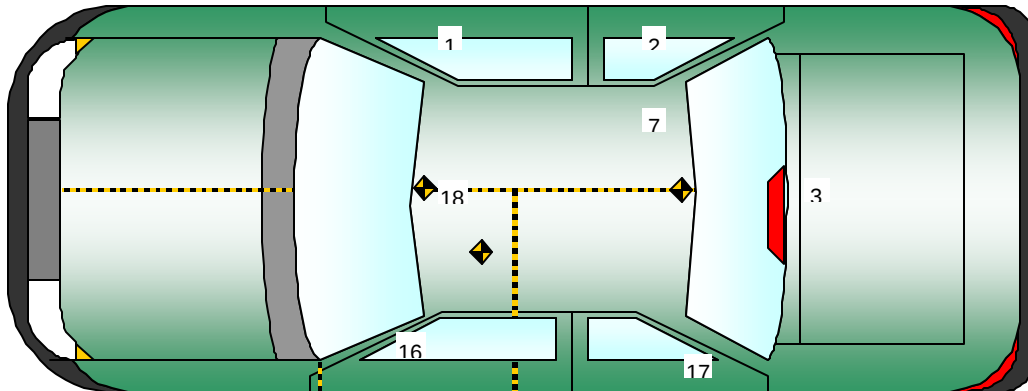
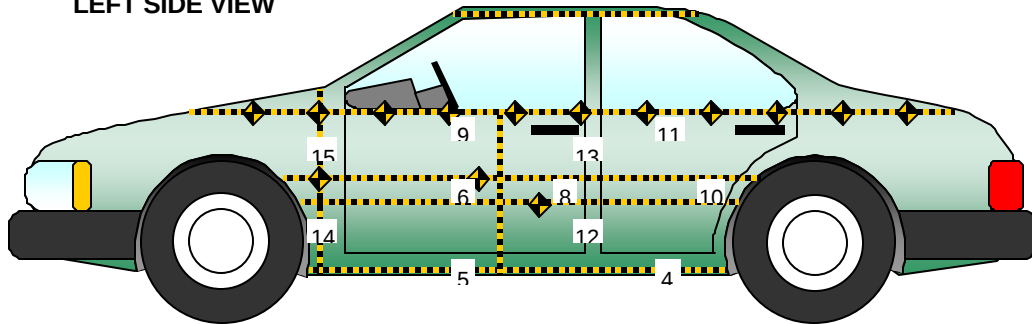
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

LEFT SIDE VIEW



No.	Location
1	Right Sill at Front Seat
2	Right Sill at Rear Seat
3	Rear Floorpan Above Axle
4	Left Sill at Rear Door
5	Left Sill at Front Door
6	Left Front Door Centerline
7	Right Rear Occupant Compartment
8	Left Front Door Mid-Rear
9	Left Front Door Upper Centerline

No.	Location
10	Left Rear Door Mid-Rear
11	Left Rear Door Upper Centerline
12	Left Lower B-Post
13	Left Middle B-Post
14	Left Lower A-Post
15	Left Middle A-Post
16	Front Seat Track
17	Rear Seat Track or Structure
18	Vehicle CG

DATA SHEET NO. 13
VEHICLE ACCELEROMETER LOCATION AND DATA SUMMARY

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

VEHICLE ACCELEROMETER PEAK DATA AND PRE-TEST LOCATIONS

Loc. No.	Accelerometer Location	Measurements (mm)			Peak Values (G's)				
		X	Y	Z	Axis	Max	Time	Min	Time
1	Right Sill at Front Seat	2660	630	470	X	4.2	23.9	-7.2	13.6
					Y	23.6	14.3	-2.3	66.4
					Z	6.0	74.5	-7.2	13.6
					RES	25.6	14.2		
2	Right Sill at Rear Seat	1735	660	470	X	4.9	23.2	-6.4	13.9
					Y	30.9	8.4	-2.9	64.3
					Z	5.7	67.8	-10.3	21.4
					RES	31.0	8.4		
3	Rear Floorpan Above Axle	1040	0	535	X	2.1	66.3	-6.6	40.9
					Y	34.5	8.7	-4.1	59.6
					Z	12.1	9.9	-6.2	28.4
					RES	35.8	9.0		
4	Left Sill at Rear Door	1760	-540	320	Y	52.4	7.5	-18.8	13.3
5	Left Sill at Front Door	2450	-715	320	Y	72.2	8.3	-7.0	14.7
6	Front Door Centerline	2420	470	800	Y	82.1	13.3	-15.9	2.2 *
7	Rear Occupant Compartment	1465	-715	670	Y	29.1	8.8	-2.9	55.5
8	Front Door Mid-Rear	2210	-715	815	Y	188.7	12.6	-40.9	30.0
9	Front Door Upper Centerline	2460	-715	915	Y	112.7	14.6	-22.9	20.7 *
10	Rear Door Mid-Rear	1270	-755	930	Y	140.7	16.6	-104.4	28.8
11	Rear Door Upper Centerline	1580	-755	1000	Y	149.0	13.2	-105.3	26.4
12	B-Post Lower	2030	-705	805	Y	147.3	4.6	-27.4	38.2
13	B-Post Middle	2030	-705	1005	Y	108.3	11.0	-35.7	18.7
14	A-Post Lower	3005	-765	600	Y	71.3	2.5	-28.5	16.5
15	A-Post Middle	3005	-765	870	Y	29.9	2.2	-1.0	16.1
16	Front Seat Track	2445	-585	480	Y	51.7	9.0	-22.3	24.3
17	Rear Seat Structure				Y				**
18	Vehicle CG	2530	0	330	X	4.6	23.6	-9.4	11.4
					Y	25.3	7.9	-1.9	66.1
					Z	6.0	17.5	-9.9	22.8 *
					RES	26.1	8.2		

* Channels Failed, check plot for failure times

** Not installed

DATA SHEET NO. 14

MDB ACCELEROMETER LOCATION AND DATA SUMMARY

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

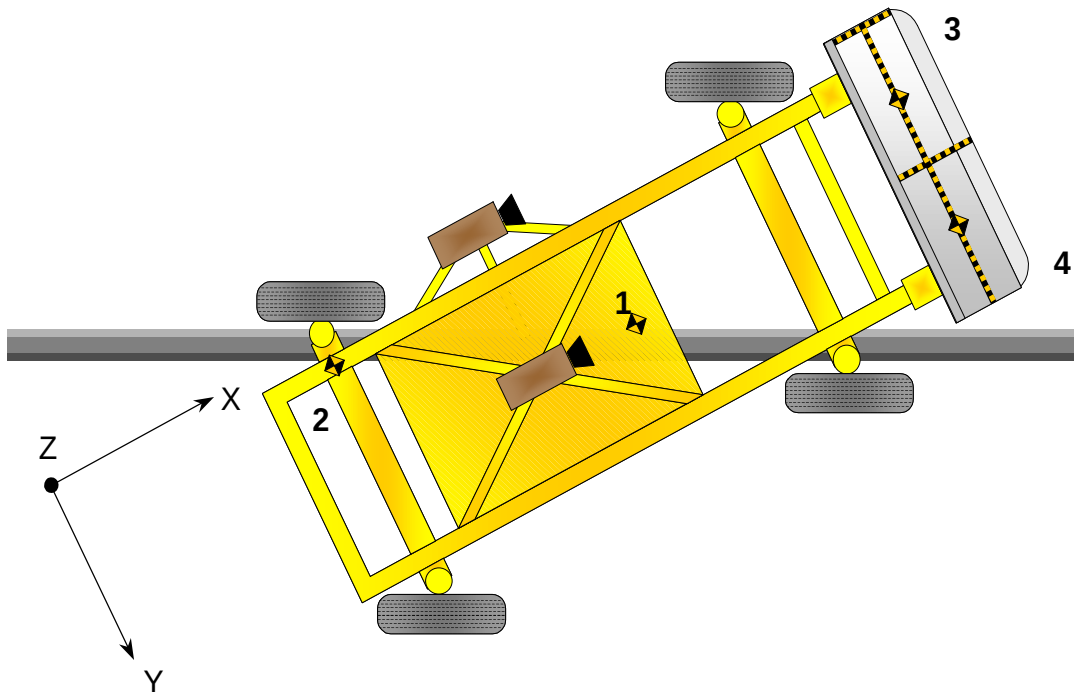
MDB ACCELEROMETER PEAK DATA AND LOCATIONS

Loc. No.	Accelerometer Location	Measurements (mm)			Peak Values (G's)				
		X	Y	Z	Axis	Max	Time	Min	Time
1	MDB CG	-1195	0	430	X	2.2	127.1	-20.9	34.1
					Y	4.4	61.9	-9.5	41.0
					Z	17.0	149.6	-18.7	136.8
					RES	22.5	37.2		
2	MDB Rear	-2642	-593	608	X	2.7	101.1	-23.4	37.0
					Y	2.8	85.9	-5.6	35.1

Reference Points X - MDB Front Axle Y - MDB Centerline Z - Ground Plane

MDB BUMPER CONTACT SWITCH DATA

Loc. No.	Contact Switch Location	Units	Peak and 50% Crossing Point			
			Max	Time	50%	Time
3	MDB Left Bumper (T=0)	% F.S	100.0	0.0	50.0	0.0
4	MDB Right Bumper	% F.S.	101.1	9.1	50.6	1.1



DATA SHEET NO. 15

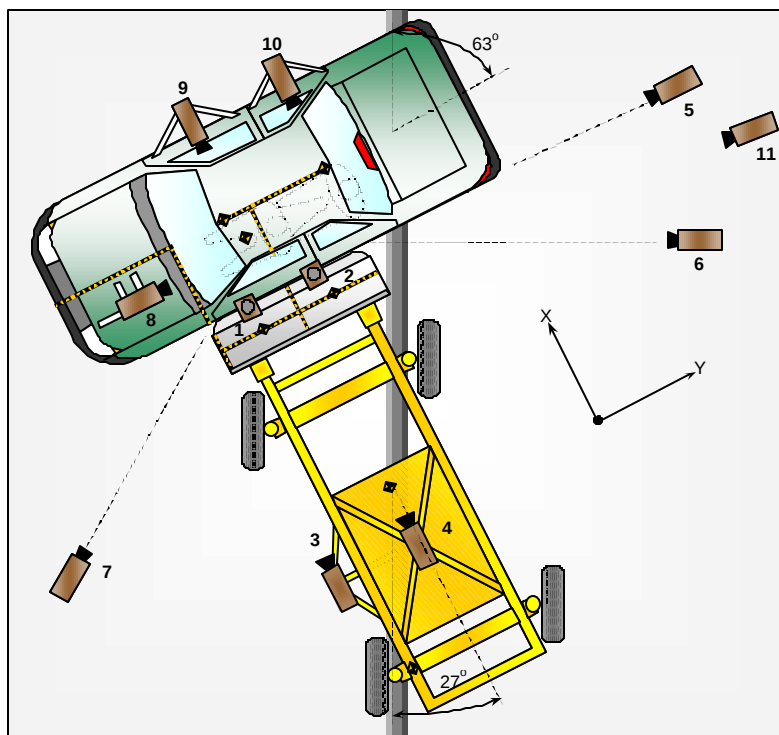
HIGH SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02



No.	Camera View	Location (mm)			Angle (deg.)	Lens (mm)	Film Speed (fr./sec.)
		X	Y	Z			
1	Overhead Overall	1650	-760	5486	-90	10	1090
2	Overhead Close-up	-760	0	5790	-90	24	1020
3	MDB Onboard, Impact Point Close-Up	-2130	0	1140	-6	13	630
4	MDB Onboard, Centerline of Impact	-3050	-1650	1830	-10	13	880
5	Right Side, Ground Level, Overall	0	-20940	740	-1	50	DNR*
6	Right Side, Ground Level, Close-up	-8840	-15510	740	0	80	DNR*
7	Left Side, Ground Level, Close-up	-2630	4680	1450	-7	13	970
8	Vehicle Onboard Front SID, Front	580	410	1520	-9	19	1020
9	Vehicle Onboard Front SID, Side	1910	-1050	1150	0	10	1000
10	Vehicle Onboard Rear SID, Side	1910	-1830	1190	-6	10	DNR*
11	Front View In-Line with Track	83000	-4200	1370	0	76	510
12	Real Time Coverage	N/A	N/A	N/A	N/A	N/A	24

*Camera did not run

DATA SHEET NO. 16

FMVSS 301 FUEL SYSTEM INTEGRITY POST IMPACT DATA

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

Test Date: 1/30/02

Test Time: 12:39 PM

Temperature at Time of Impact: 3.9 °C

Stoddard Solvent Spillage Measurements

- A. From impact until vehicle motion ceases: 0.0 oz.
(Maximum Allowable = 1 ounce)
- B. For the 5 minute period after motion ceases: 0.0 oz.
(Maximum Allowable = 5 ounces)
- C. For the following 25 minutes: 0.0 oz.
(Maximum Allowable = 1 oz./minute)
- D. Spillage Details: No leakage occurred

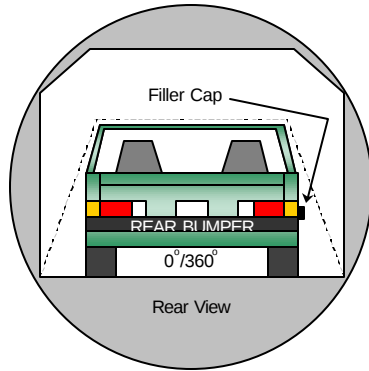
DATA SHEET NO. 17
FMVSS 301 STATIC ROLLOVER DATA SHEET

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

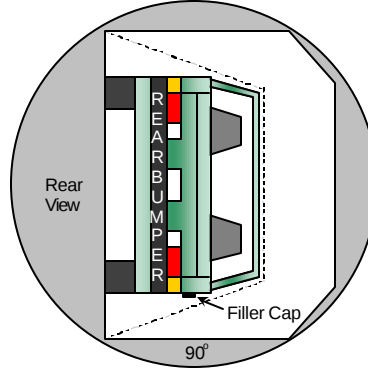
NHTSA No.: HO5301

Test Program: 55/28 km/h 90° Side Impact NCAP

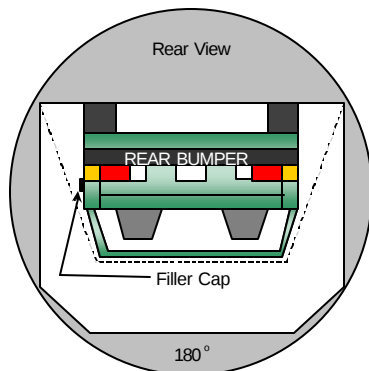
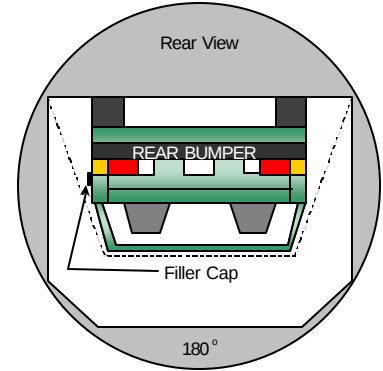
Test Date: 1/30/02



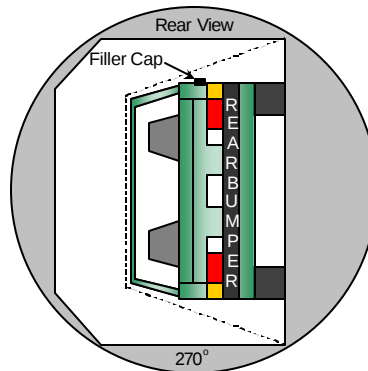
0° TO 90°



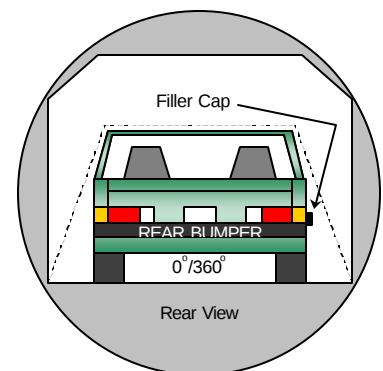
90° TO 180°



180° TO 270°



270° TO 360°



1. The specified fixture rollover rate for each 90° of rotation is 60 to 120 seconds.
2. The position hold time at each position is 300 seconds (minimum).
3. Details of Stoddard Solvent spillage locations.

No solvent leakage occurred during static rollover testing.

Rollover Test Phase	Rotation Time (sec.)	Hold Time (sec.)	Spillage (oz.)
0° TO 90°	80	300	0.0
90° TO 180°	80	300	0.0
180° TO 270°	79	300	0.0
270° TO 360°	78	300	0.0

APPENDIX A
PHOTOGRAPHS

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Figure A-1: Left Front, as Received



Figure A-2: Right Rear, as Received

MFD. IN JAPAN BY HONDA MOTOR CO., LTD; 11/'01
GVWR 4320LBS GAWR F 2160LBS R 2250LBS
THIS VEHICLE CONFORMS TO ALL APPLICABLE
FEDERAL MOTOR VEHICLE SAFETY,
AND THEFT PREVENTION STANDARDS IN EFFECT
ON THE DATE OF MANUFACTURE SHOWN ABOVE:
V.I.N. **JHLRD78872C010012**



MPV

Figure A-3: Vehicle Certification Label



Figure A-4: Vehicle Tire Label



Figure A-5: Front View, Pre-Test



Figure A-6: Front View, Post-Test



Figure A-7: Left Front $\frac{3}{4}$ view, Pre-Test



Figure A-8: Left Front $\frac{3}{4}$ View, Post-Test



Figure A-9: Left (Impacted) Side View, Pre-Test



Figure A-10: Left (Impacted) Side View, Post-Test



Figure A-11: Left Rear $\frac{3}{4}$ view, Pre-Test



Figure A-12: Left Rear $\frac{3}{4}$ View, Post-Test



Figure A-13: Rear View, Pre-Test



Figure A-14: Rear View, Post-Test





Figure A-16: Overhead Overall View, Post-Test



Figure A-17: Overhead Close-up View, Pre-Test



Figure A-18: Overhead Close-up View, Post-Test



Figure A-19: Impact Point Target Set-up, Pre-Test



Figure A-20: Impact Point Target, Post-Test



Figure A-21: Front $\frac{3}{4}$ View of Left Side Doors, Pre-Test



Figure A-22: Front 3/4 View of Left Side Doors, Post-Test



Figure A-23: Rear ^{3/4}View of Left Side Doors, Pre-Test



Figure A-24: Rear 3/4 View of Left Side Doors, Post-Test



Figure A-25: Left Front Door Closed, Pre-Test



Figure A-26: Left Front Door Closed, Post-Test



Figure A-27: Left Rear Door Closed, Pre-Test

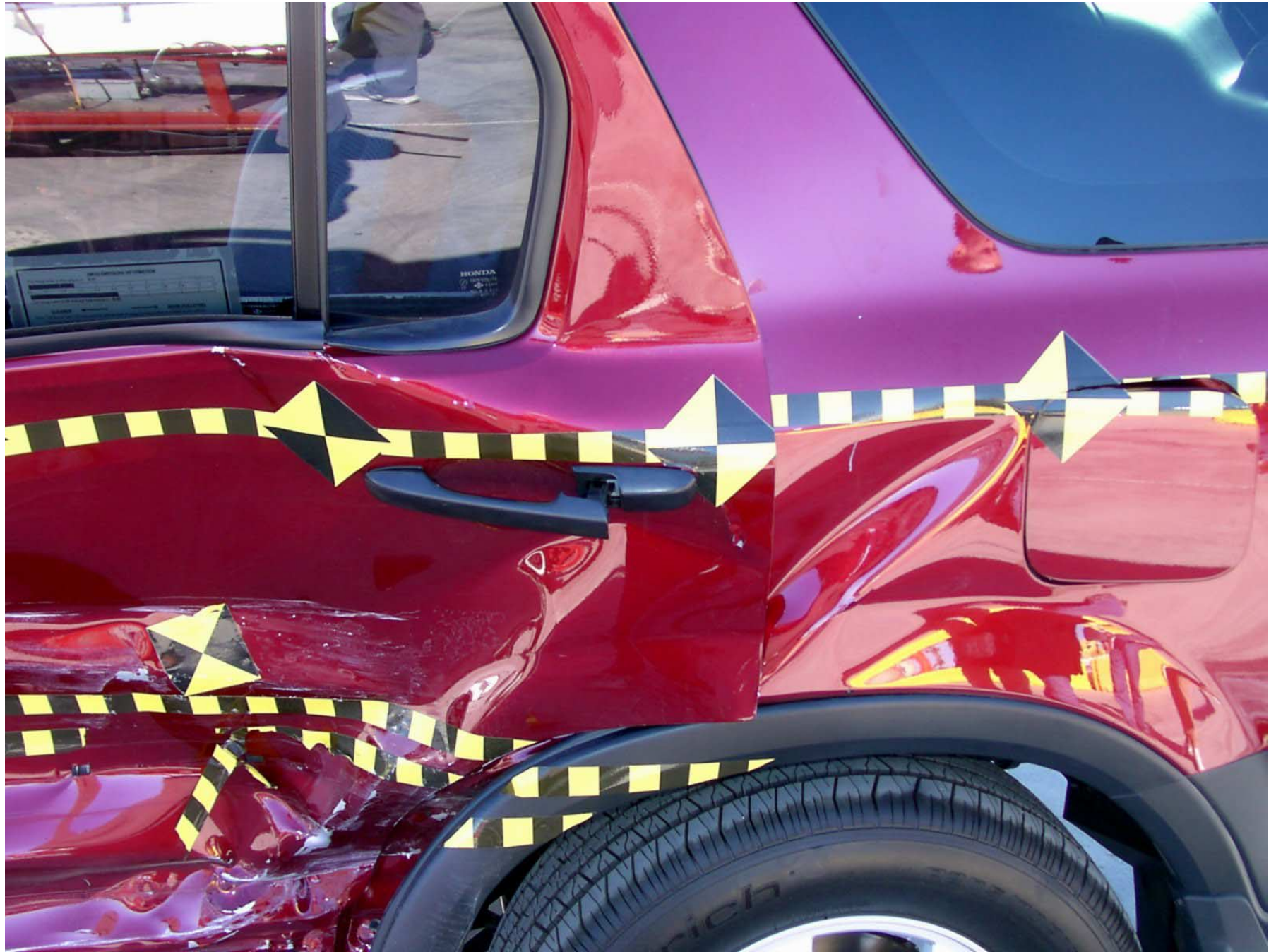


Figure A-28: Left Rear Door Closed, Post-Test



Figure A-29: Driver Dummy Left Side with Door Open, Pre-Test



Figure A-30: Driver Dummy Left Side, Pre-test



Figure A-31: Driver Dummy Left Side, Post-Test

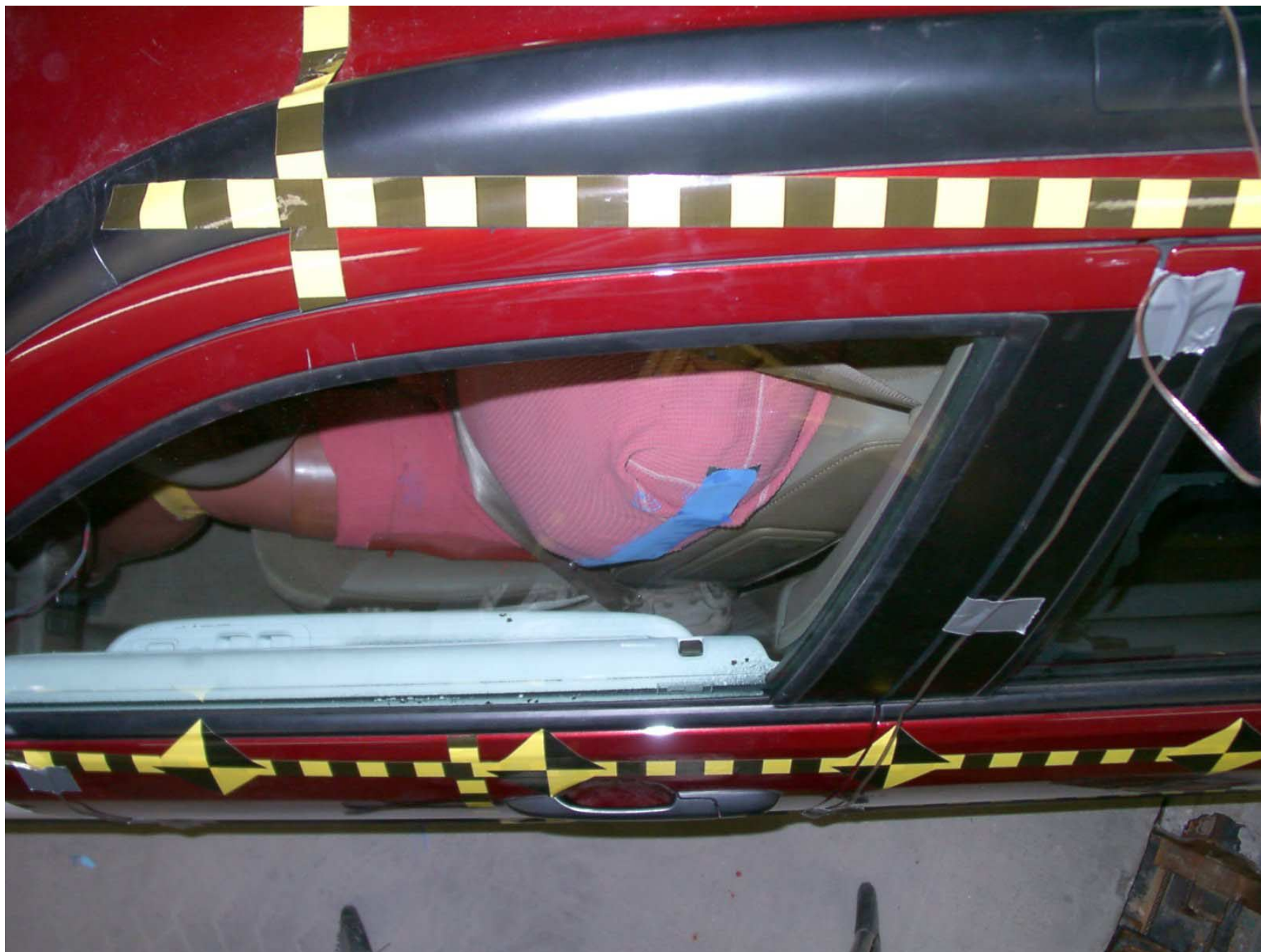


Figure A-32: Driver Dummy Clearance, Pre-Test



Figure A-33: Driver Dummy Clearance, Post-Test



Figure A-34: Driver Dummy Inside View, Pre-Test



Figure A-35: Driver Dummy Inside View, Post-Test



Figure A-36: Driver Door Inside View, Pre-Test



Figure A-37: Driver Dummy Contact Points Inside View, Post-Test (Vehicle Moved)



Figure A-38: Passenger Dummy Left Side with Door Open, Pre-Test



Figure A-39: Passenger Dummy Left Side, Pre-Test



Figure A-40: Passenger Dummy Left Side, Post-Test



Figure A-41: Passenger Dummy Clearance, Pre-Test



Figure A-42: Passenger Dummy Clearance, Post-Test



Figure A-43: Passenger Dummy Inside View, Pre-Test



Figure A-44: Passenger Dummy Inside View, Post-Test



Figure A-45: Passenger Door Inside View, Pre-Test



Figure A-46: Passenger Dummy Contact Points Inside View, Post-Test (Vehicle Moved)



Figure A-47: Front View of Deformable Barrier, Pre-Test



Figure A-48: Front View of Deformable Barrier, Post-Test

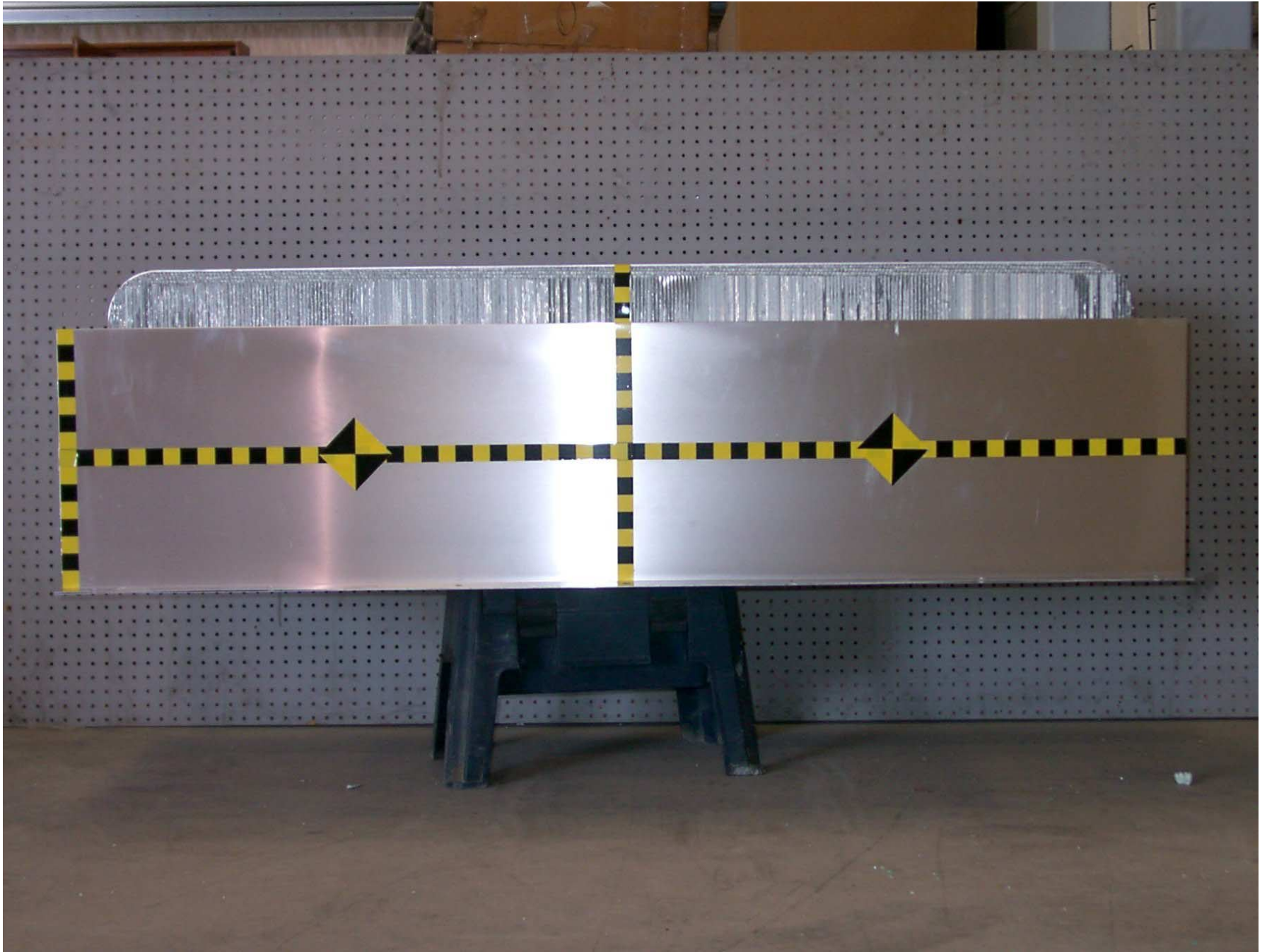


Figure A-49: Top View of Deformable Barrier, Pre-Test



Figure A-50: Top View of Deformable Barrier, Post-Test



Figure A-51: Right Side View of Deformable Barrier, Pre-Test



Figure A-52: Right Side View of Deformable Barrier, Post-Test



Figure A-53: Left Side View of Deformable Barrier, Pre-Test



Figure A-54: Left Side View of Deformable Barrier, Post-Test



Figure A-55: Vehicle on Rollover Device, Top View



Figure A-56: Vehicle During Impact

APPENDIX B
SID, VEHICLE, AND MDB RESPONSE DATA

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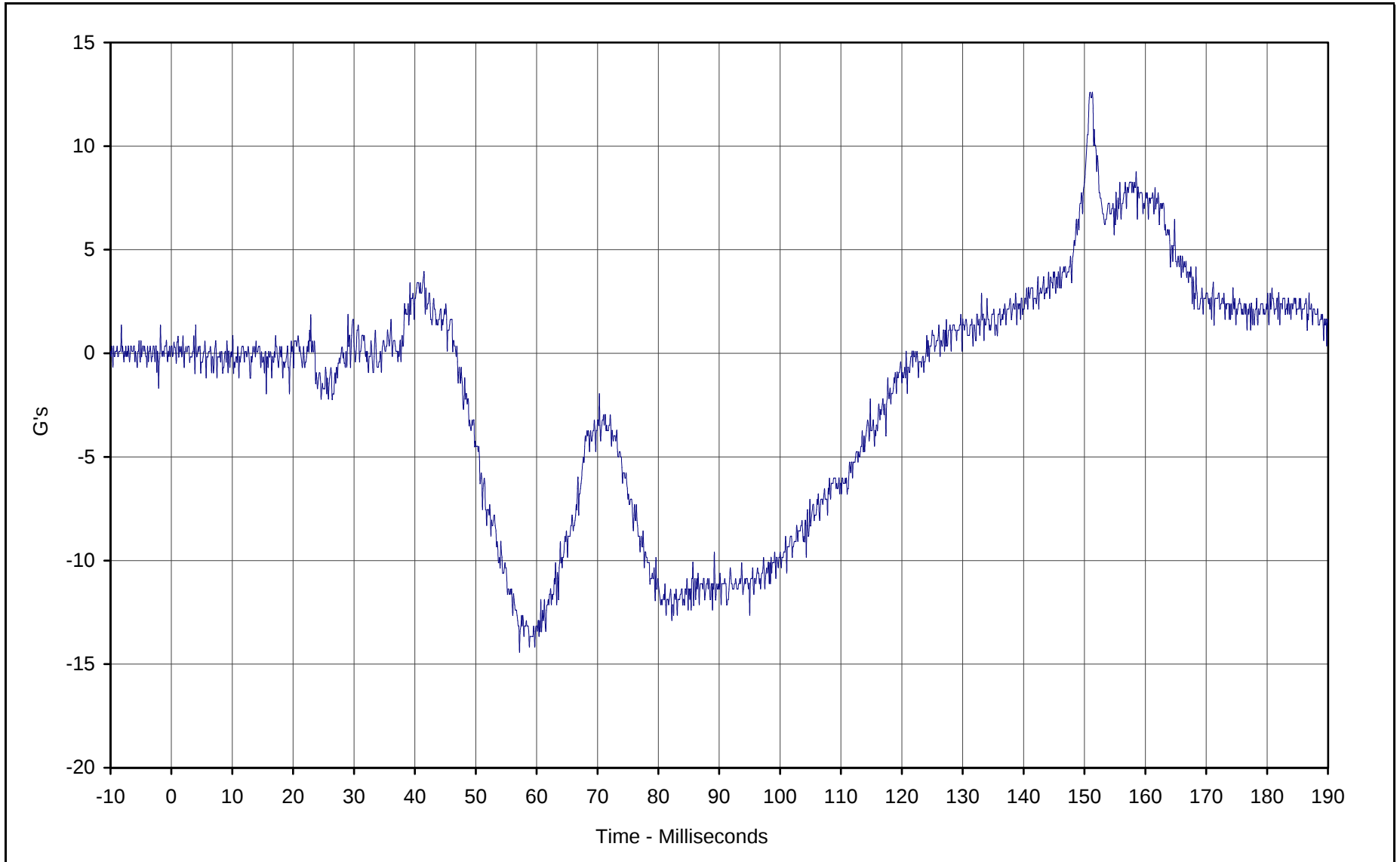
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Curve Description: Driver Head CG X

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Minimum Value: -14.4 at 57.2 Milliseconds

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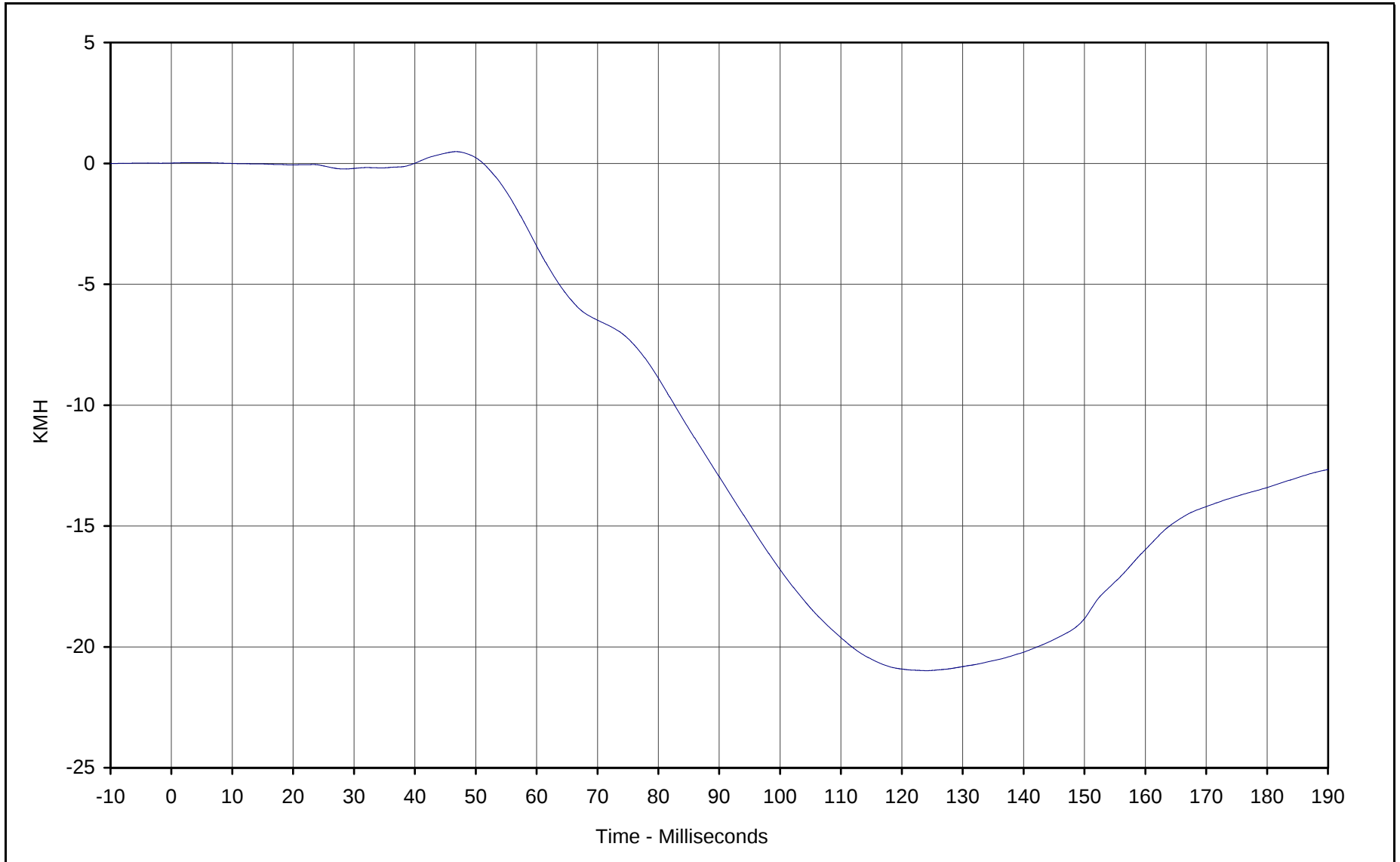
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Test Vehicle: 2002 Honda CR-V EX 4WD SUV

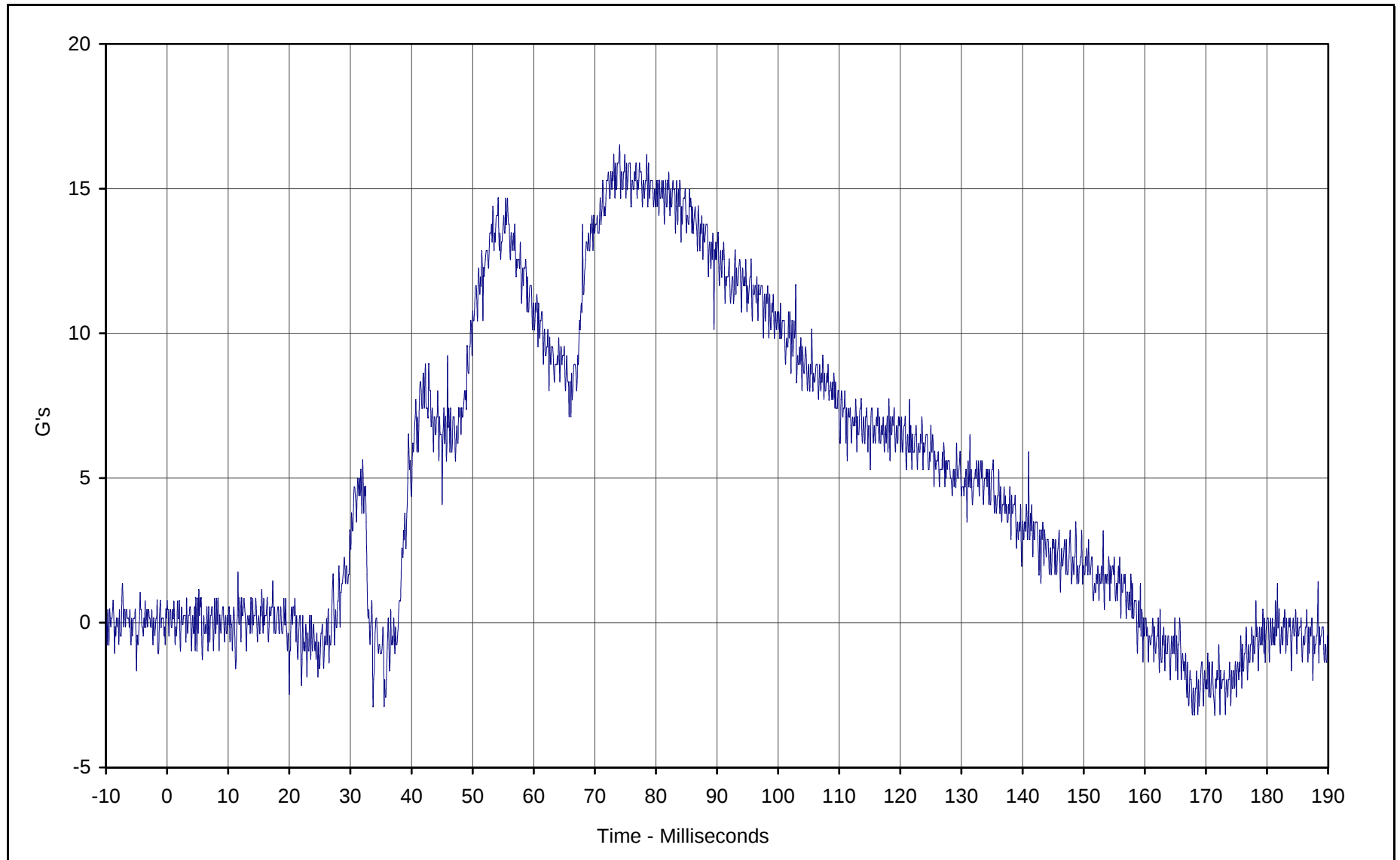




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Test Vehicle: 2002 Honda CR-V EX 4WD SUV

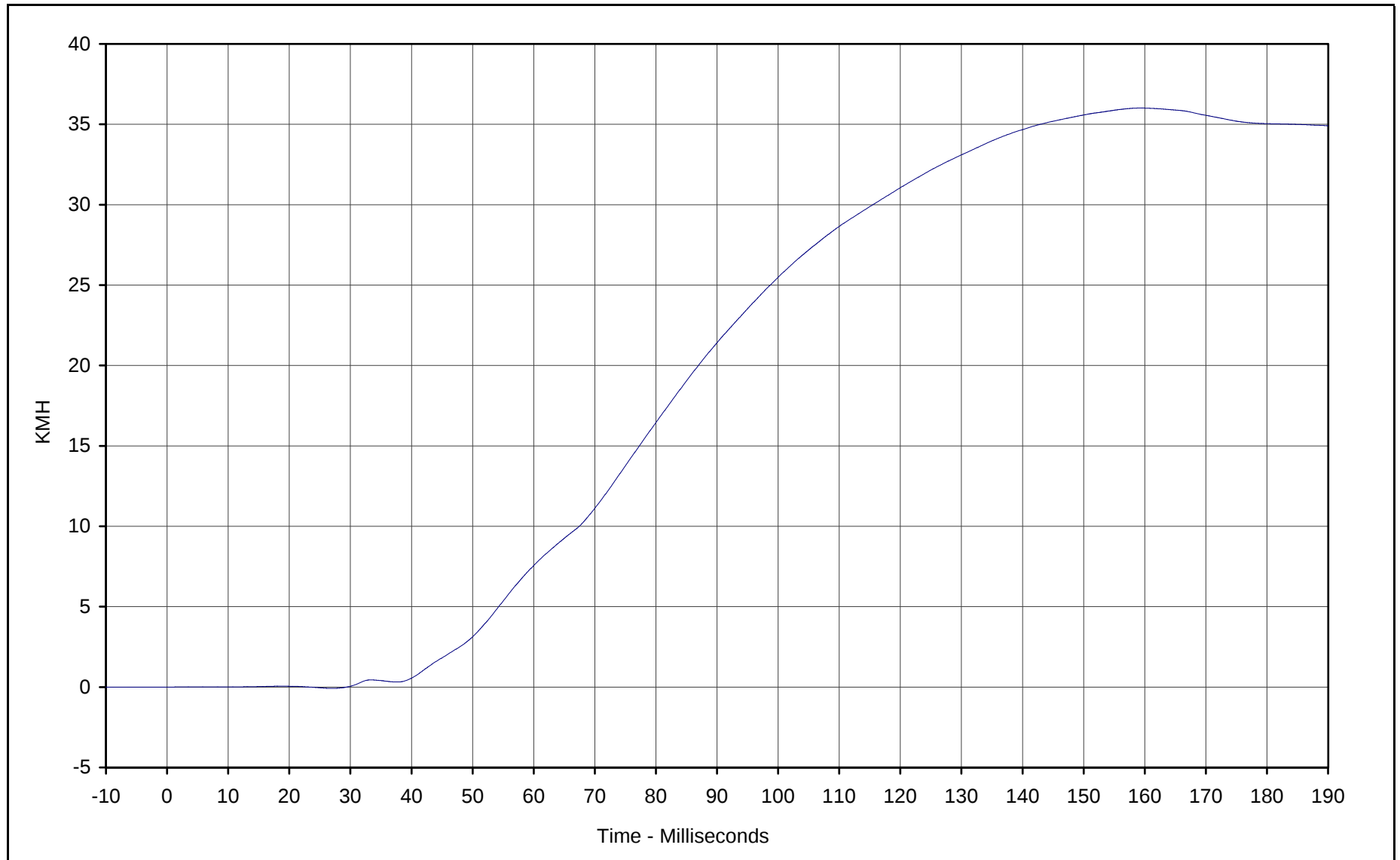




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Minimum Value: -3.2 at 167.8 Milliseconds
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Curve Number: FIL-002

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

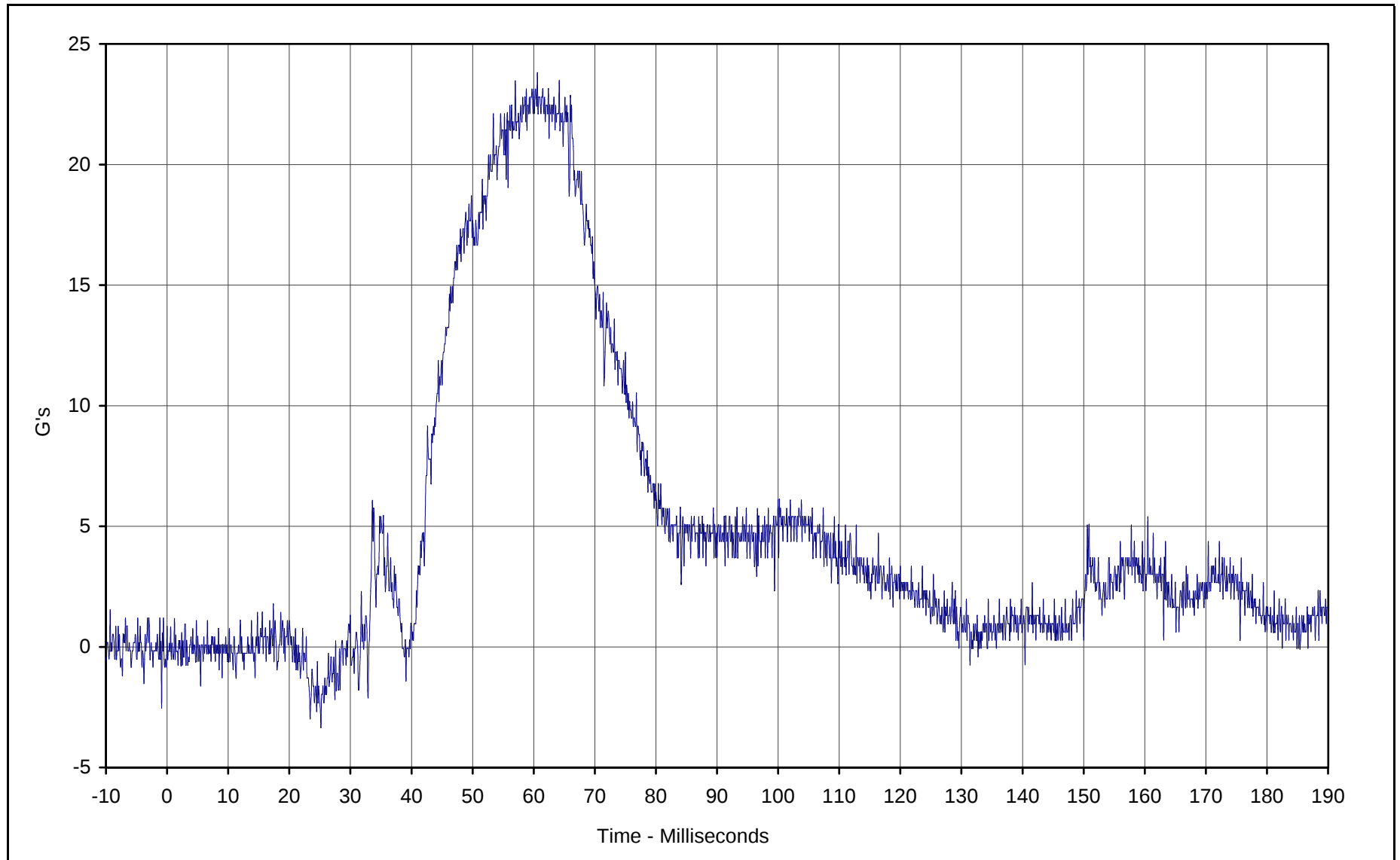




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Curve Number: IN1-002

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

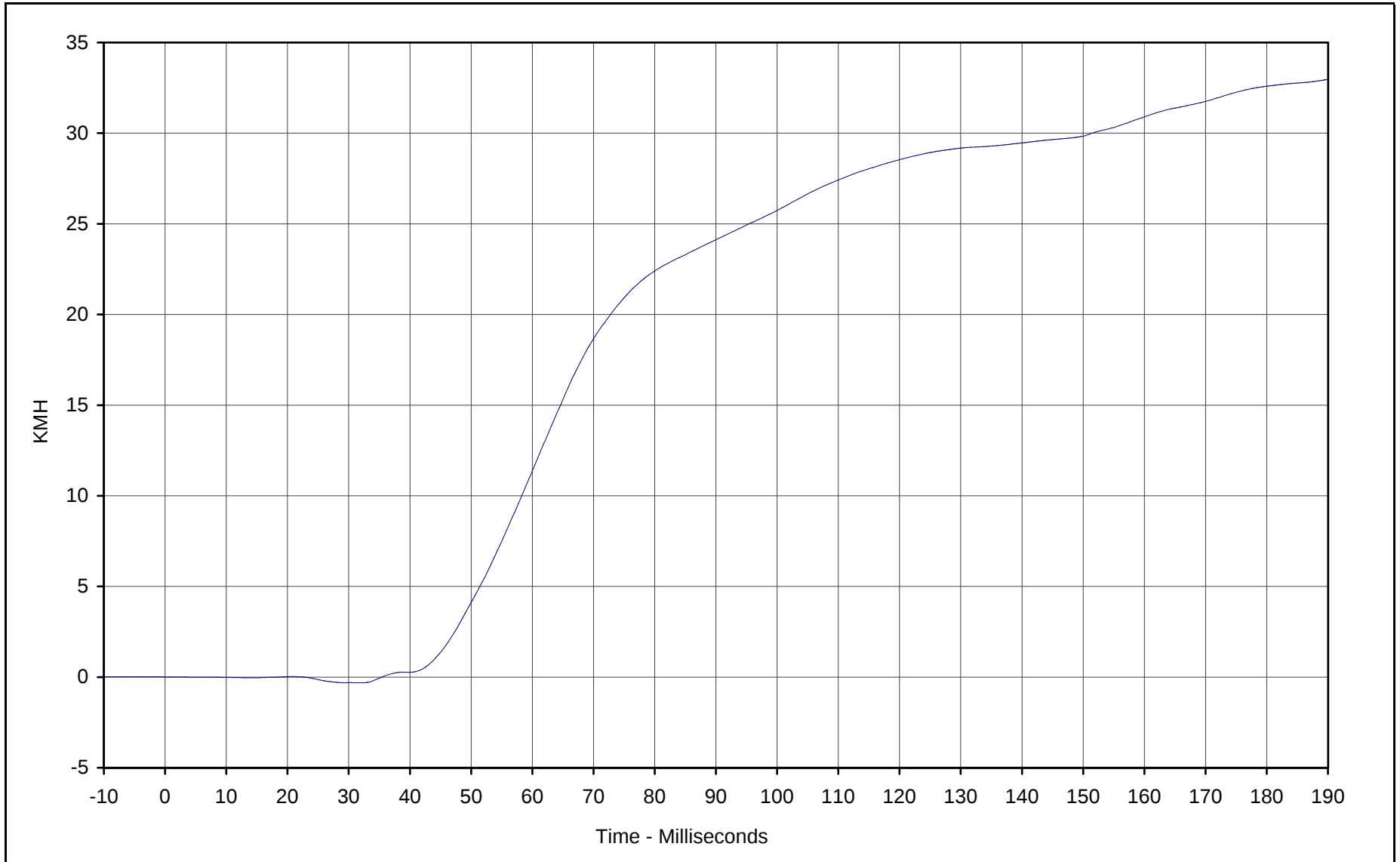




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Minimum Value: -3.3 at 25.2 Milliseconds
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Curve Number: FIL-003

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

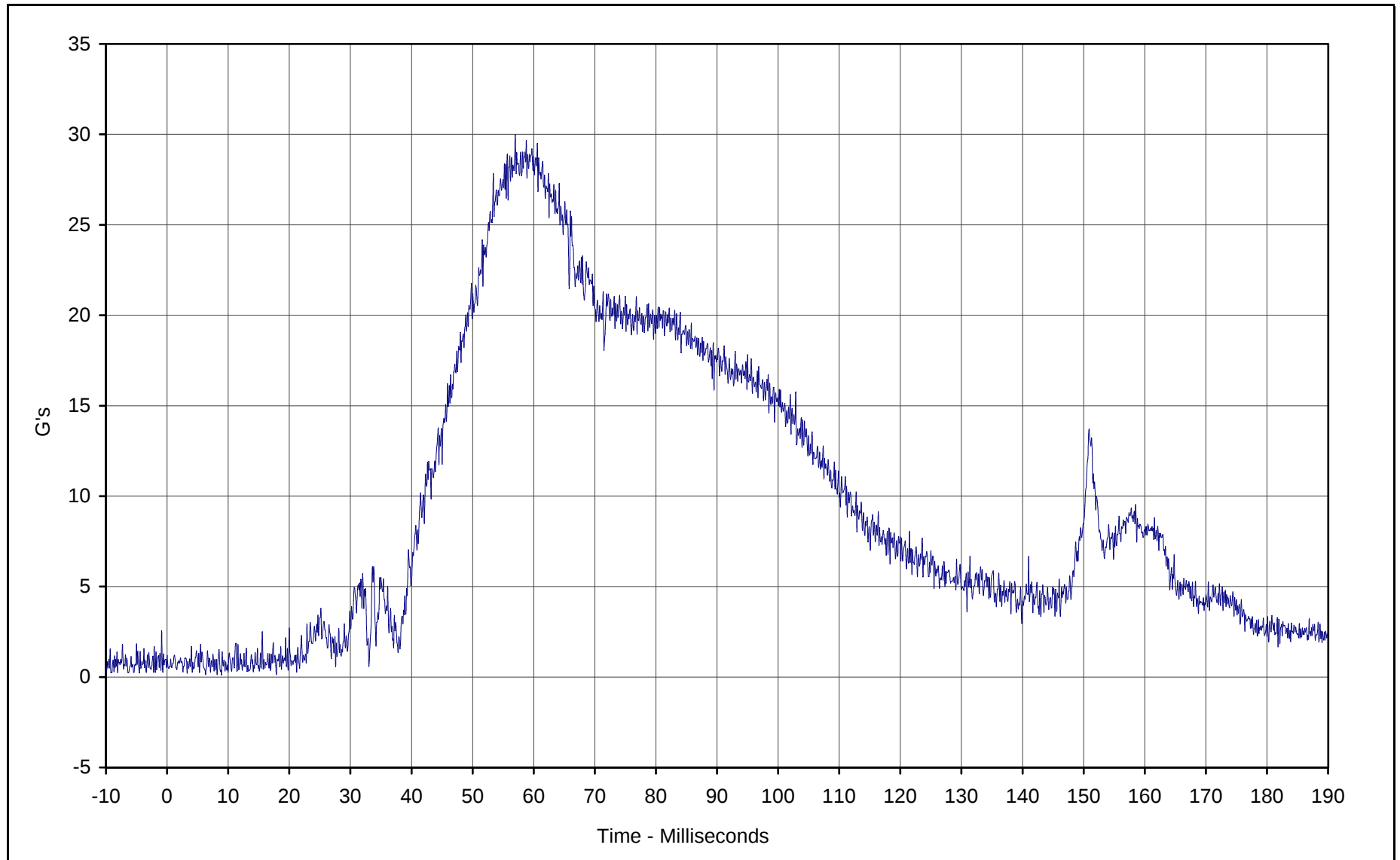




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Maximum Value: 33.0 at 189.9 Milliseconds
Minimum Value: -0.3 at 31.8 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-003

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

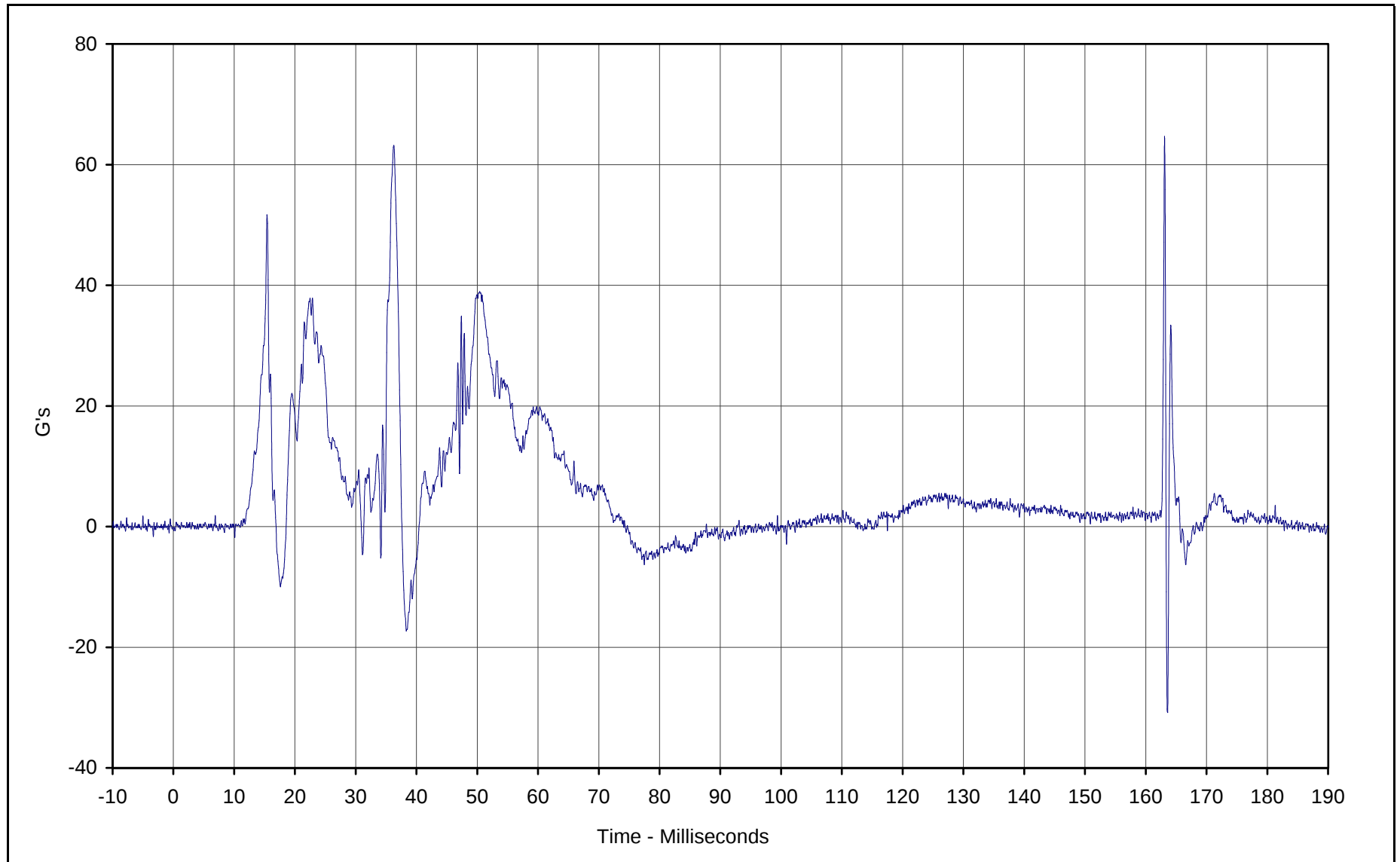




Curve Description: Driver Head CG Resultant
Maximum Value: 30.0 at 57.0 Milliseconds
Minimum Value: 0.1 at 6.3 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: RES-001

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

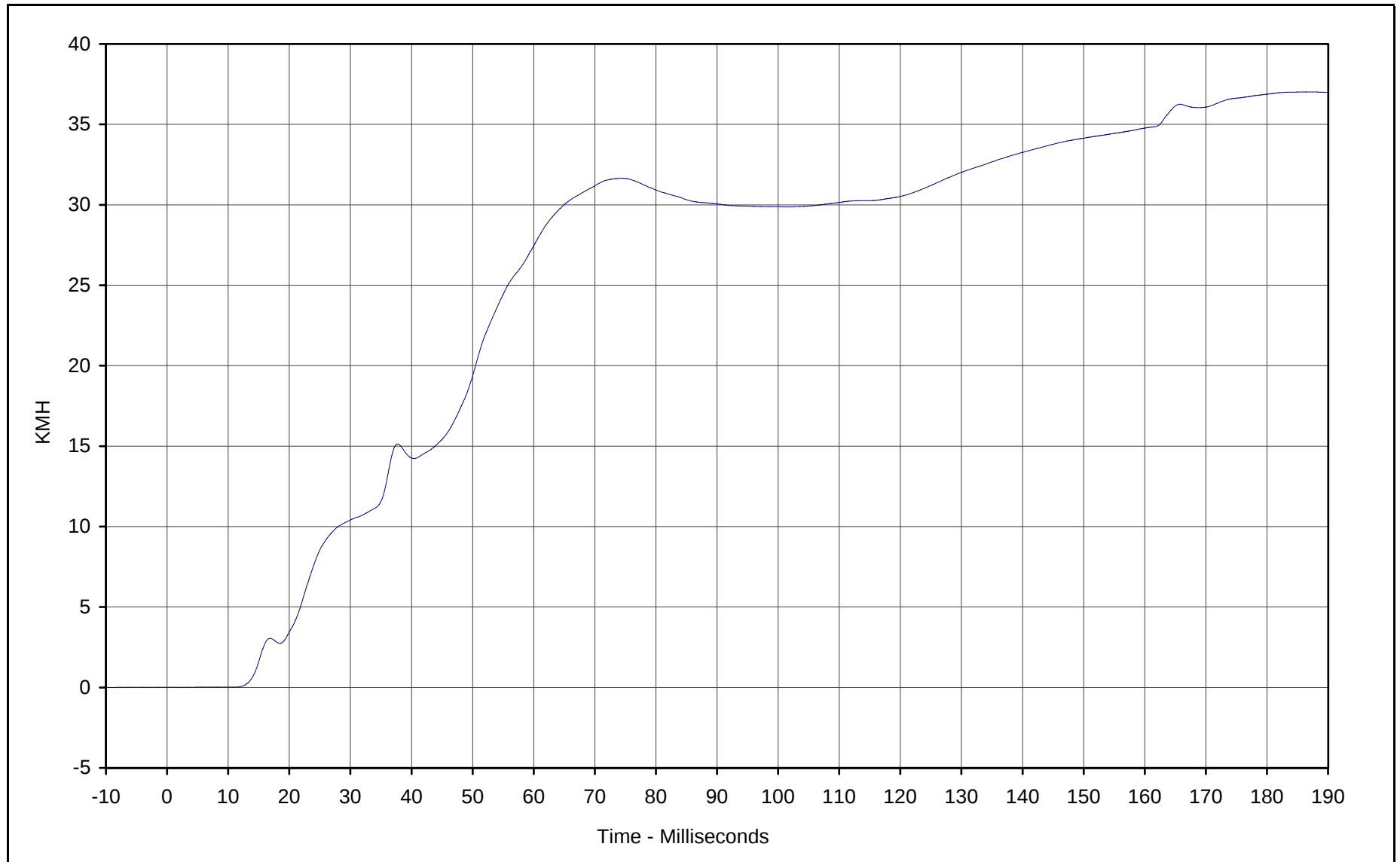




Curve Description: Driver Upper Rib Primary Y
Maximum Value: 64.6 at 163.1 Milliseconds
Minimum Value: -30.8 at 163.6 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-004

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Driver Upper Rib Primary Y Velocity

Maximum Value: 37.0 at 186.7 Milliseconds

Minimum Value: 0.0 at 0.2 Milliseconds

SAE Filter Class: 180

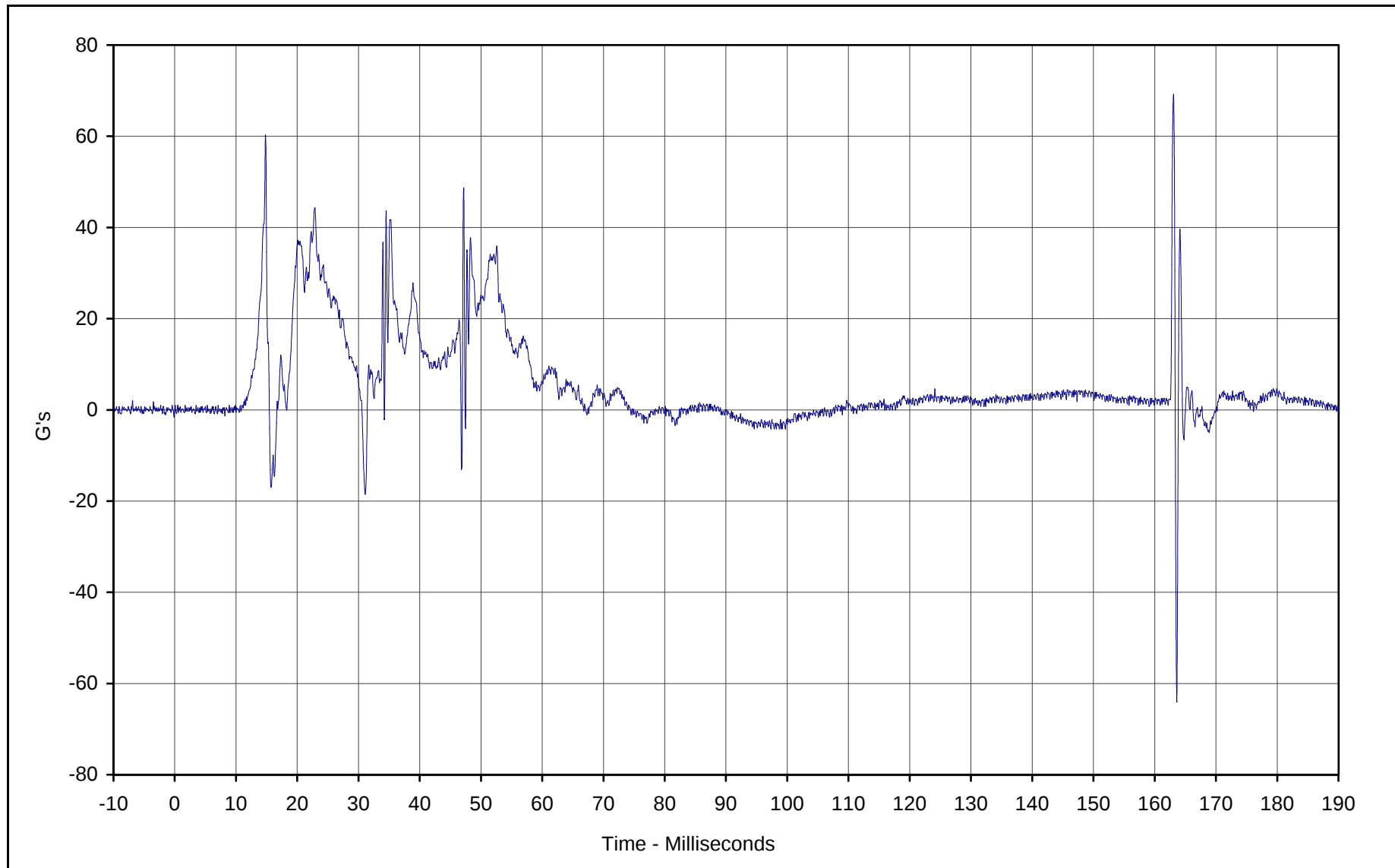
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Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

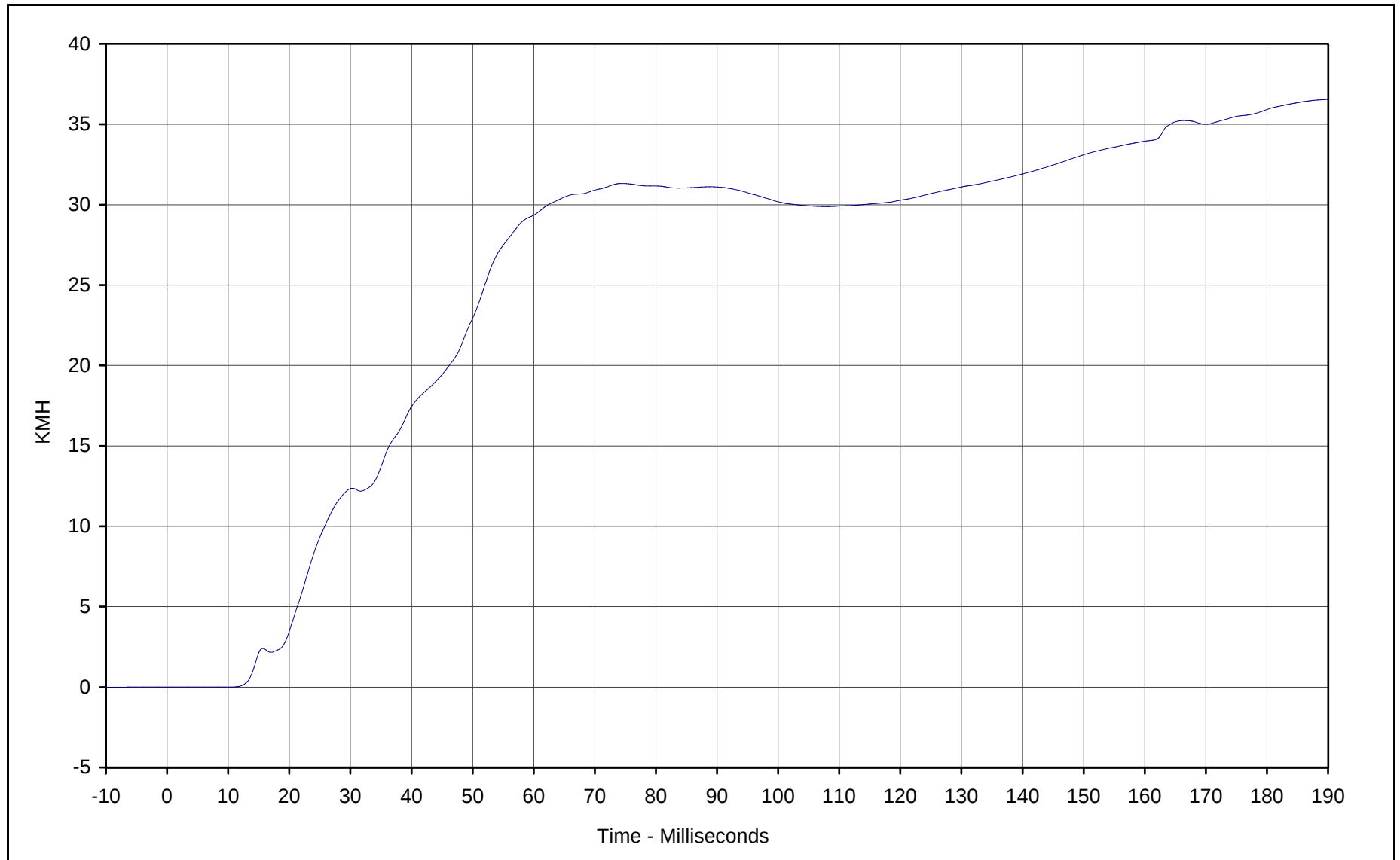




Curve Description: Driver Lower Rib Primary Y
Maximum Value: 69.1 at 163.1 Milliseconds
Minimum Value: -63.9 at 163.6 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-005

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Driver Lower Rib Primary Y Velocity

Maximum Value: 36.5 at 189.9 Milliseconds

Minimum Value: 0.0 at 9.2 Milliseconds

SAE Filter Class: 180

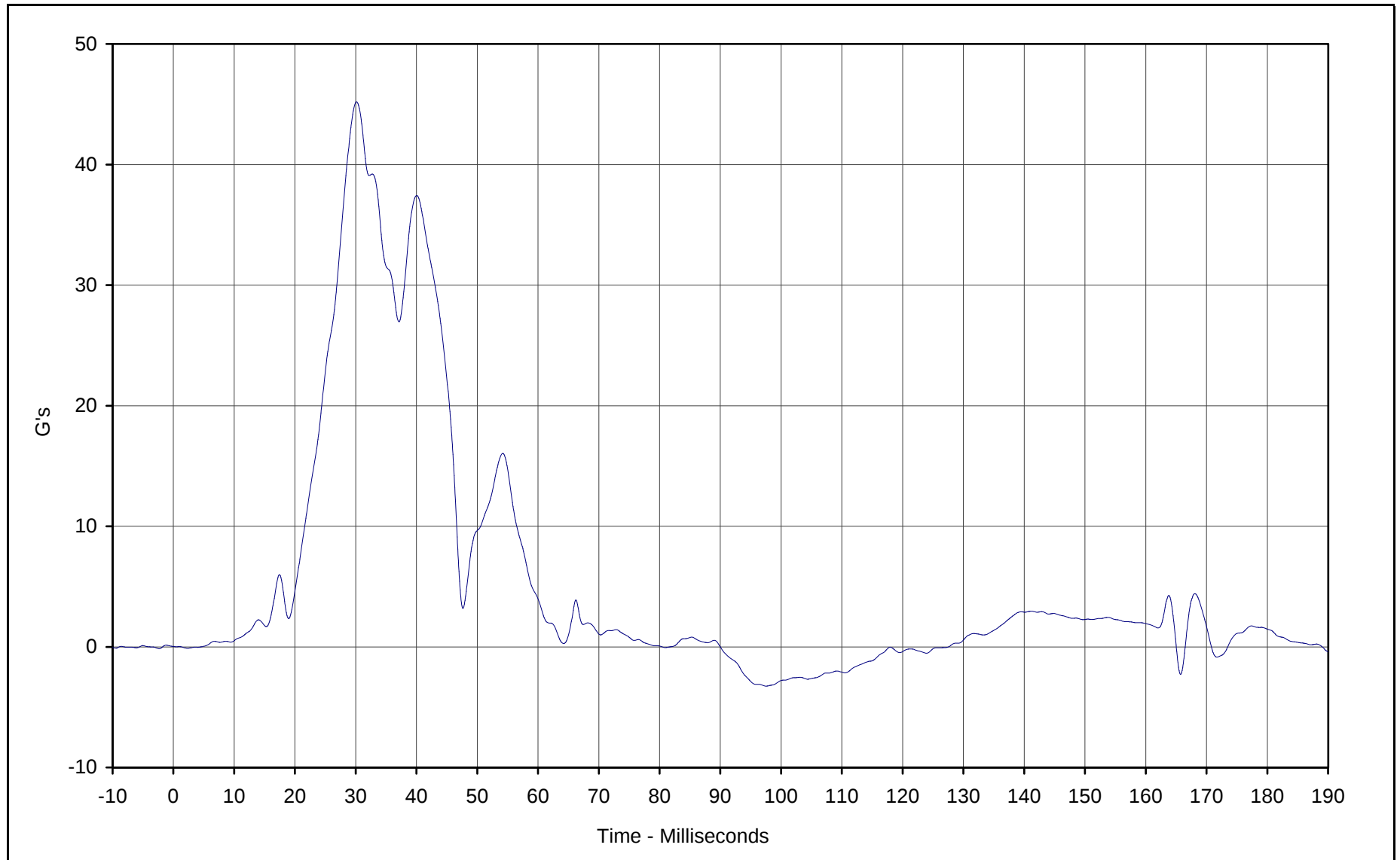
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Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

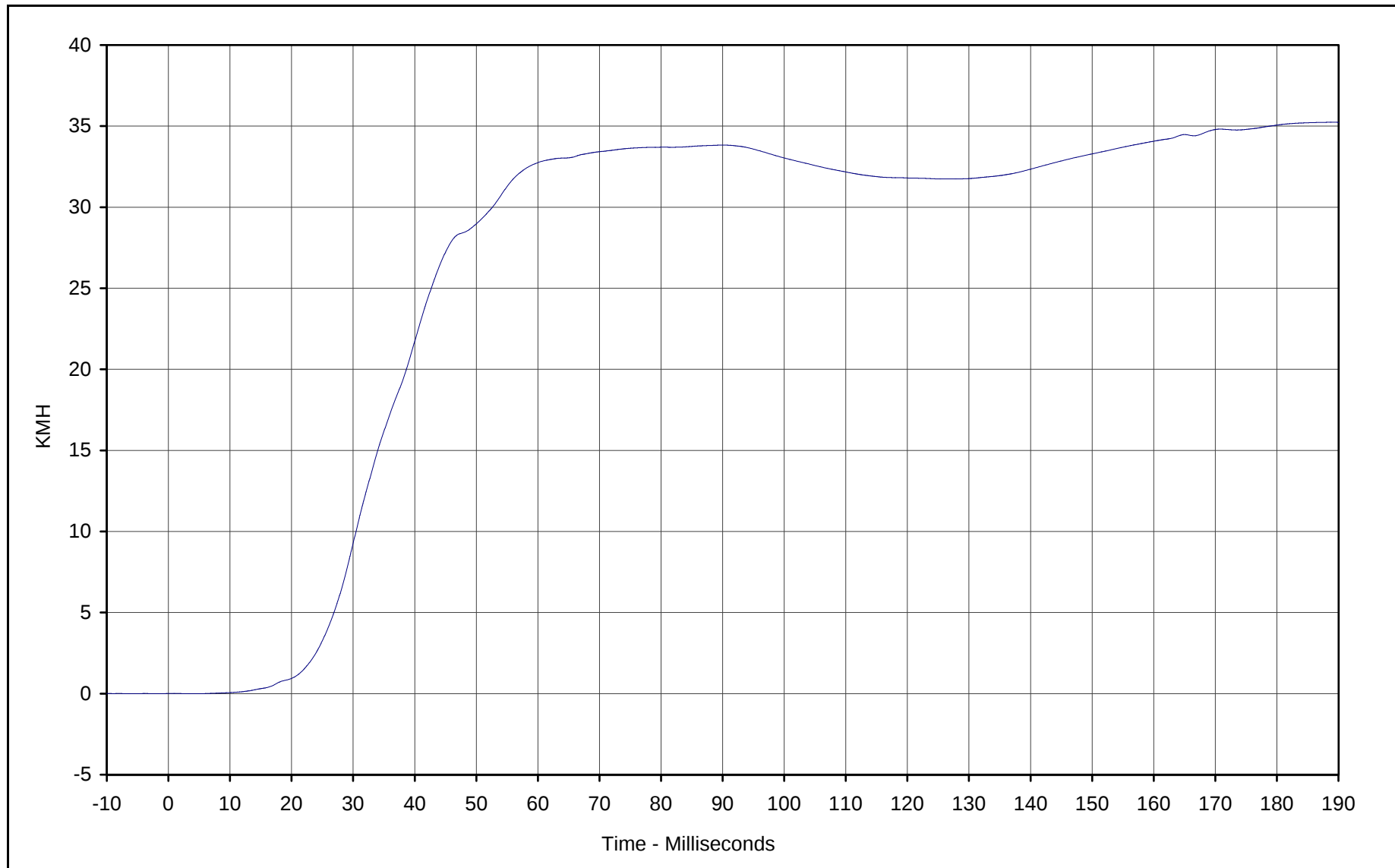




Curve Description: Driver Lower Spine Primary Y
Maximum Value: 45.2 at 30.1 Milliseconds
Minimum Value: -3.3 at 97.6 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: FIL-006

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Driver Lower Spine Primary Y Velocity

Maximum Value: 35.2 at 189.0 Milliseconds

Minimum Value: 0.0 at 4.5 Milliseconds

SAE Filter Class: 180

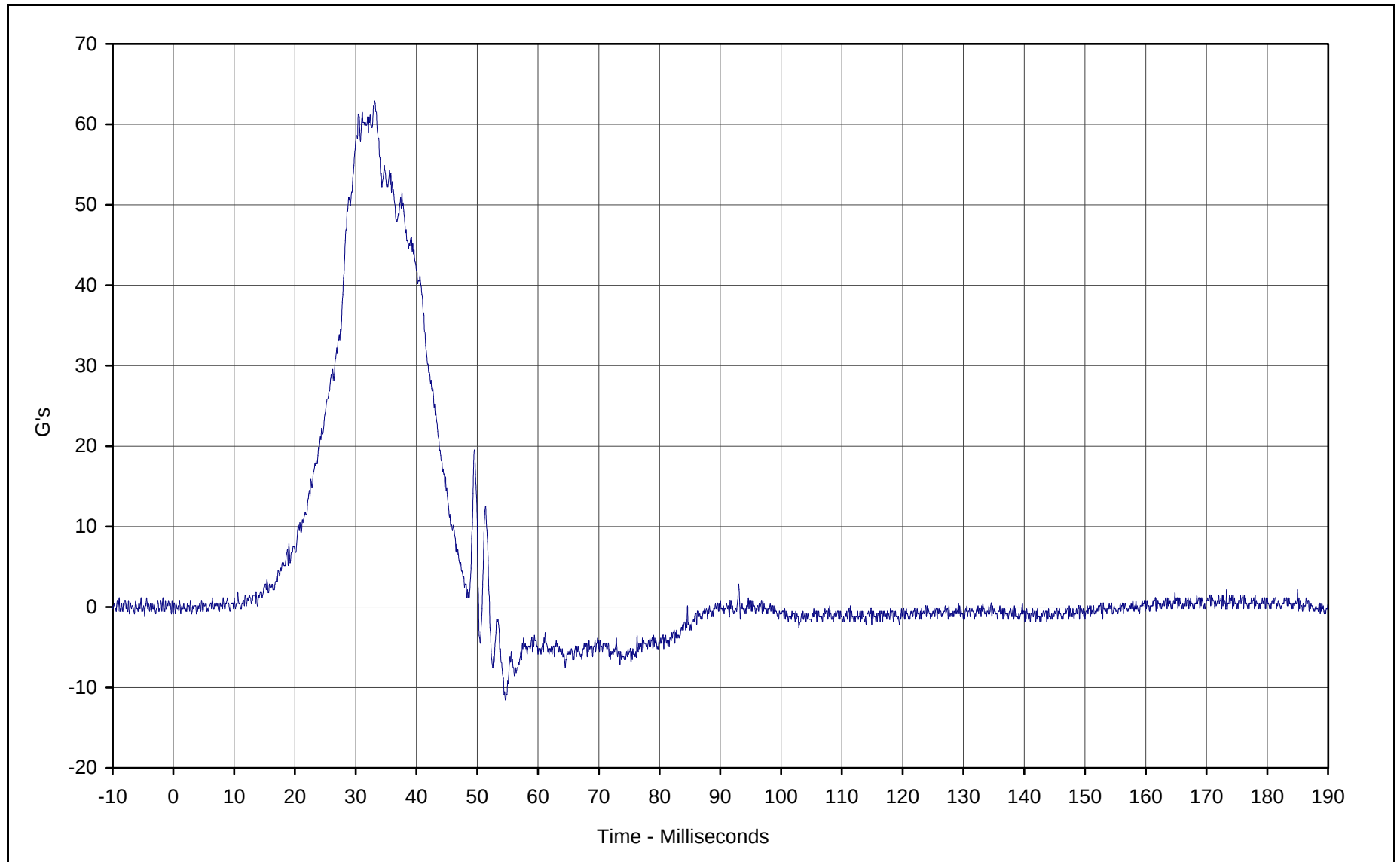
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Curve Number: IN1-006

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

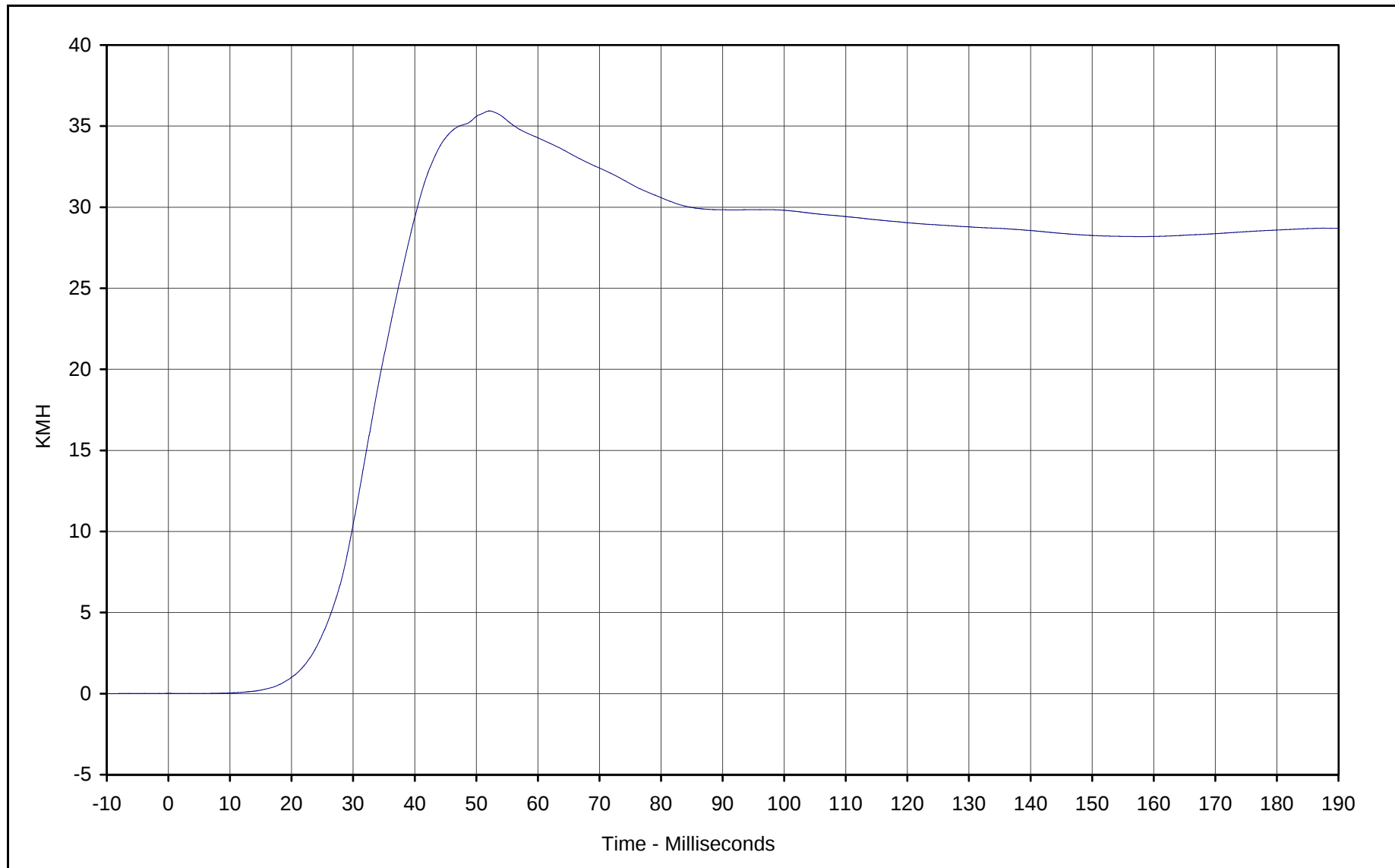




Curve Description: Driver Pelvis Primary Y
Maximum Value: 62.9 at 33.1 Milliseconds
Minimum Value: -11.5 at 54.6 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-007

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

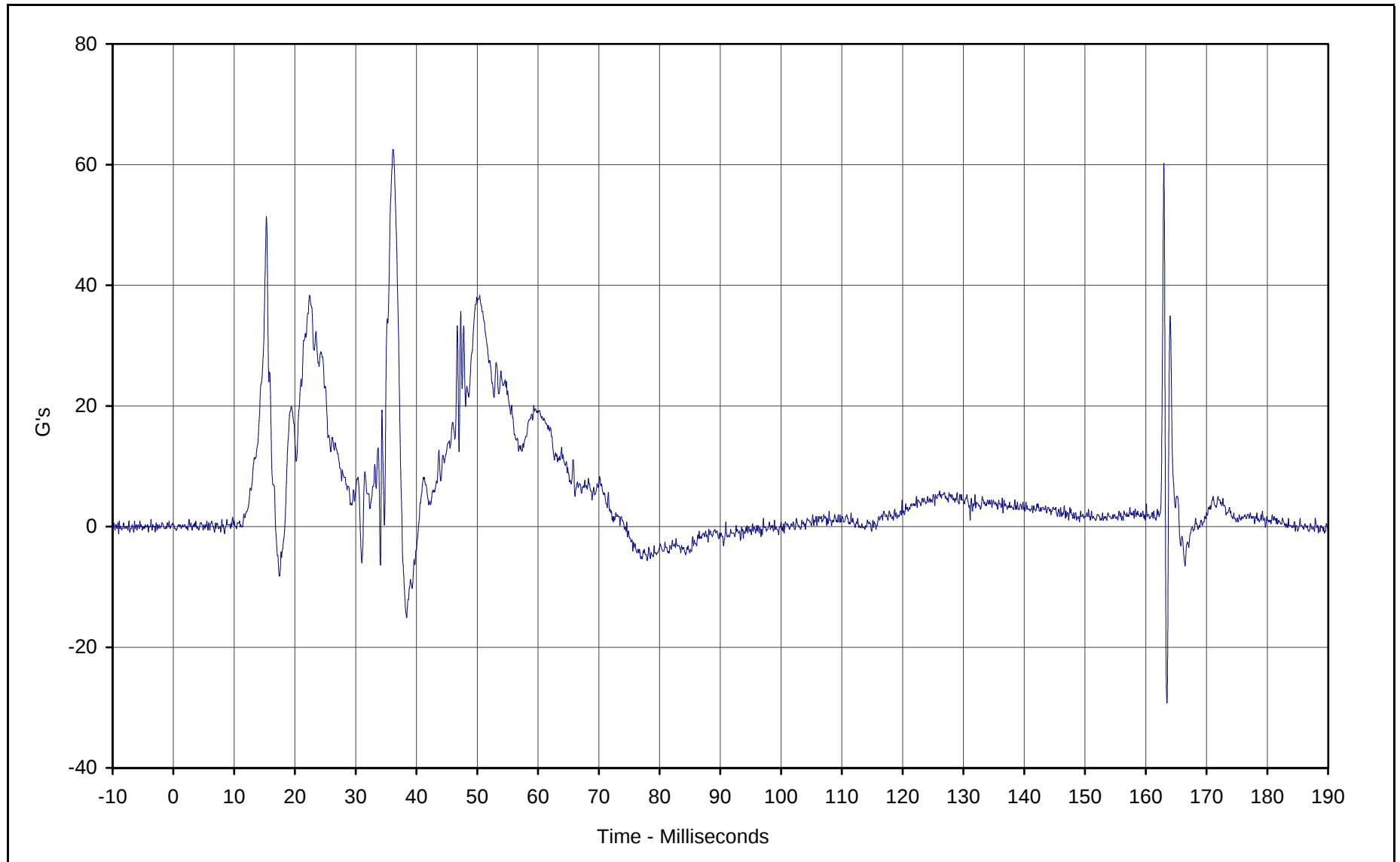




Curve Description: Driver Pelvis Primary Y Velocity
Maximum Value: 35.9 at 52.1 Milliseconds
Minimum Value: 0.0 at 4.5 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-007

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

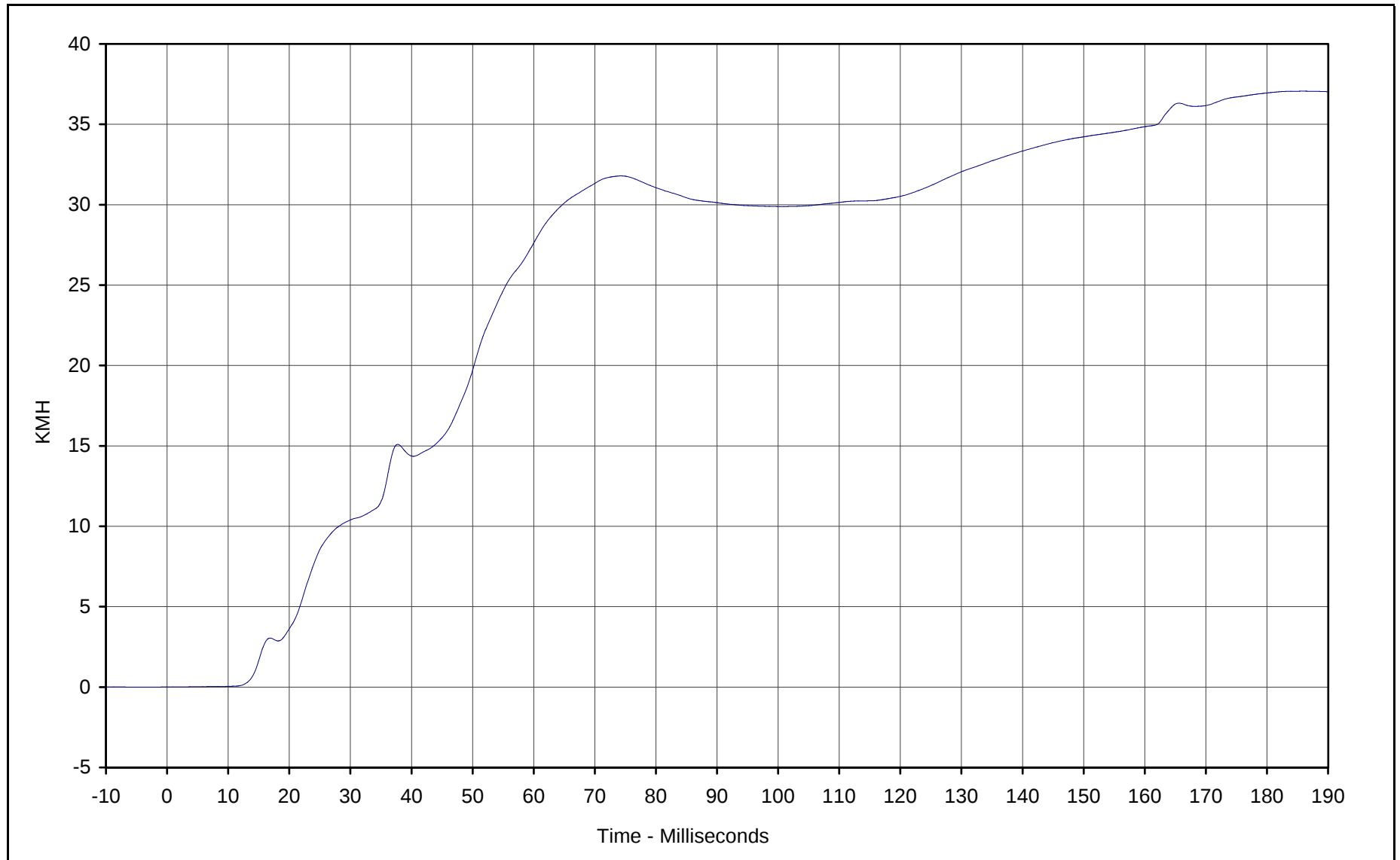




Curve Description: Driver Upper Rib Redundant Y
Maximum Value: 62.5 at 36.1 Milliseconds
Minimum Value: -29.1 at 163.5 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-008

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Driver Upper Rib Redundant Y Velocity

Maximum Value: 37.1 at 186.0 Milliseconds

Minimum Value: 0.0 at 1.1 Milliseconds

SAE Filter Class: 180

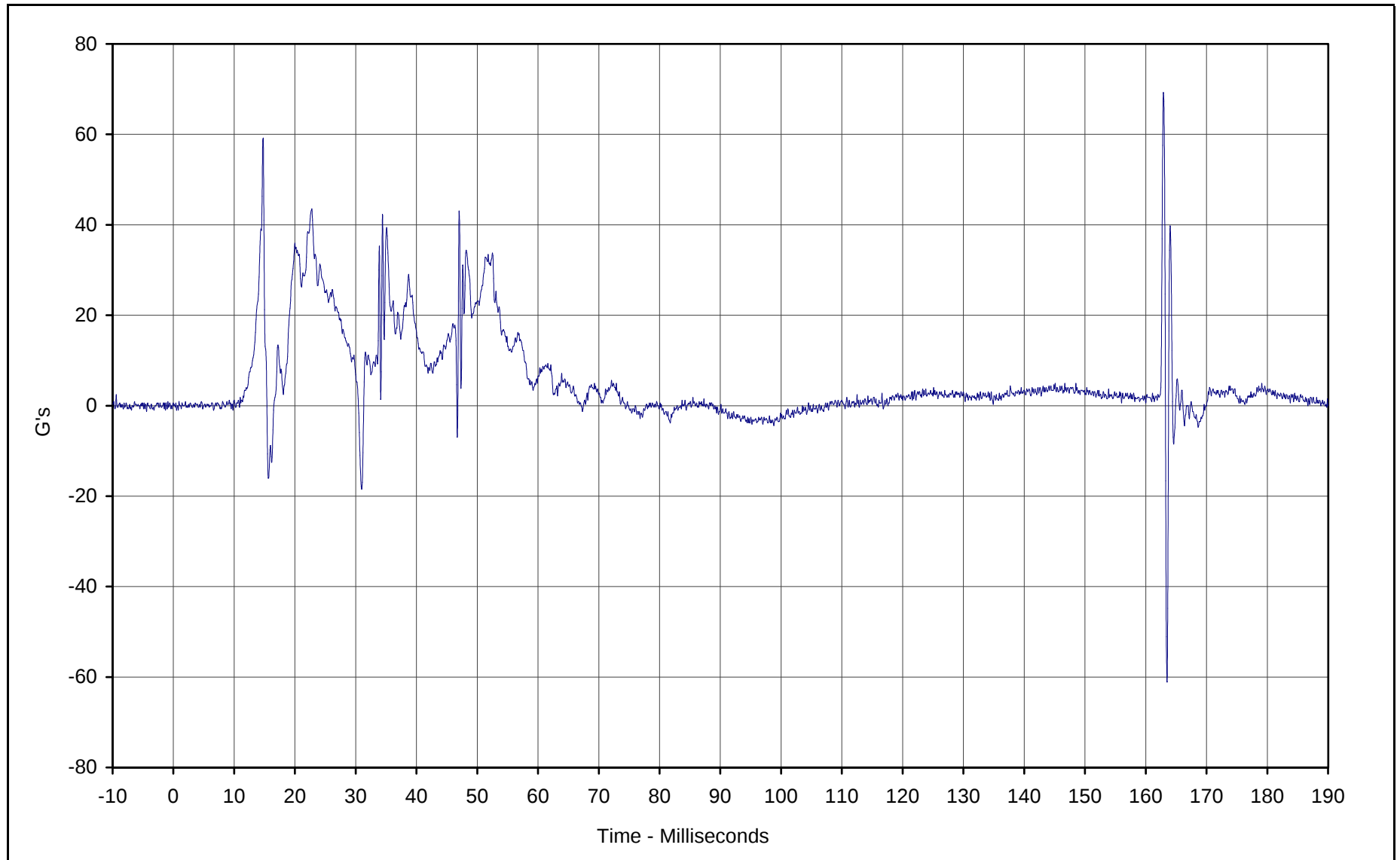
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Curve Number: IN1-008

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

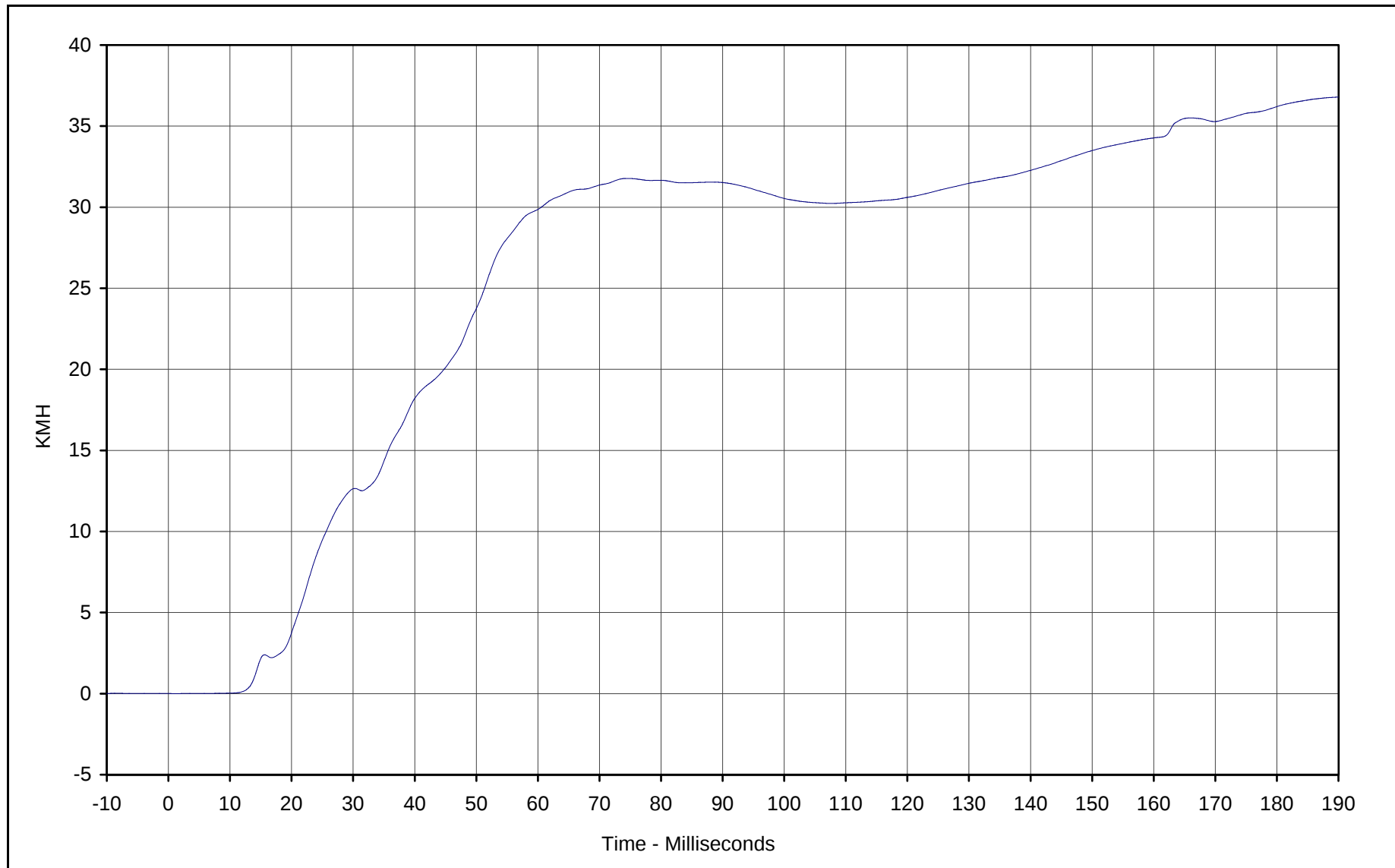




Curve Description: Driver Lower Rib Redundant Y
Maximum Value: 69.2 at 162.9 Milliseconds
Minimum Value: -61.1 at 163.5 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-009

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Driver Lower Rib Redundant Y Velocity

Maximum Value: 36.8 at 189.9 Milliseconds

Minimum Value: 0.0 at 1.2 Milliseconds

SAE Filter Class: 180

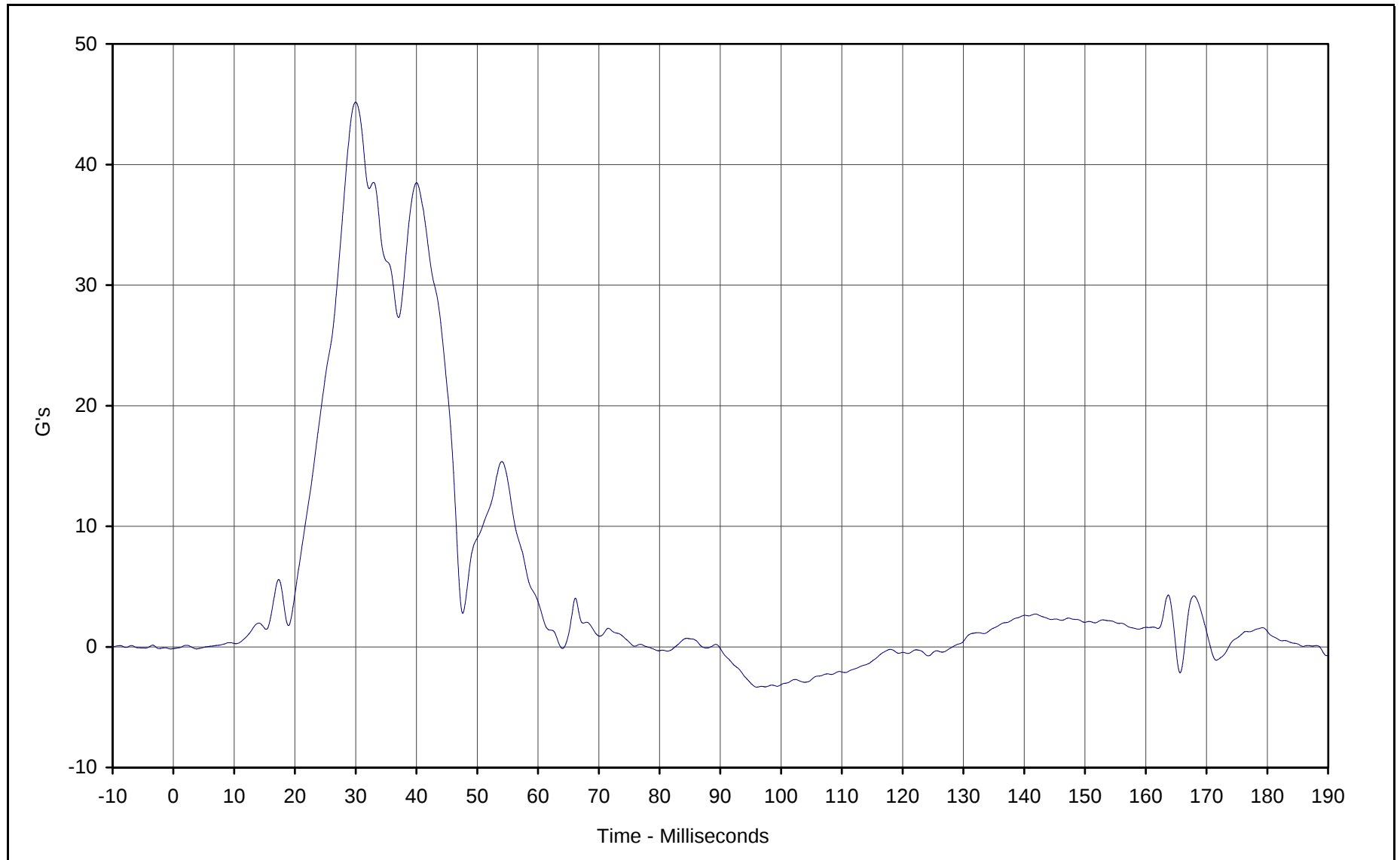
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Curve Number: IN1-009

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

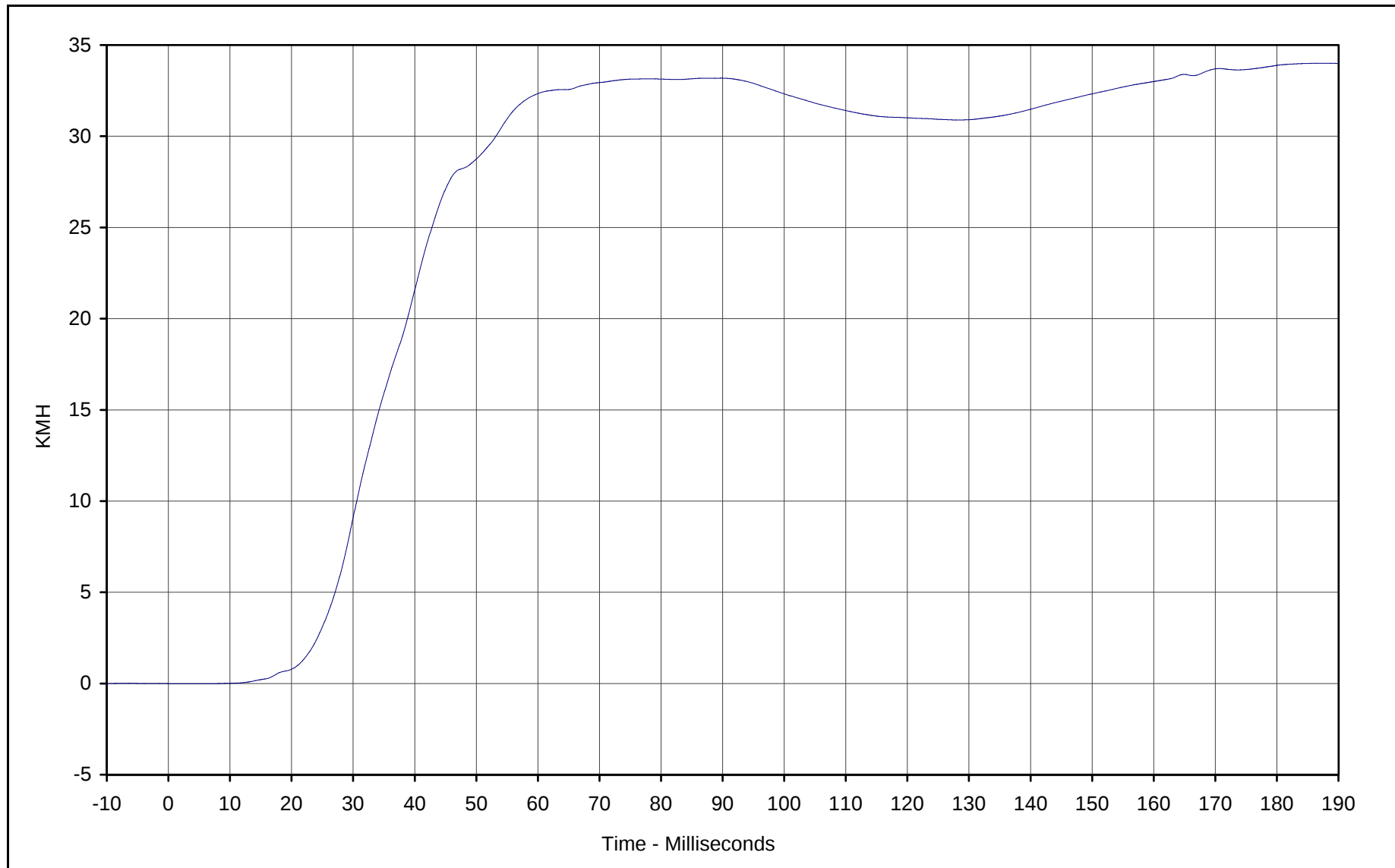




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Minimum Value: -3.3 at 96.0 Milliseconds
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Curve Number: FIL-010

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Driver Lower Spine Redundant Y Velocity

Maximum Value: 34.0 at 188.6 Milliseconds

Minimum Value: 0.0 at 5.4 Milliseconds

SAE Filter Class: 180

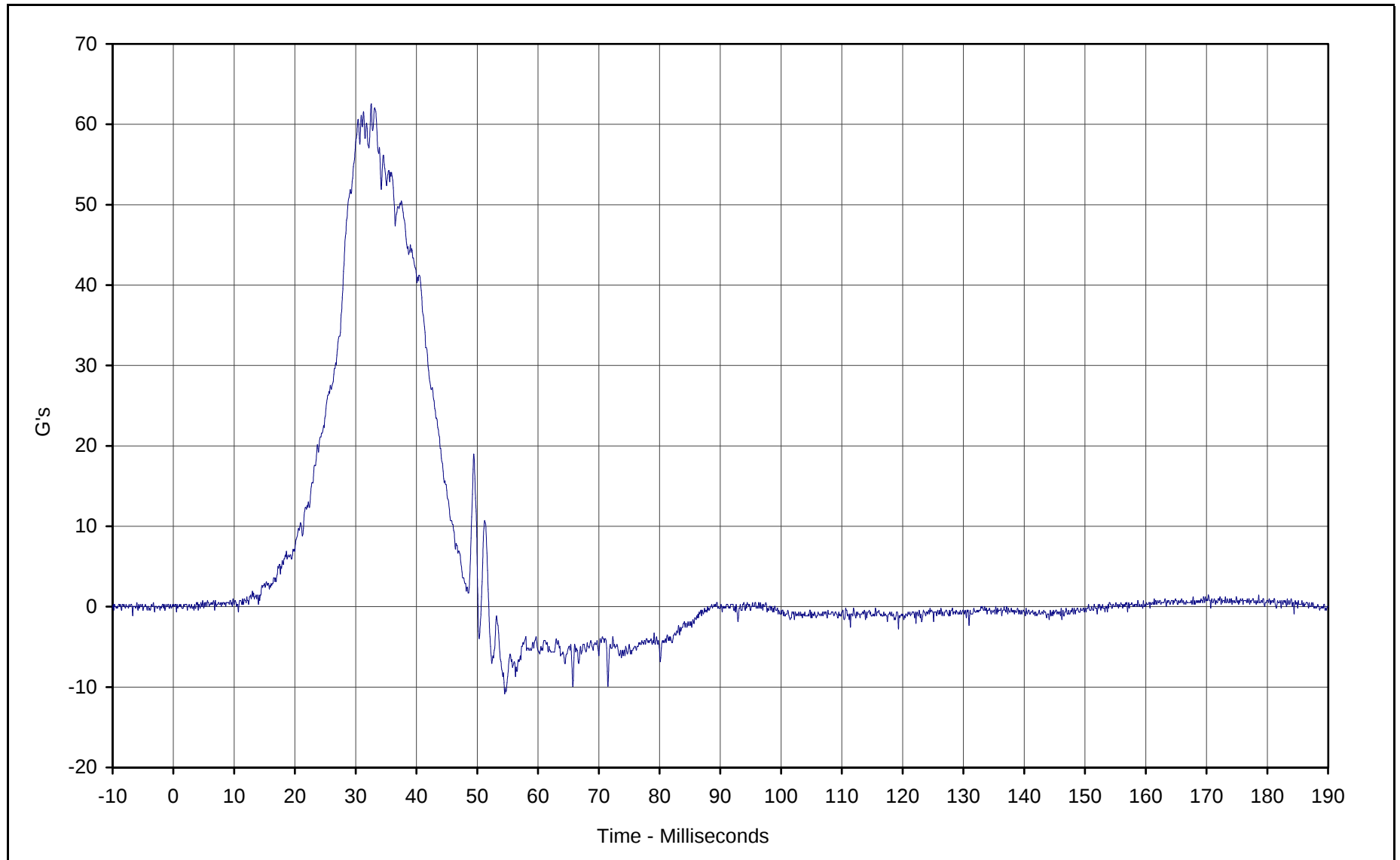
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Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

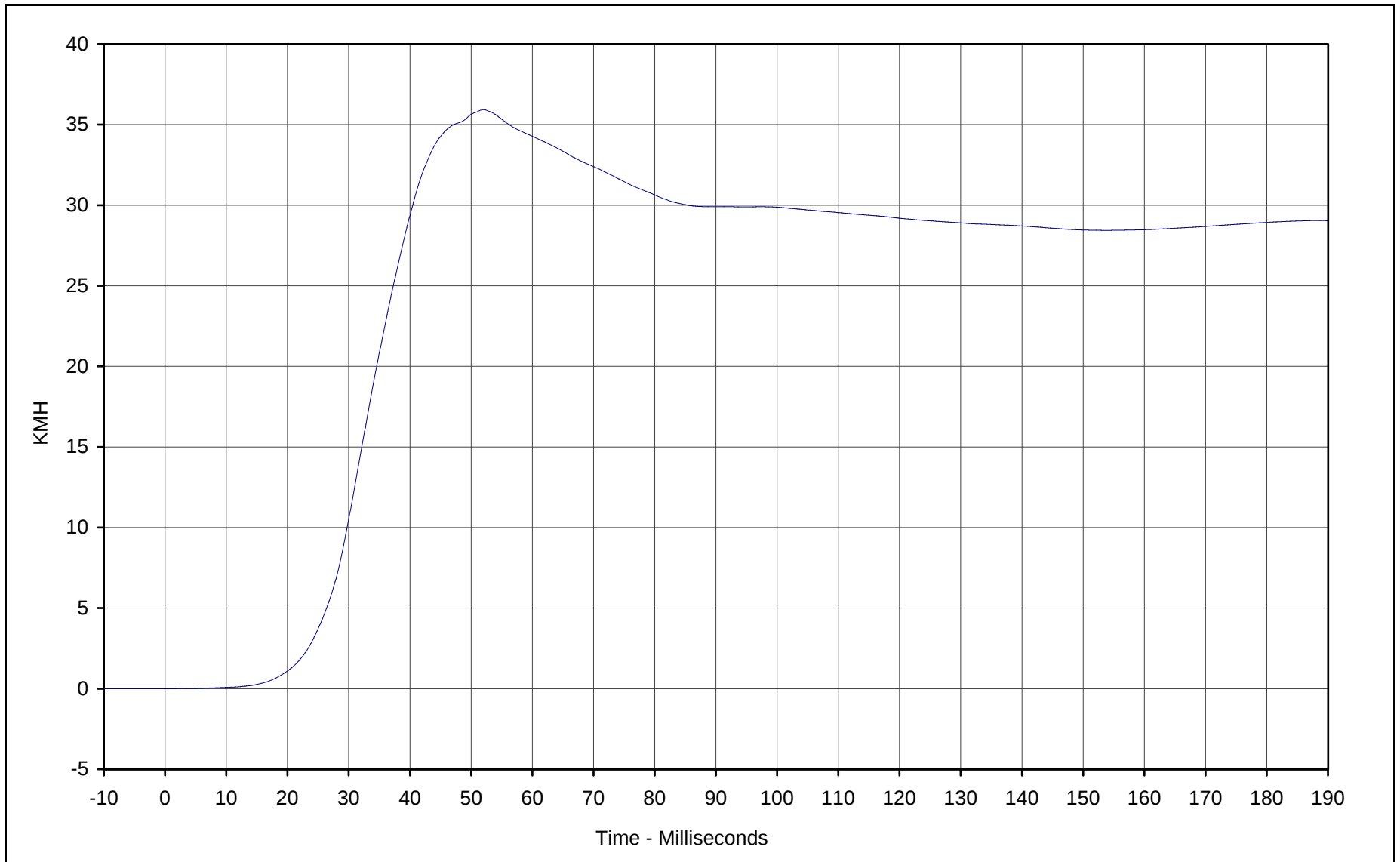




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Curve Number: FIL-011

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

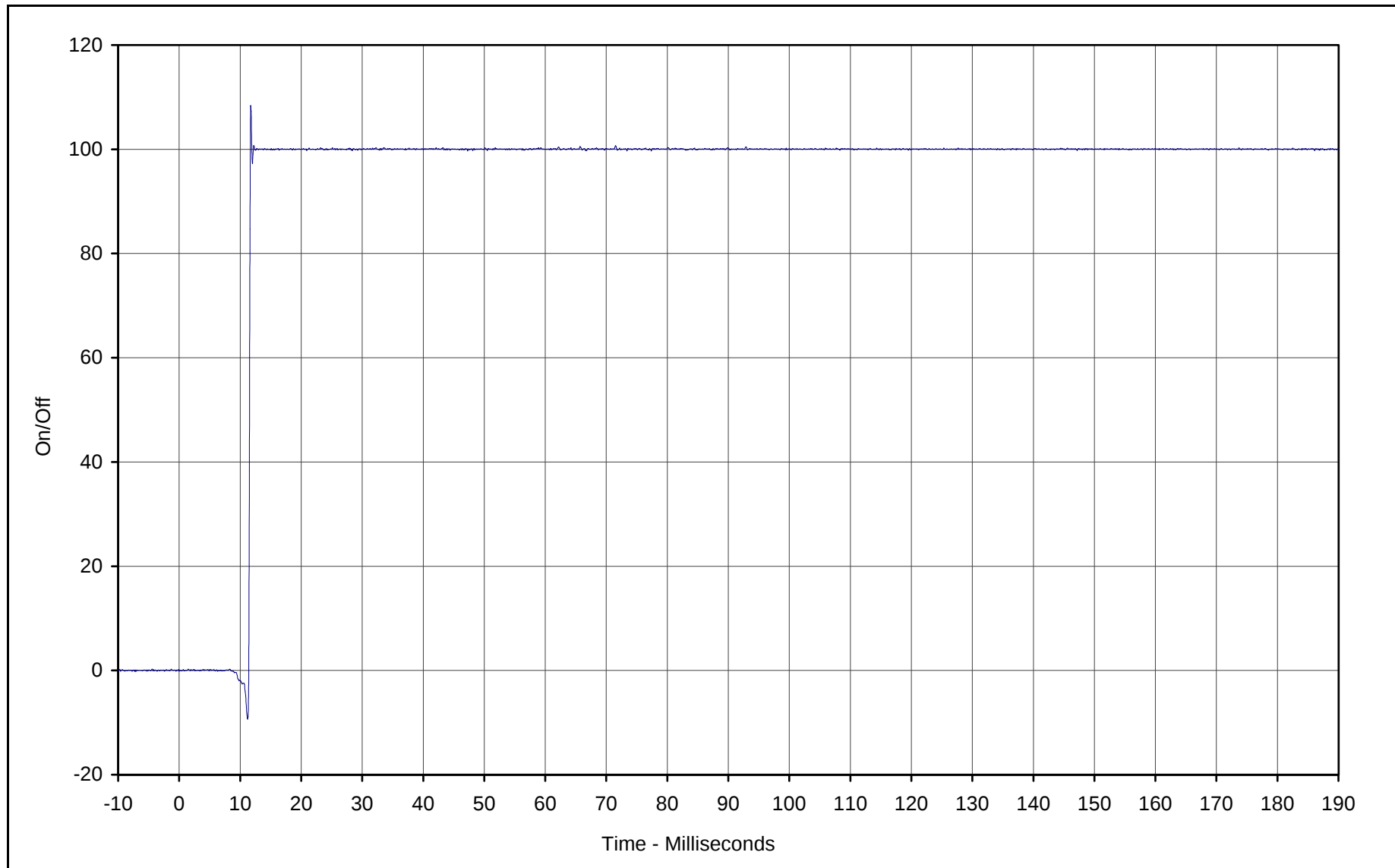




Curve Description: Driver Pelvis Redundant Y Velocity
Maximum Value: 35.9 at 52.0 Milliseconds
Minimum Value: 0.0 at 0.0 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-011

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

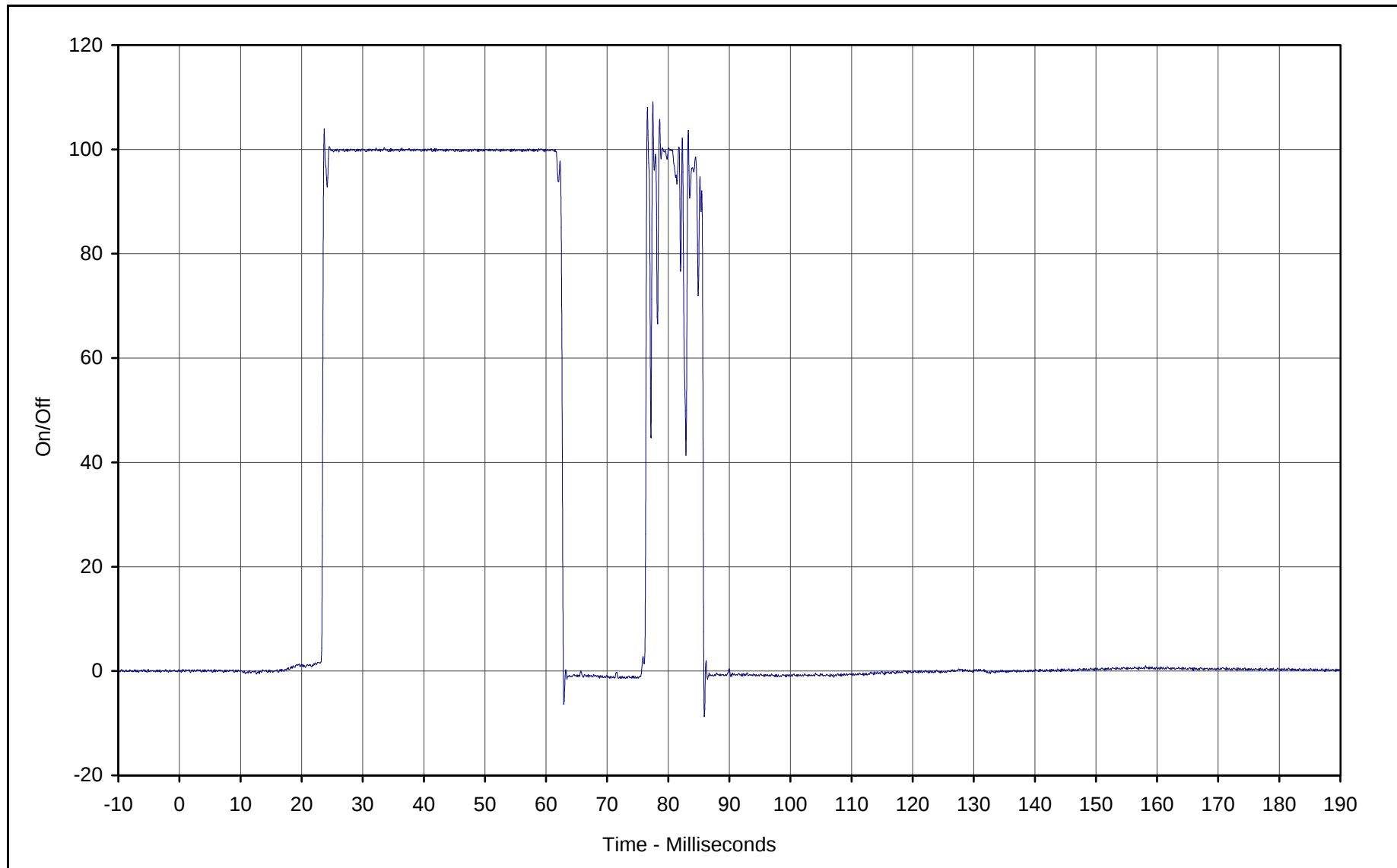




Curve Description: Driver Thorax Contact
Maximum Value: 108.3 at 11.7 Milliseconds
Crossing Point: 50% at 11.6 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-012

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

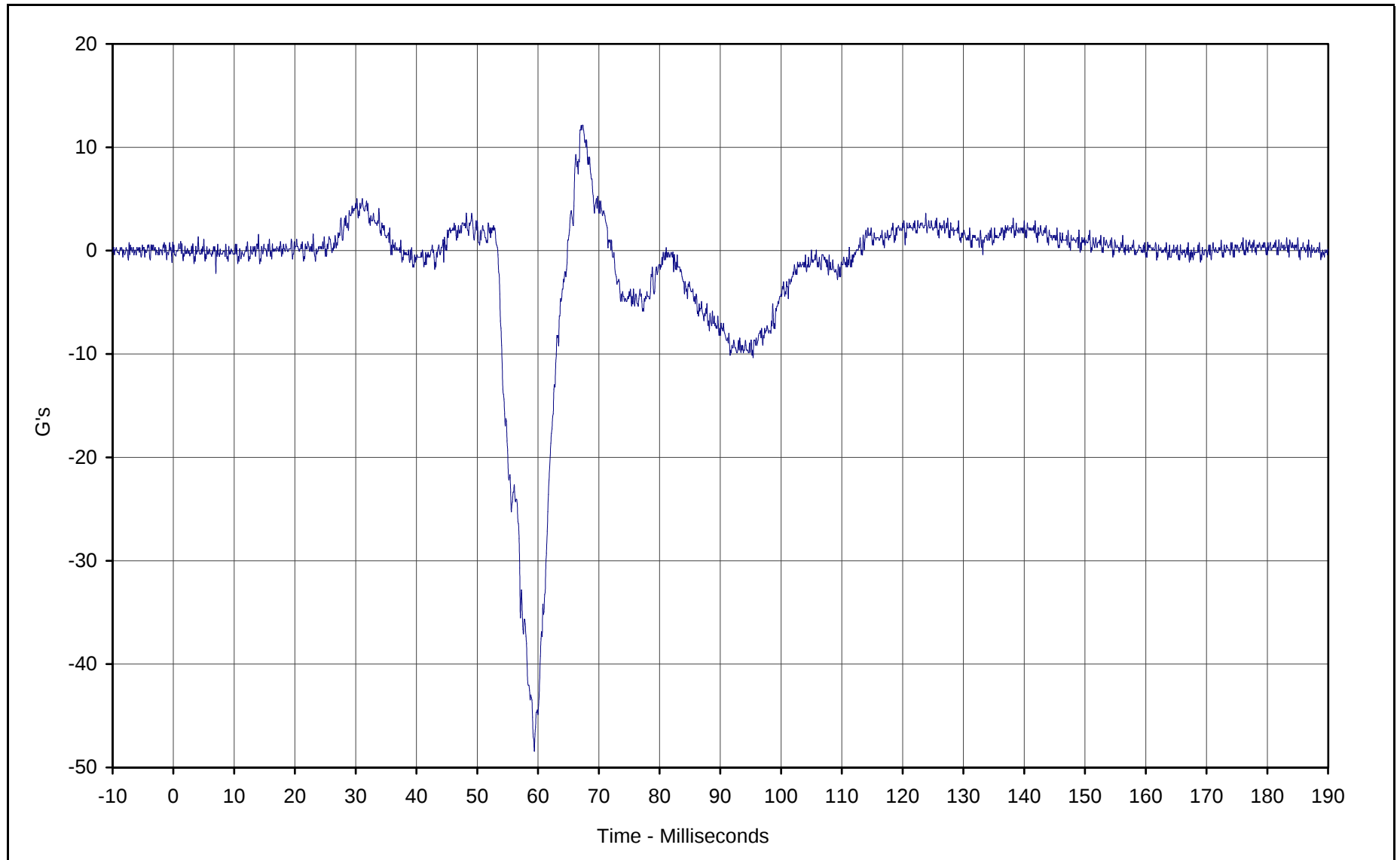




Curve Description: Driver Pelvis Contact
Maximum Value: 109.1 at 77.5 Milliseconds
Crossing Point: 50% at 23.5 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-013

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

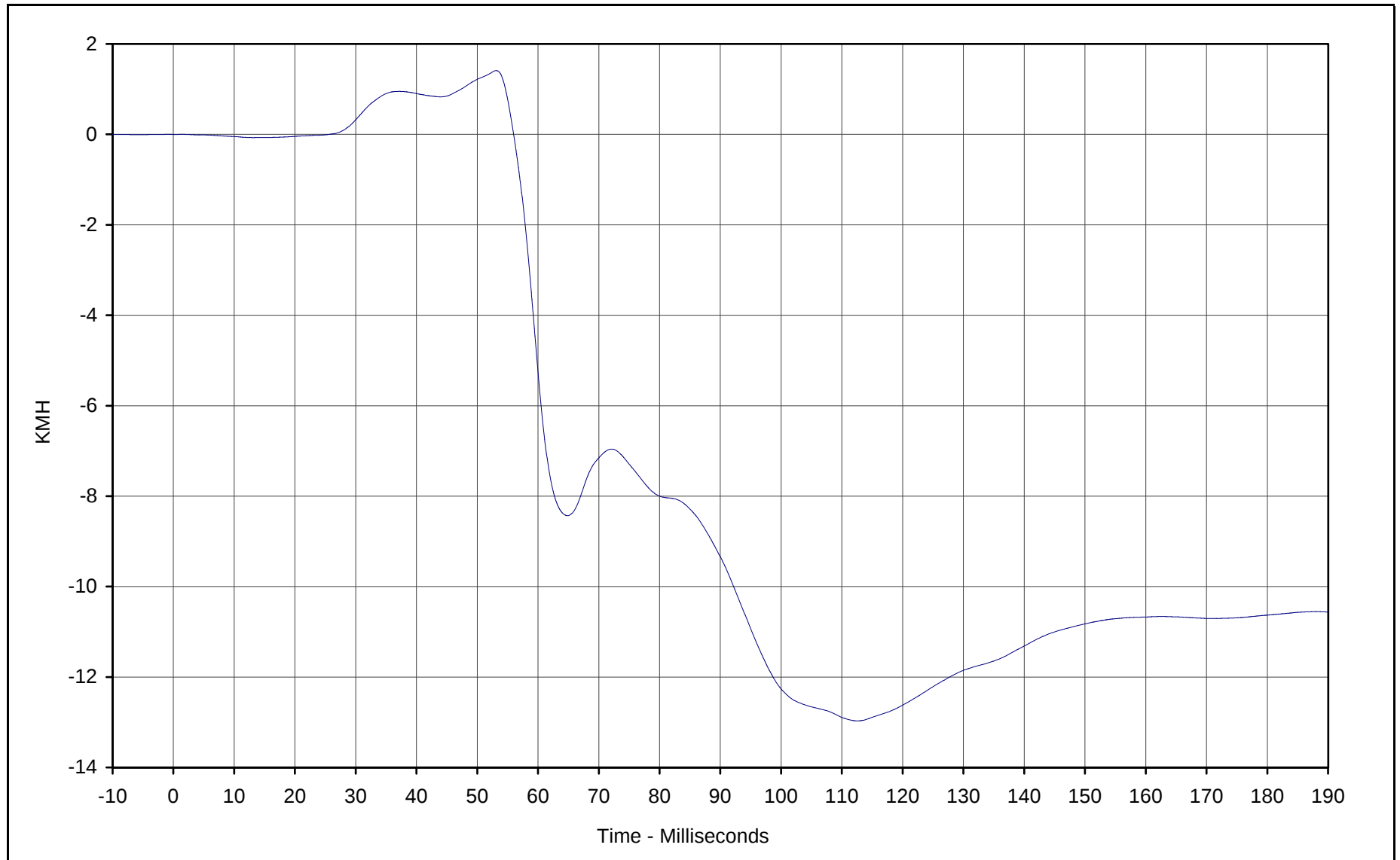




Curve Description: Pass. Head CG X
Maximum Value: 12.1 at 67.1 Milliseconds
Minimum Value: -48.4 at 59.4 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-014

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

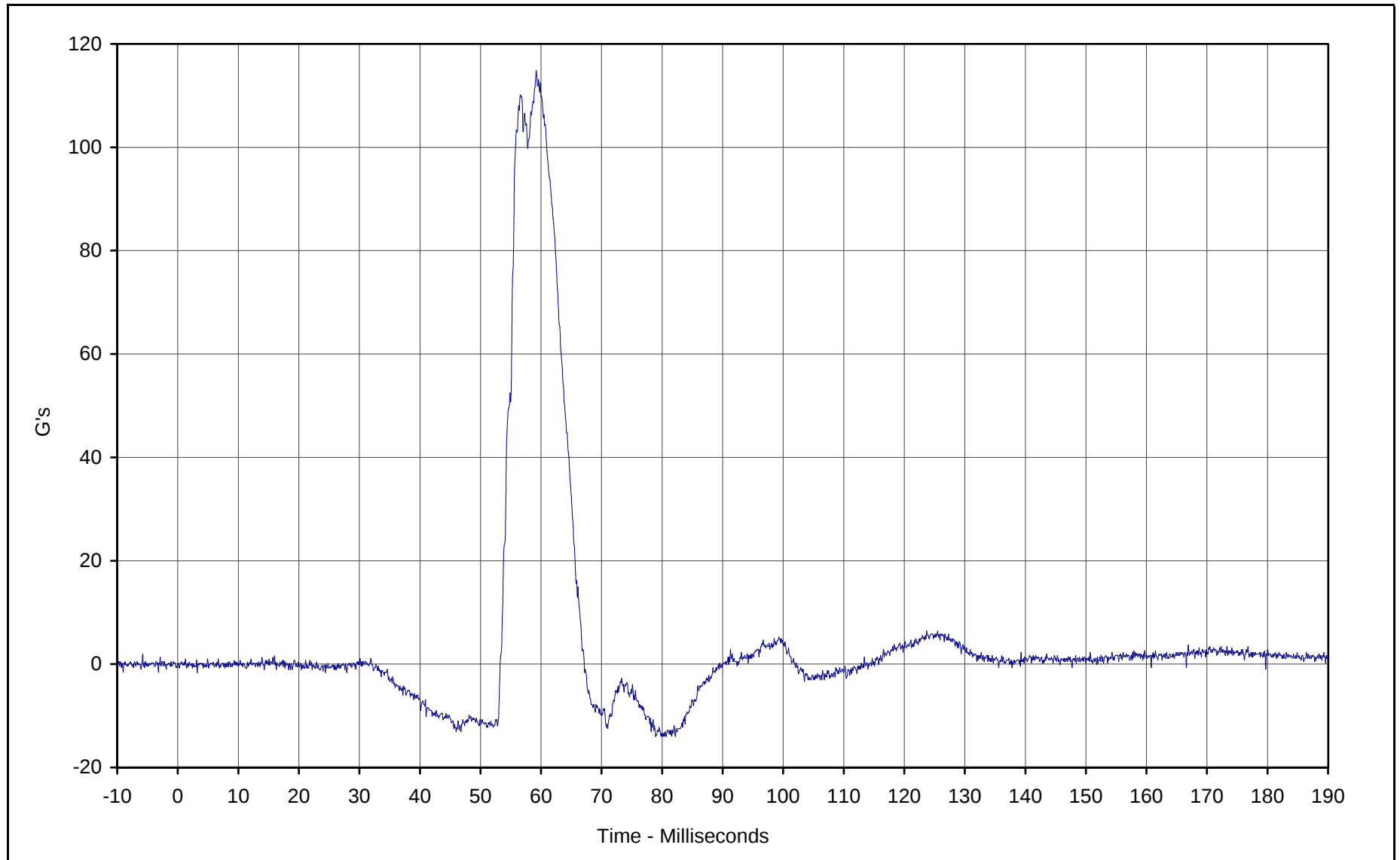




Curve Description: Pass. Head CG X Velocity
Maximum Value: 1.4 at 53.1 Milliseconds
Minimum Value: -13.0 at 112.6 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-014

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

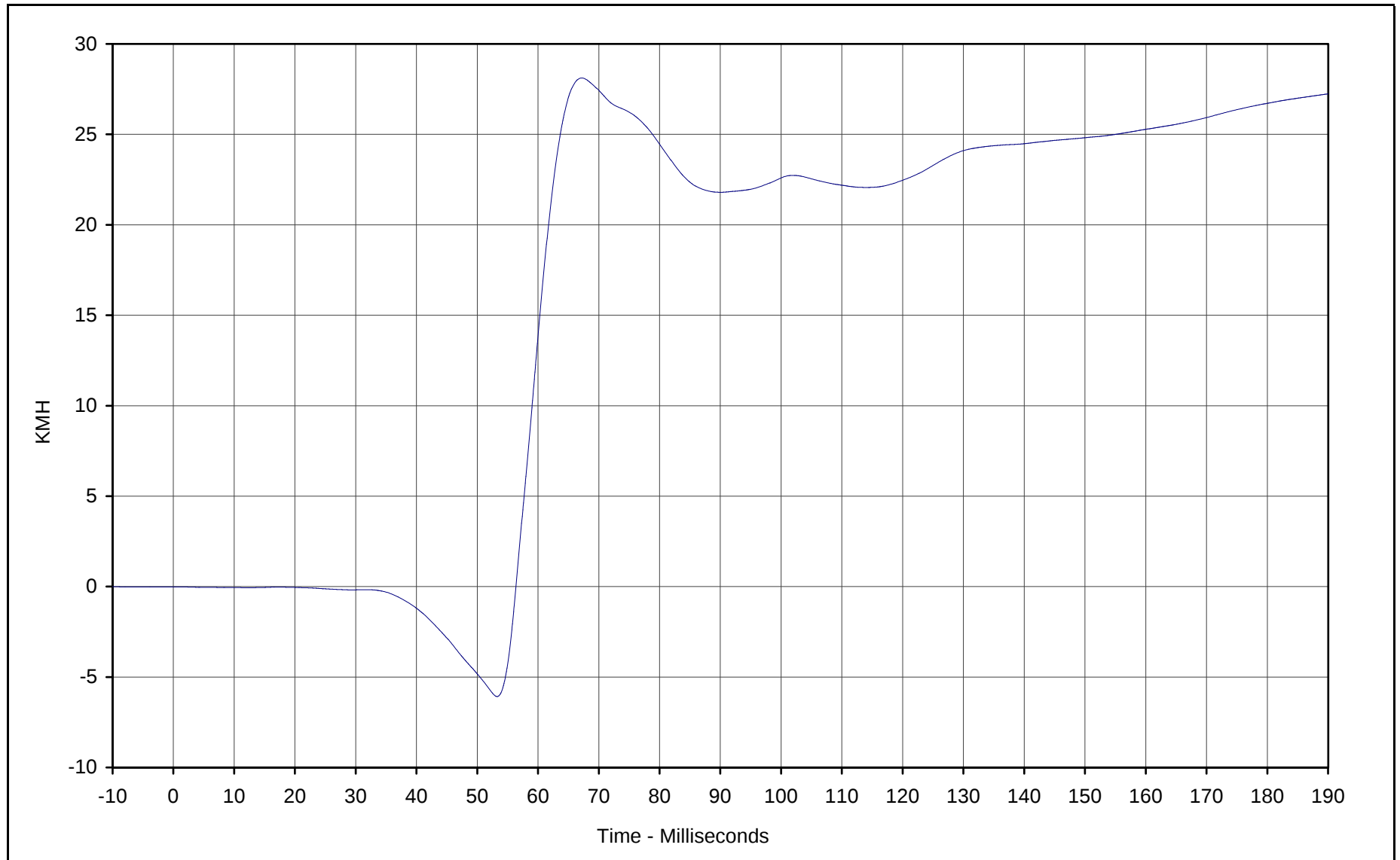




Curve Description: Pass. Head CG Y
Maximum Value: 114.9 at 59.2 Milliseconds
Minimum Value: -14.0 at 78.9 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-015

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

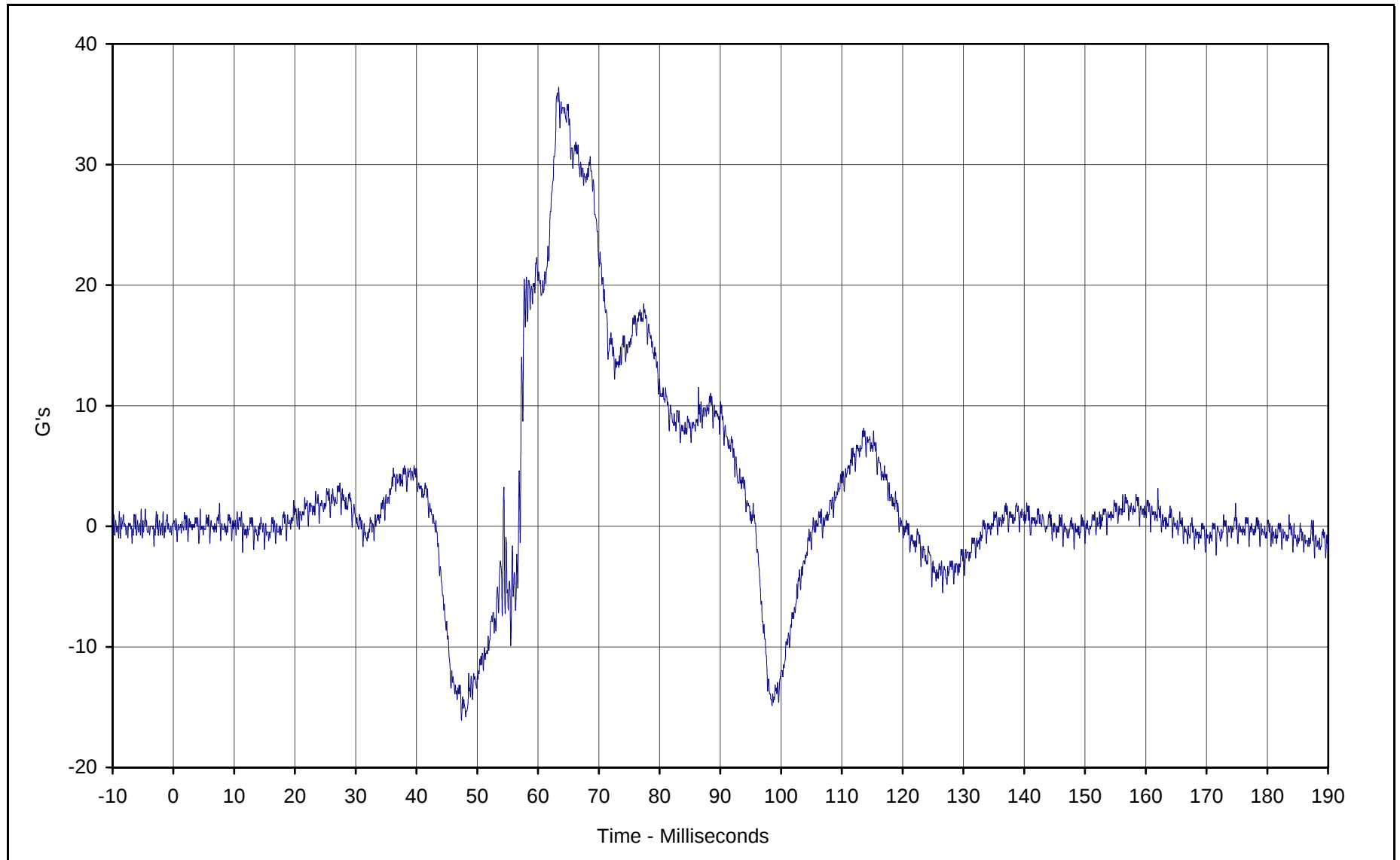




Curve Description: Pass. Head CG Y Velocity
Maximum Value: 28.1 at 67.2 Milliseconds
Minimum Value: -6.1 at 53.3 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-015

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

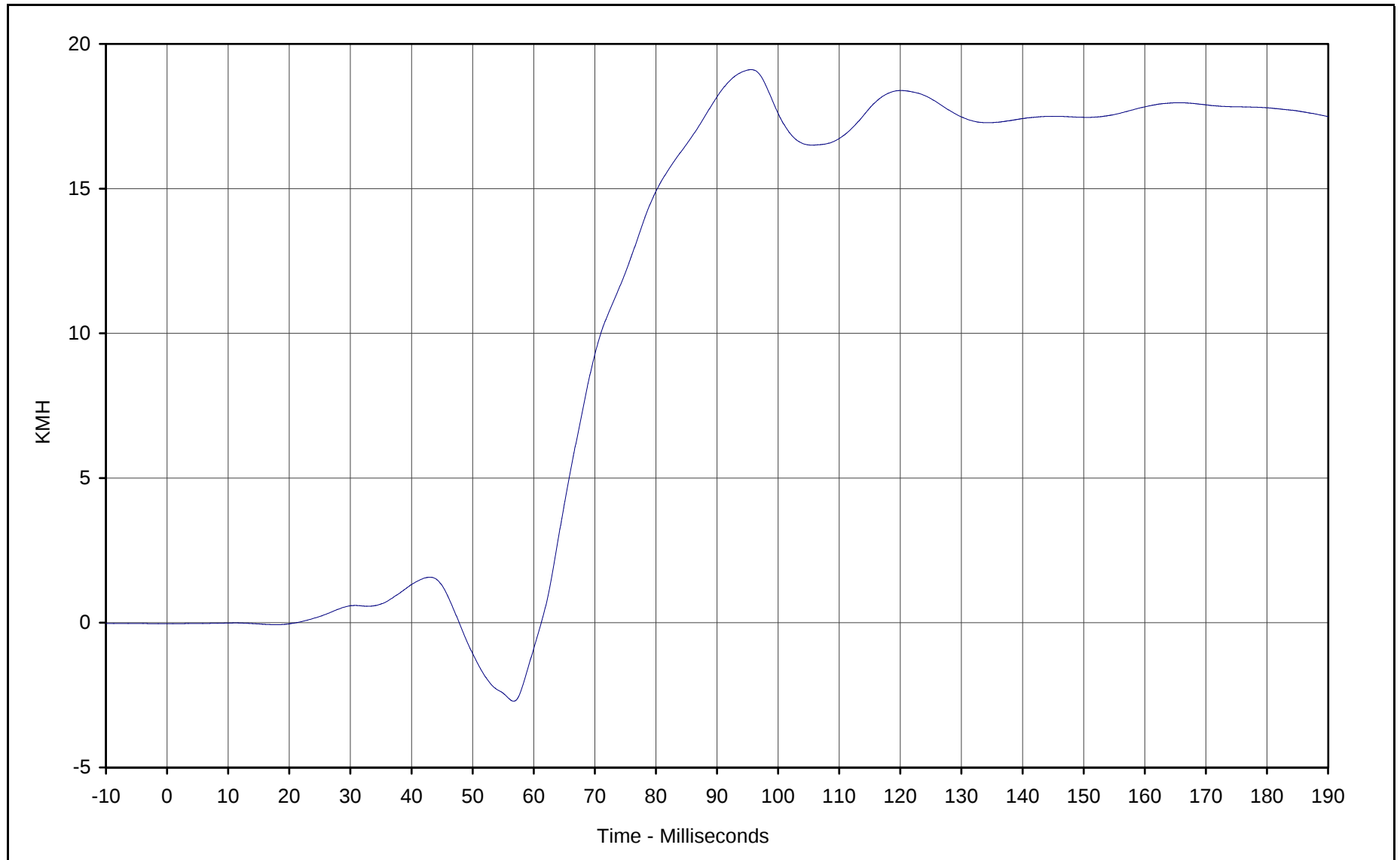




Curve Description: Pass. Head CG Z
Maximum Value: 36.4 at 63.4 Milliseconds
Minimum Value: -16.0 at 47.4 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-016

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

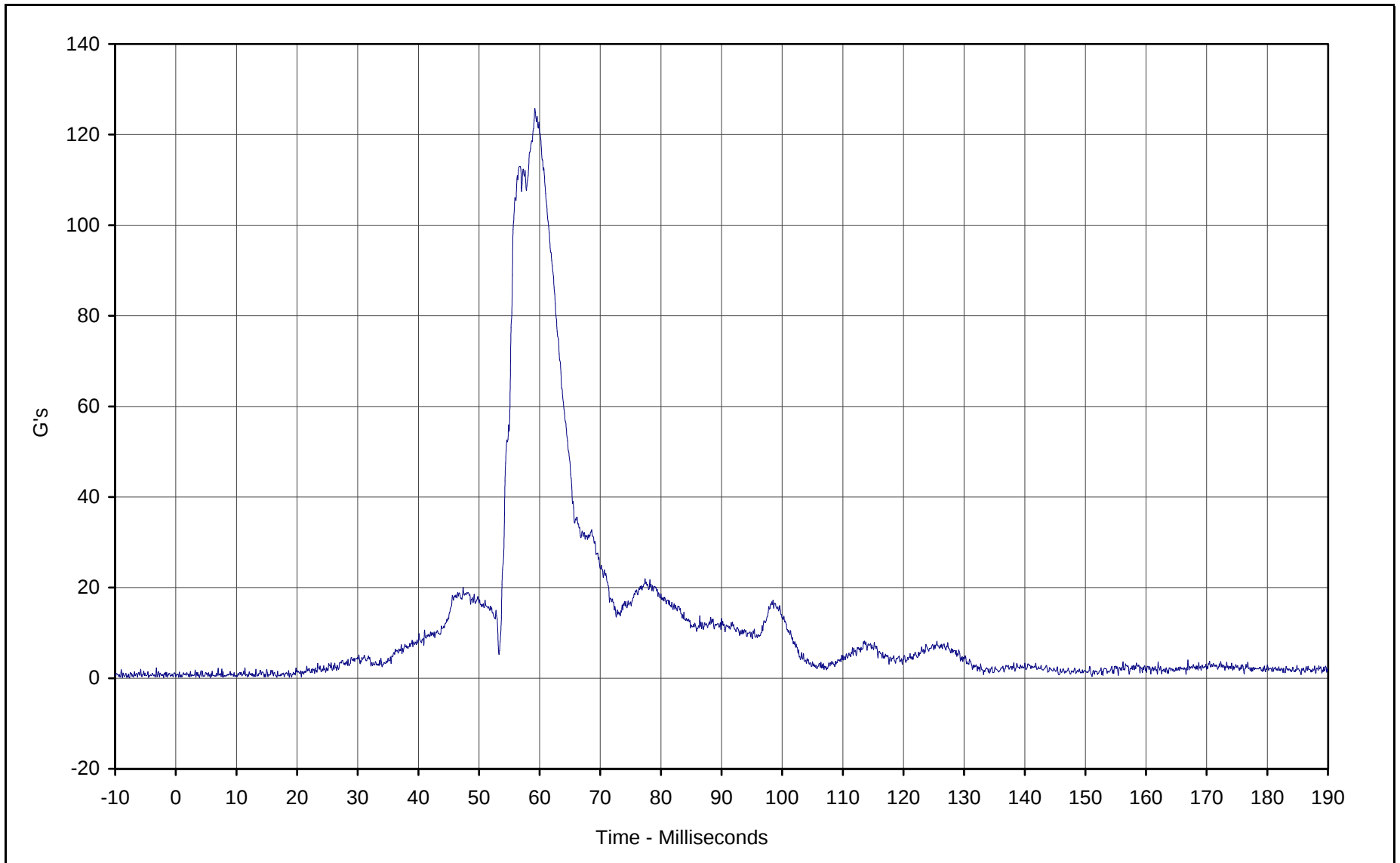




Curve Description: Pass. Head CG Z Velocity
Maximum Value: 19.1 at 95.6 Milliseconds
Minimum Value: -2.7 at 56.7 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-016

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

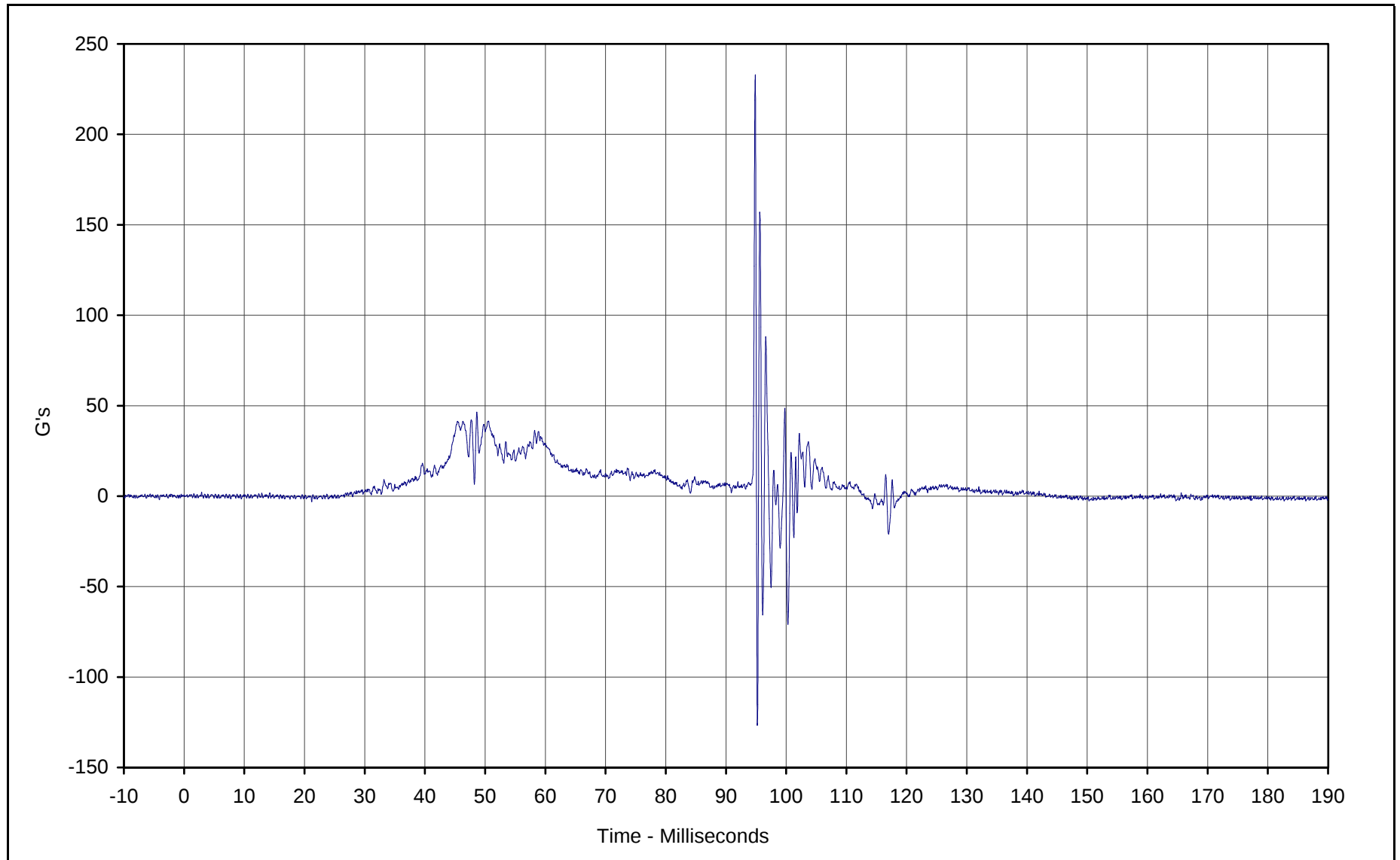




Curve Description: Pass. Head CG Resultant
Maximum Value: 125.7 at 59.2 Milliseconds
Minimum Value: 0.1 at 3.9 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: RES-014

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

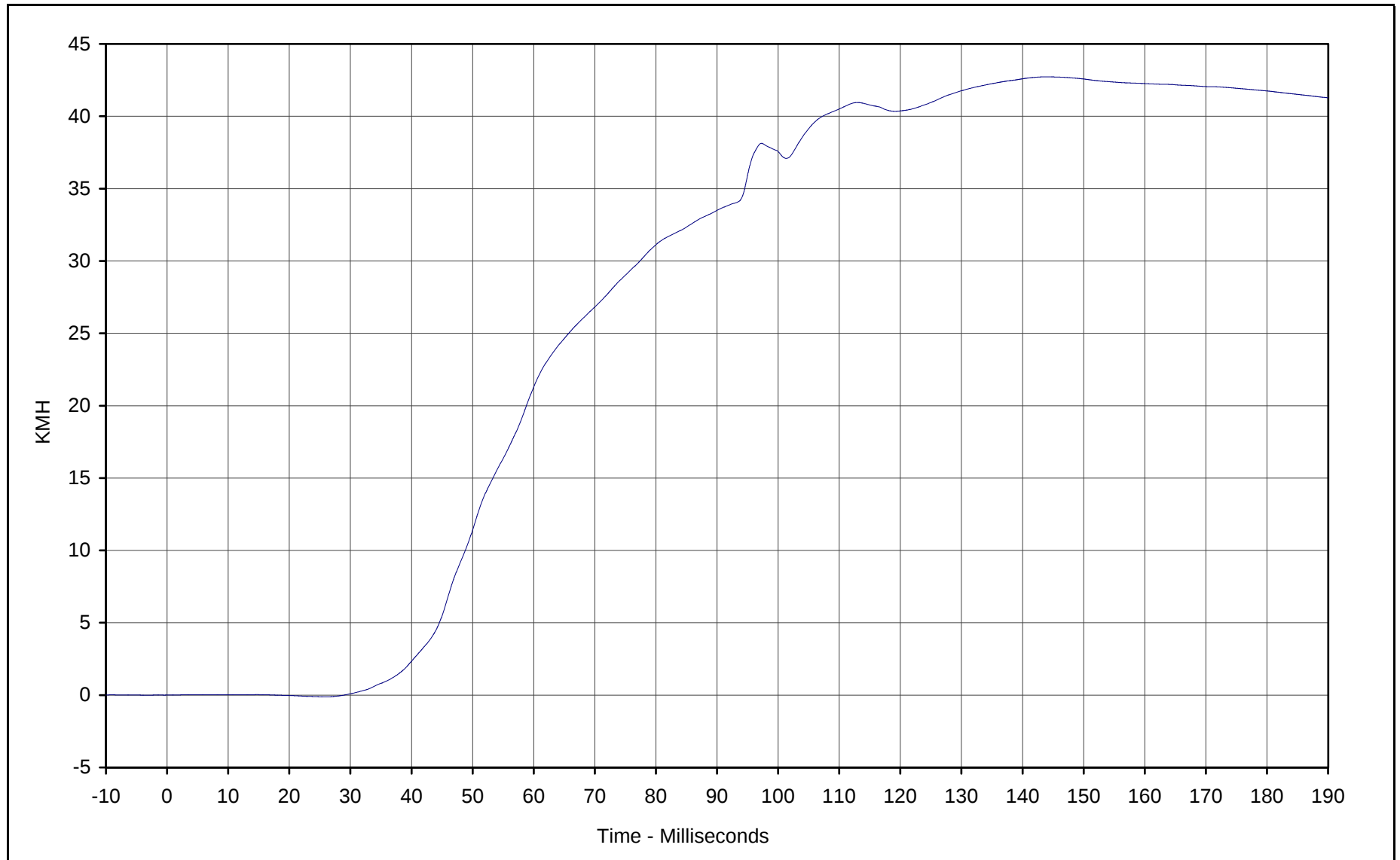




Curve Description: Pass. Upper Rib Primary Y
Maximum Value: 231.6 at 94.9 Milliseconds
Minimum Value: -125.7 at 95.2 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-017

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Pass. Upper Rib Primary Y Velocity

Maximum Value: 42.7 at 144.0 Milliseconds

Minimum Value: -0.1 at 26.0 Milliseconds

SAE Filter Class: 180

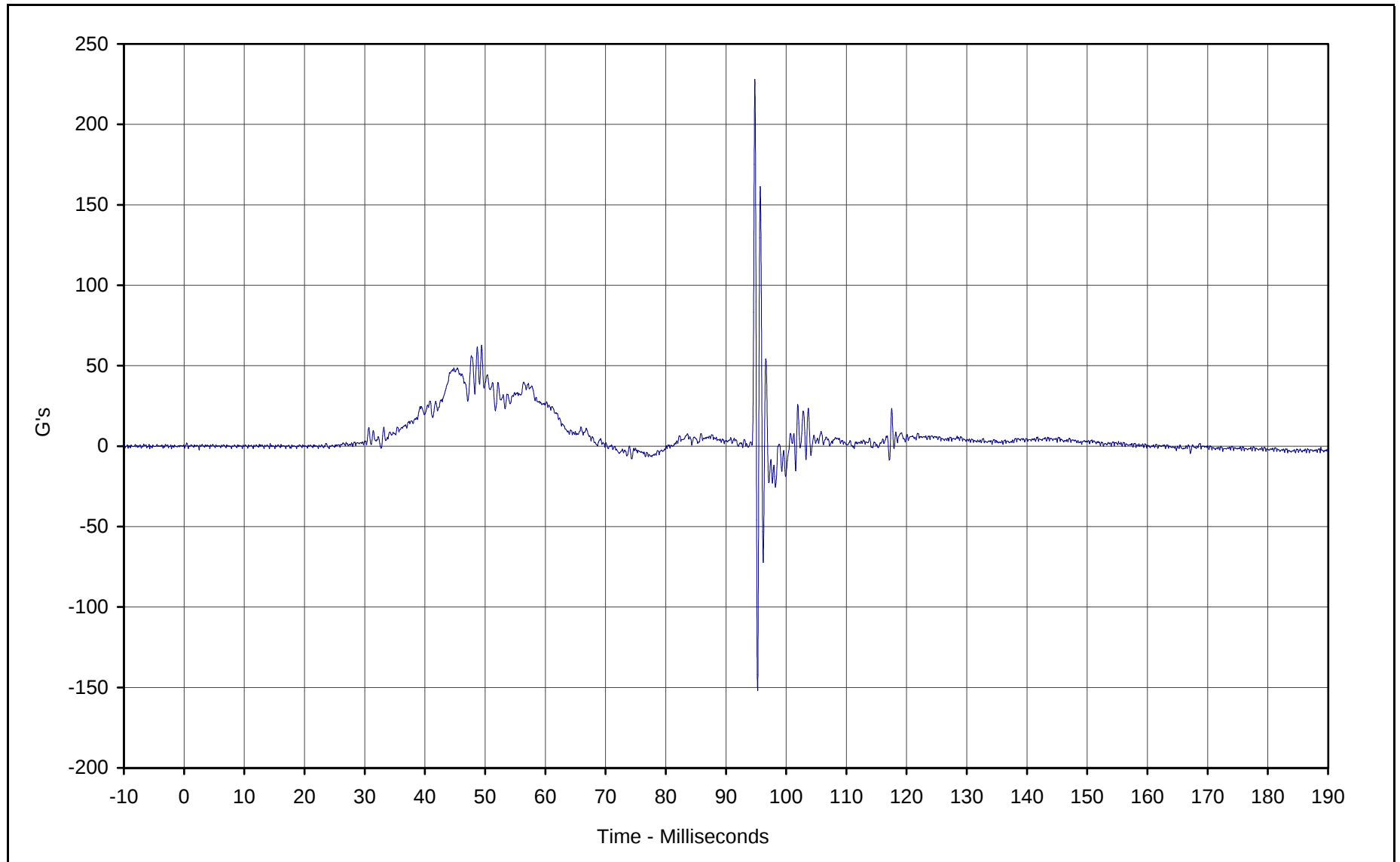
Date of Test: 1/30/02

Curve Number: IN1-017

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

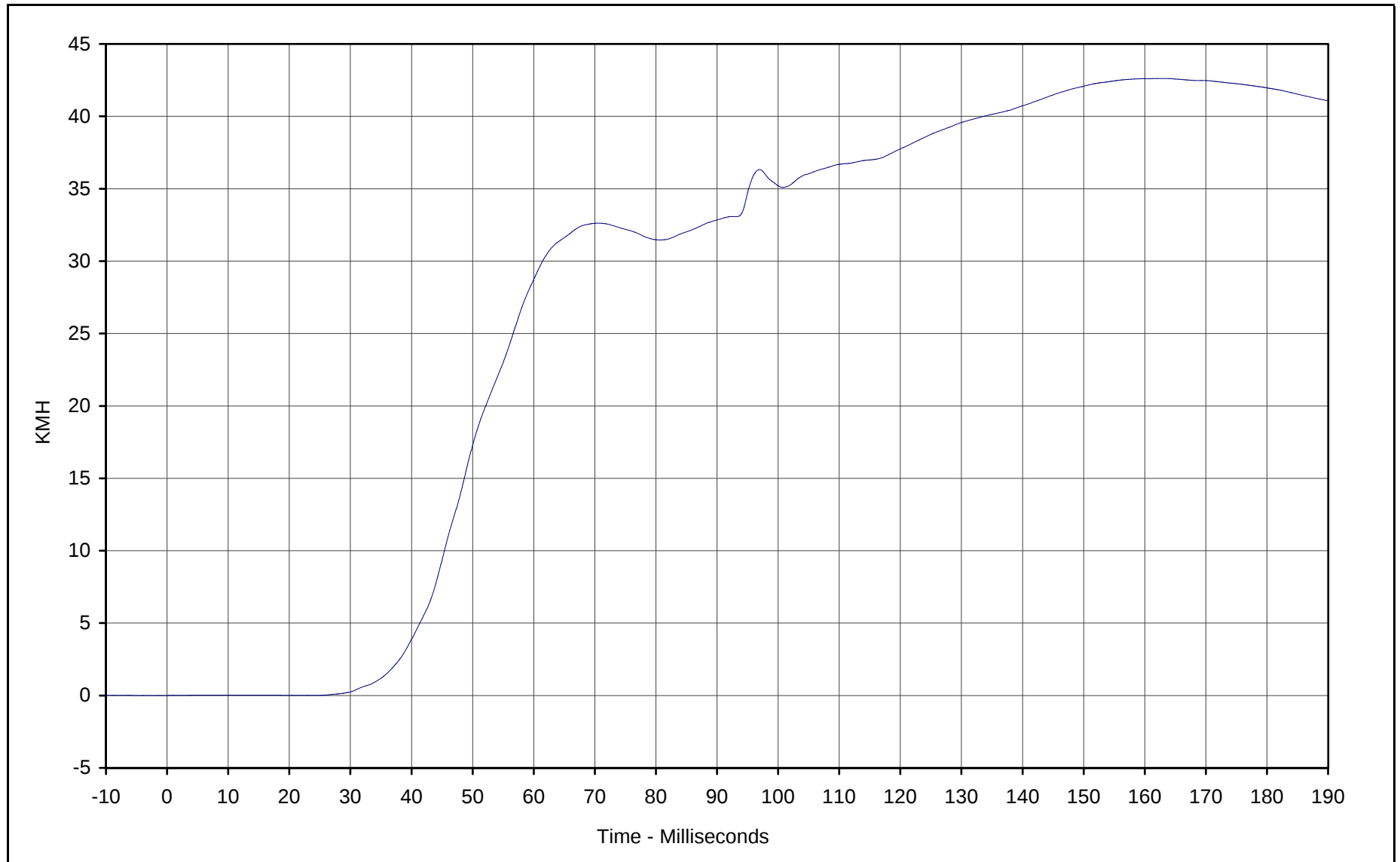




Curve Description: Pass. Lower Rib Primary Y
Maximum Value: 227.8 at 94.8 Milliseconds
Minimum Value: -151.4 at 95.3 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-018

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

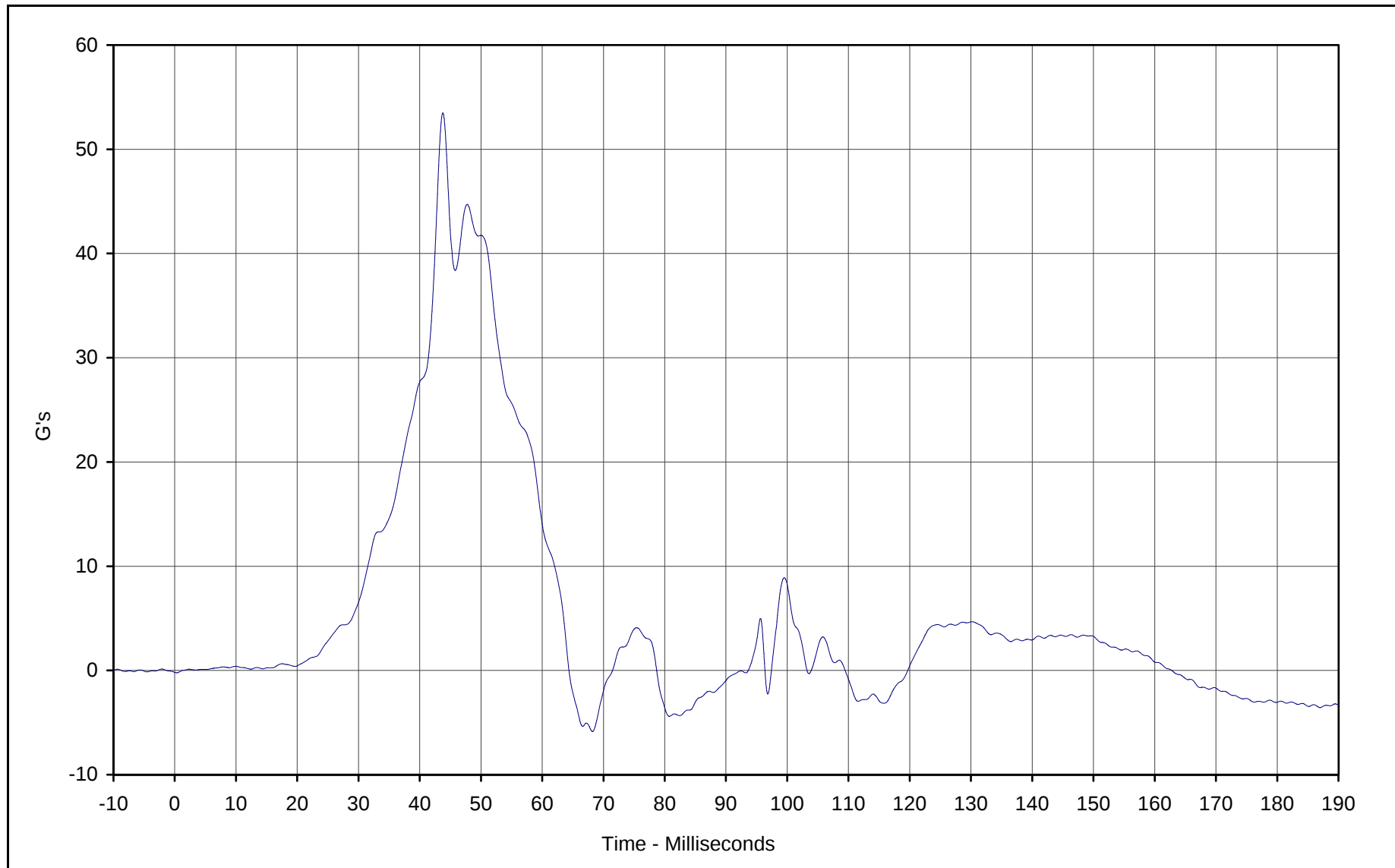




Curve Description: Pass. Lower Rib Primary Y Velocity
Maximum Value: 42.6 at 163.1 Milliseconds
Minimum Value: 0.0 at 0.0 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-018

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

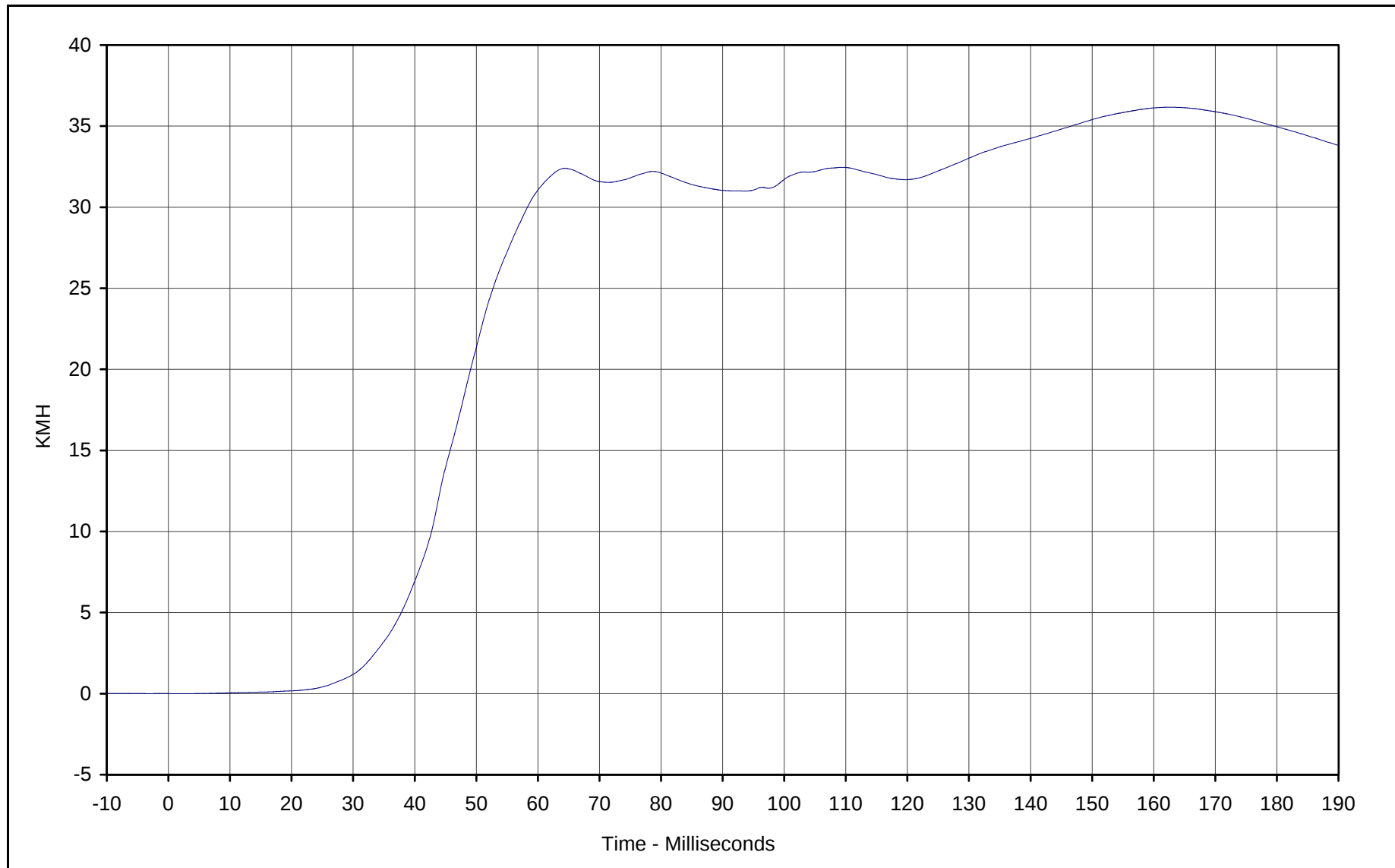




Curve Description: Pass. Lower Spine Primary Y
Maximum Value: 53.5 at 43.8 Milliseconds
Minimum Value: -5.9 at 68.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: FIL-019

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Pass. Lower Spine Primary Y Velocity

Maximum Value: 36.2 at 162.8 Milliseconds

Minimum Value: 0.0 at 1.3 Milliseconds

SAE Filter Class: 180

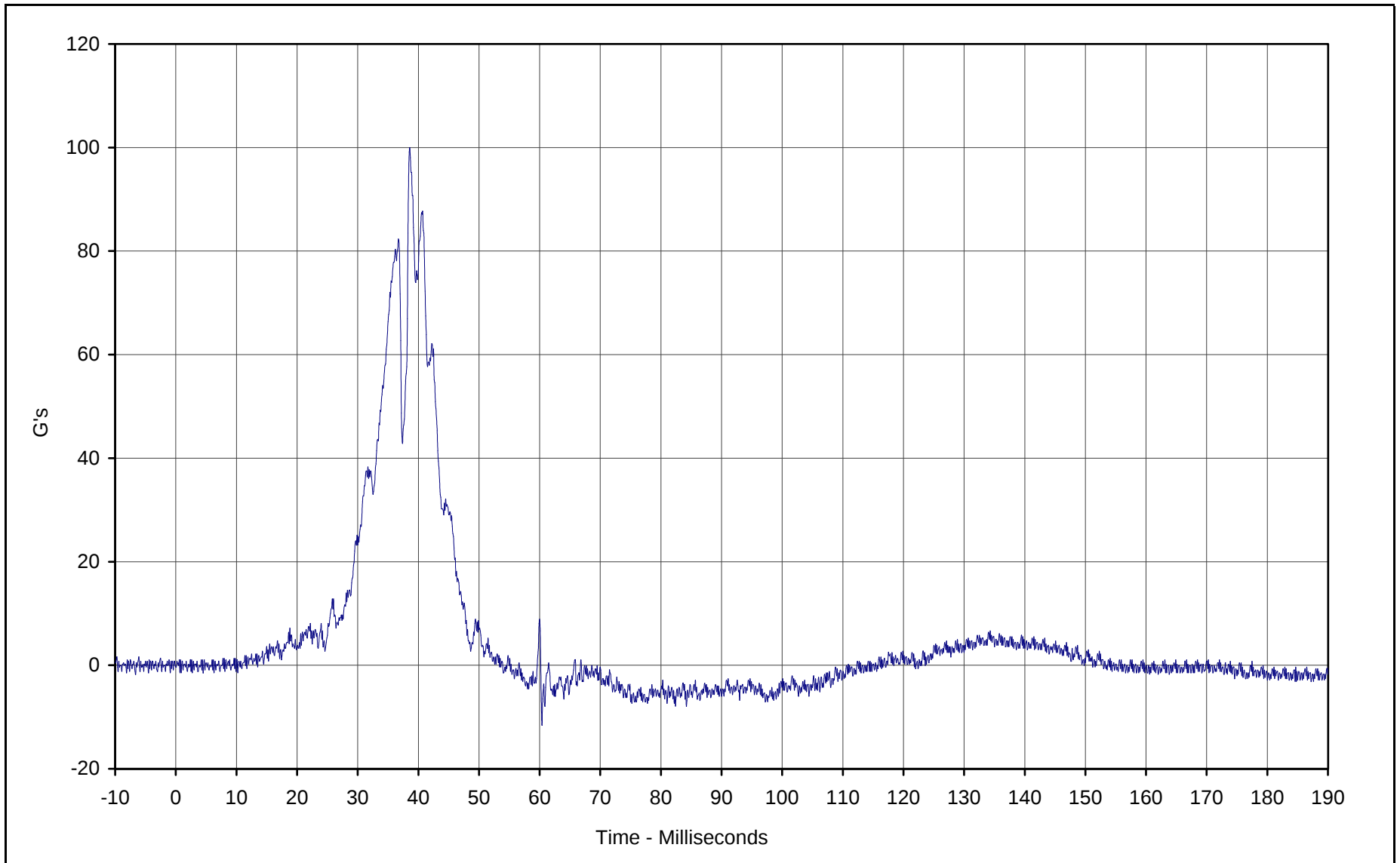
Date of Test: 1/30/02

Curve Number: IN1-019

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

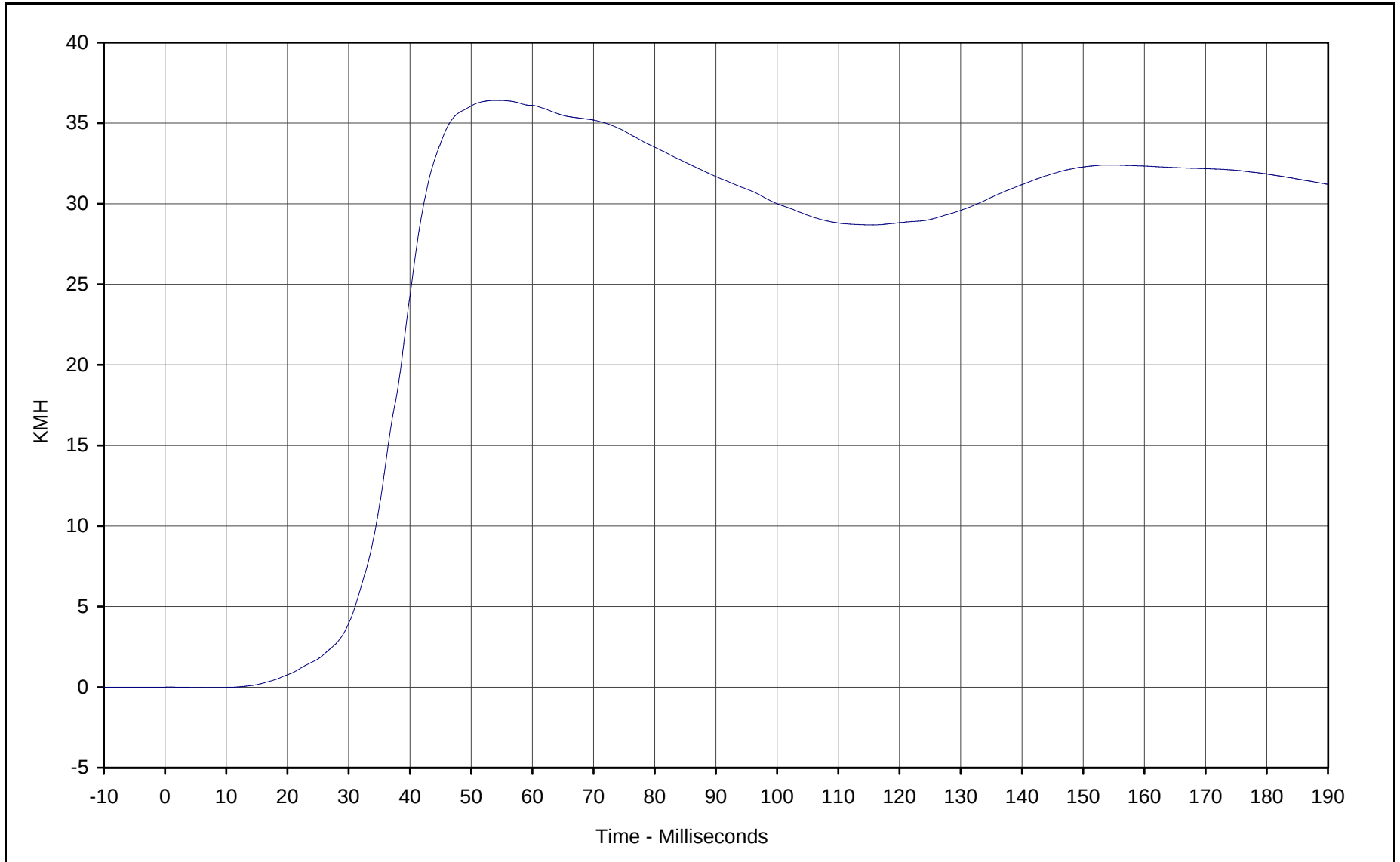




Curve Description: Pass. Pelvis Primary Y
Maximum Value: 100.0 at 38.6 Milliseconds
Minimum Value: -11.6 at 60.4 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-020

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

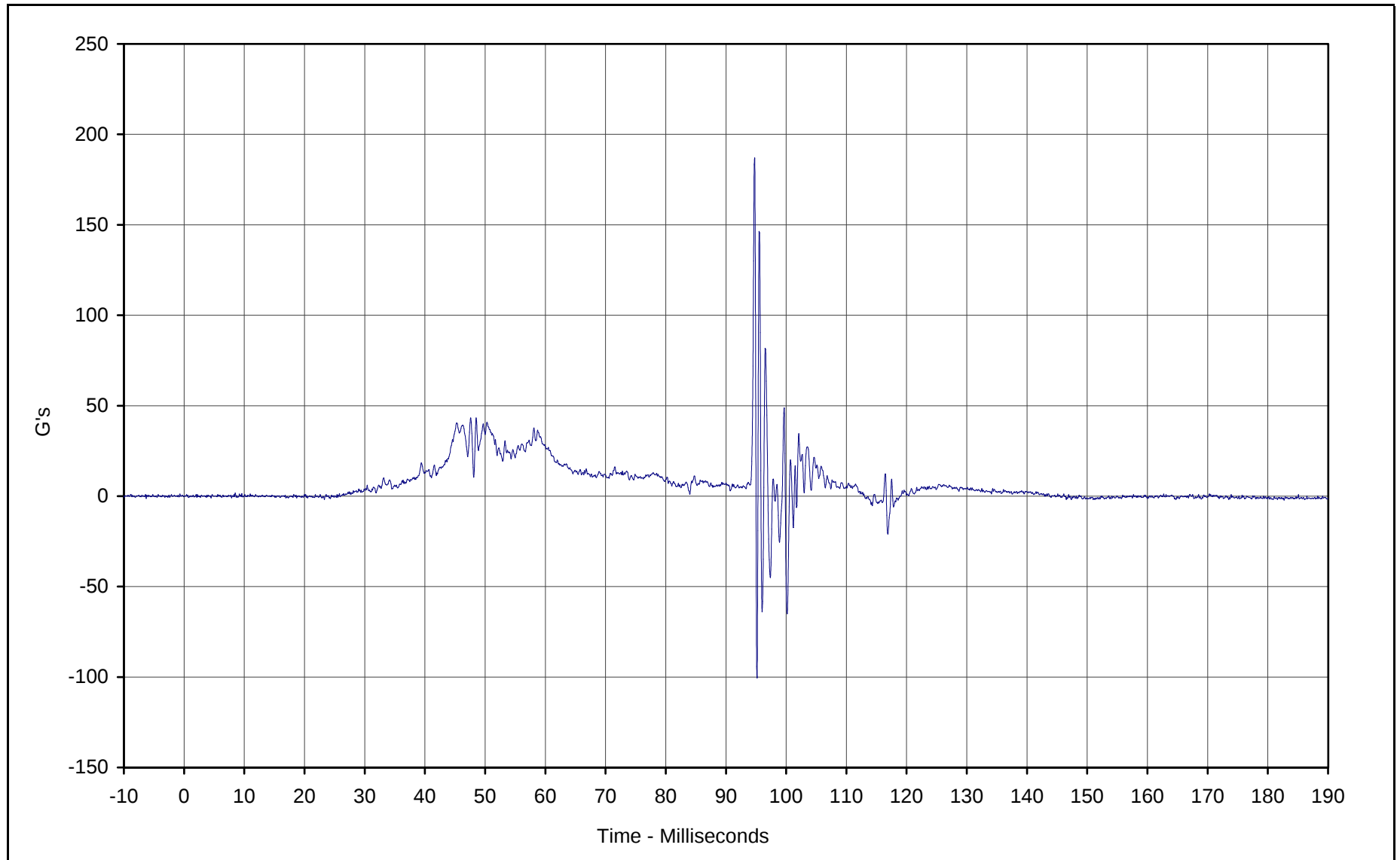




Curve Description: Pass. Pelvis Primary Y Velocity
Maximum Value: 36.4 at 54.0 Milliseconds
Minimum Value: 0.0 at 7.5 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-020

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

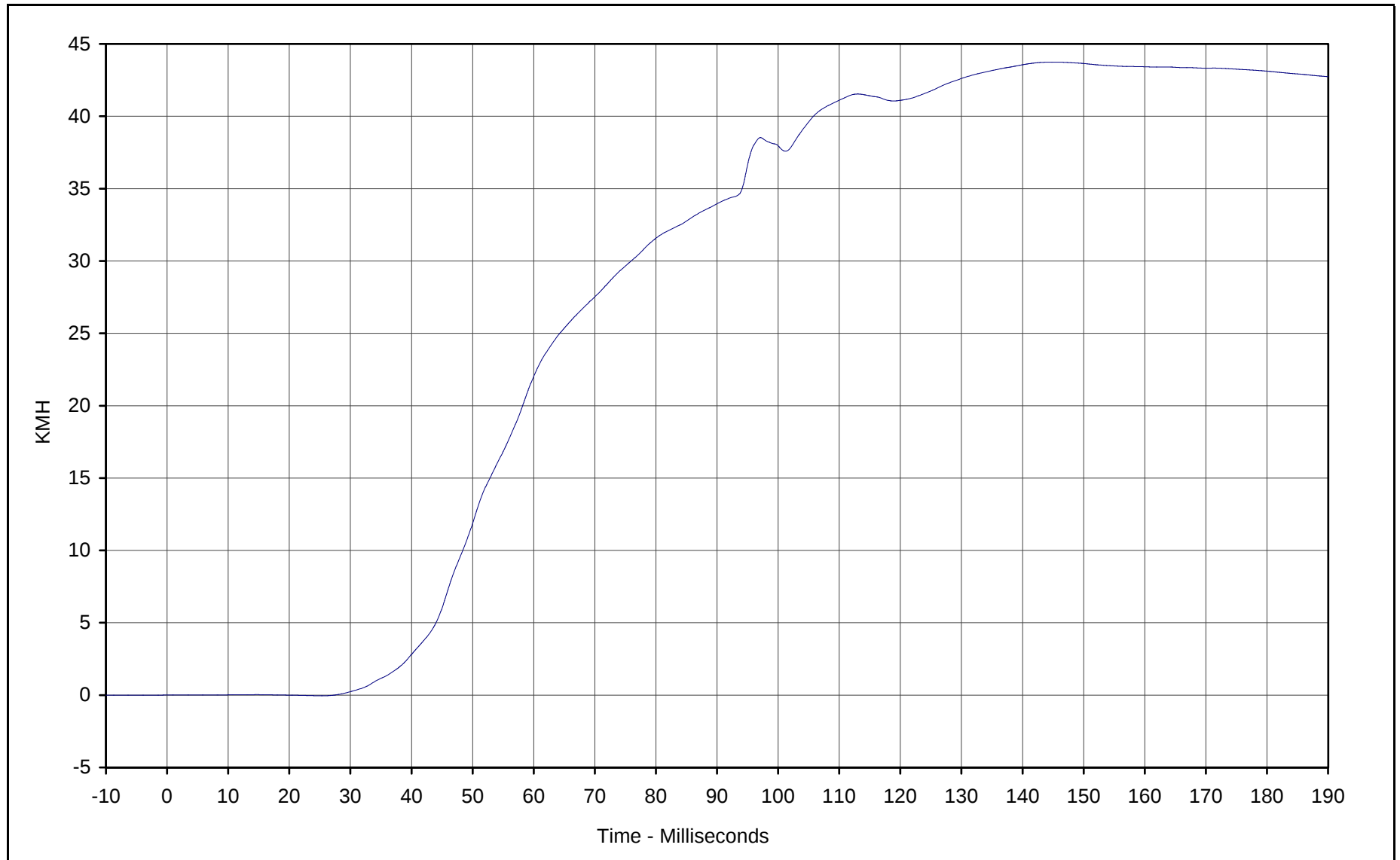




Curve Description: Pass. Upper Rib Redundant Y
Maximum Value: 186.6 at 94.8 Milliseconds
Minimum Value: -100.0 at 95.2 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-021

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Pass. Upper Rib Redundant Y Velocity

Maximum Value: 43.7 at 145.5 Milliseconds

Minimum Value: 0.0 at 25.3 Milliseconds

SAE Filter Class: 180

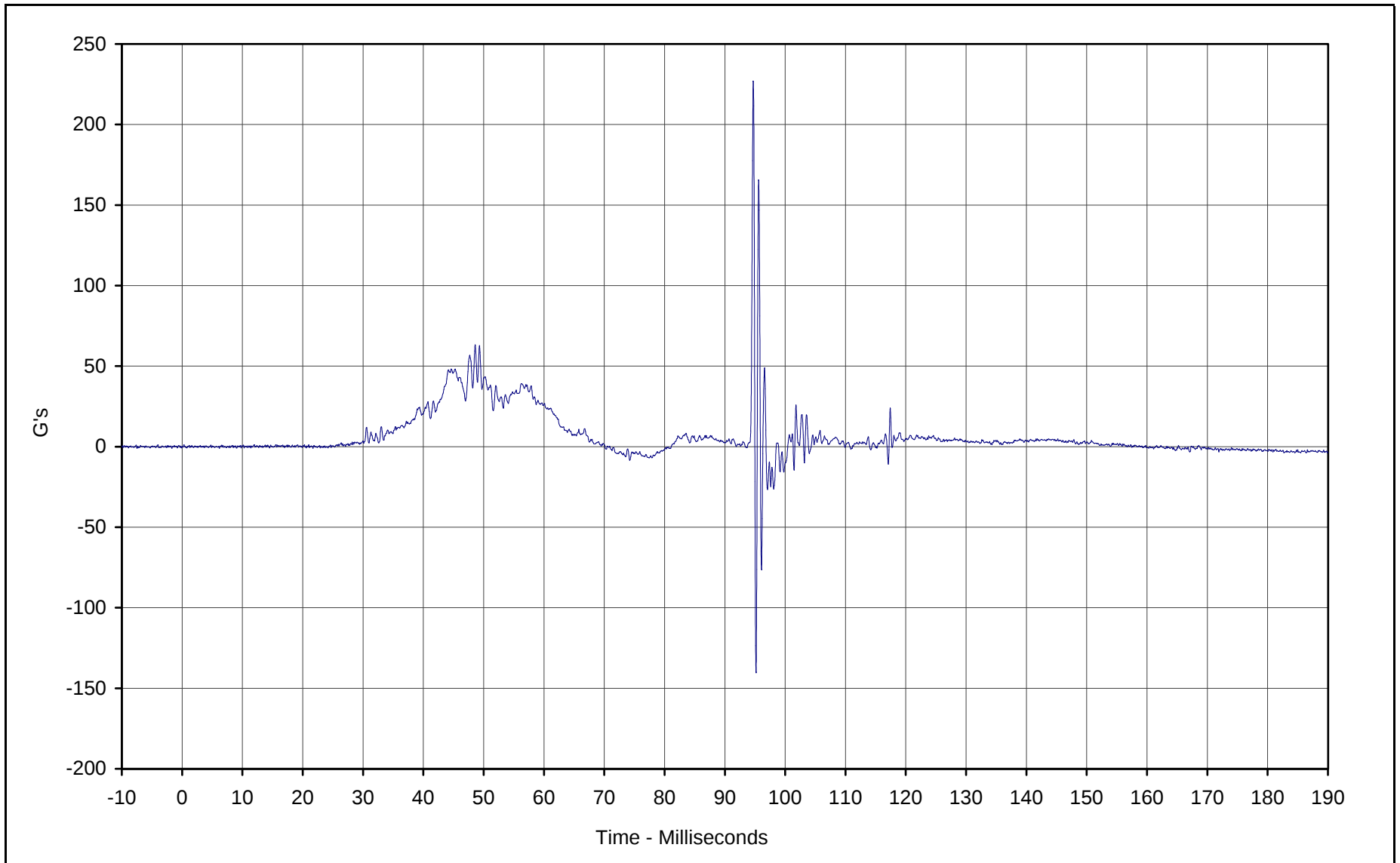
Date of Test: 1/30/02

Curve Number: IN1-021

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

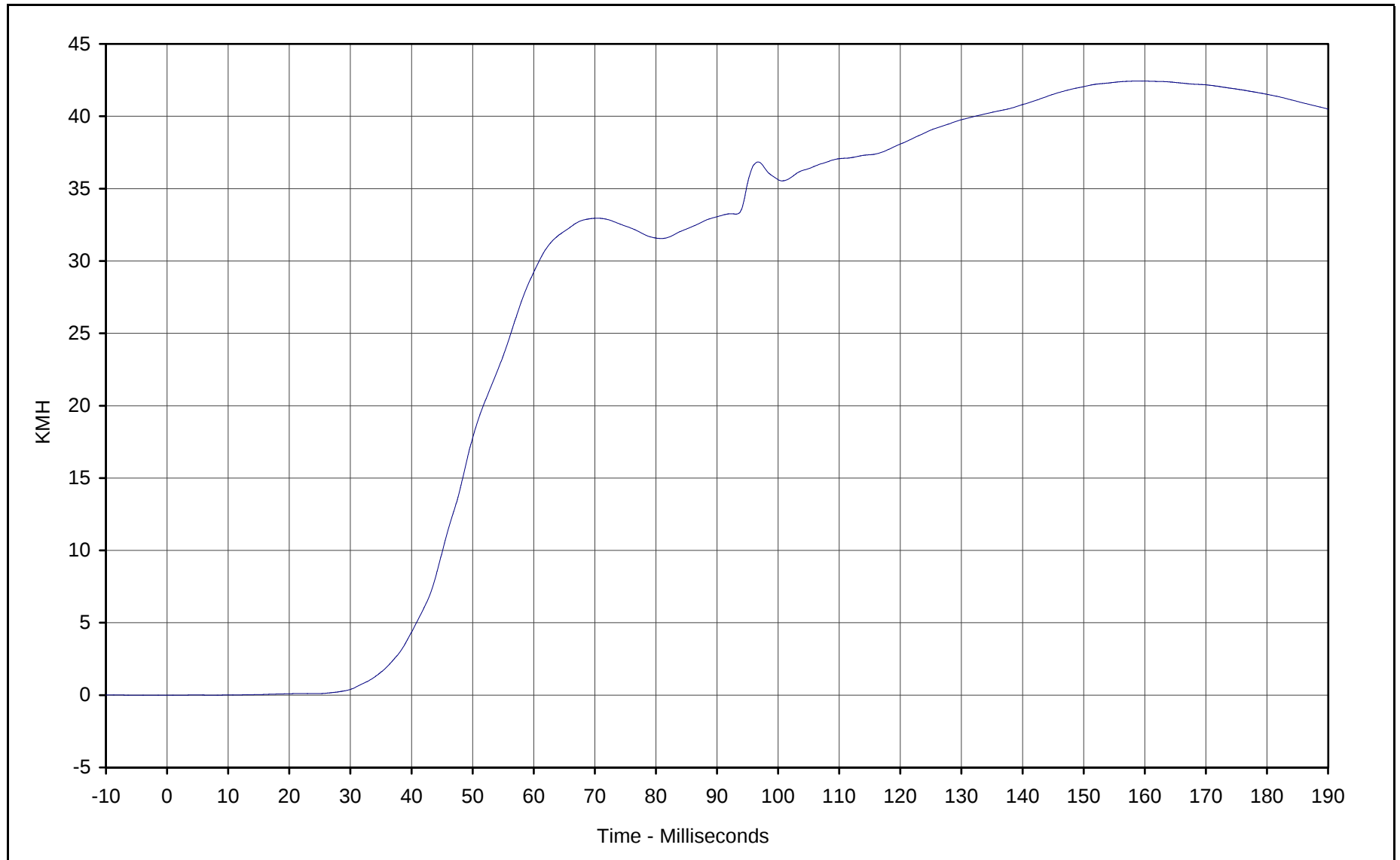




Curve Description: Pass. Lower Rib Redundant Y
Maximum Value: 226.8 at 94.7 Milliseconds
Minimum Value: -139.8 at 95.2 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-022

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Pass. Lower Rib Redundant Y Velocity

Maximum Value: 42.4 at 159.3 Milliseconds

Minimum Value: 0.0 at 0.0 Milliseconds

SAE Filter Class: 180

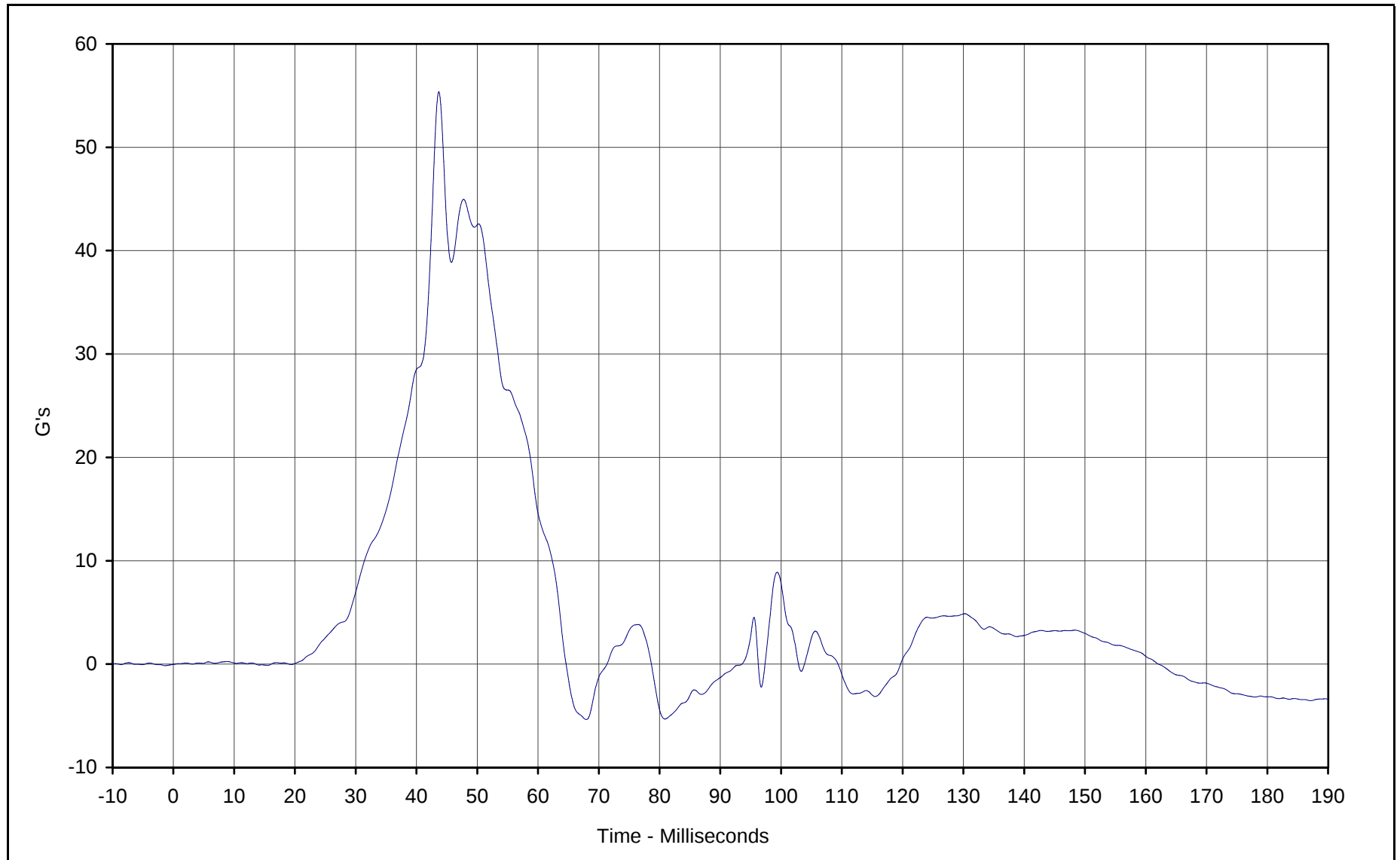
Date of Test: 1/30/02

Curve Number: IN1-022

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

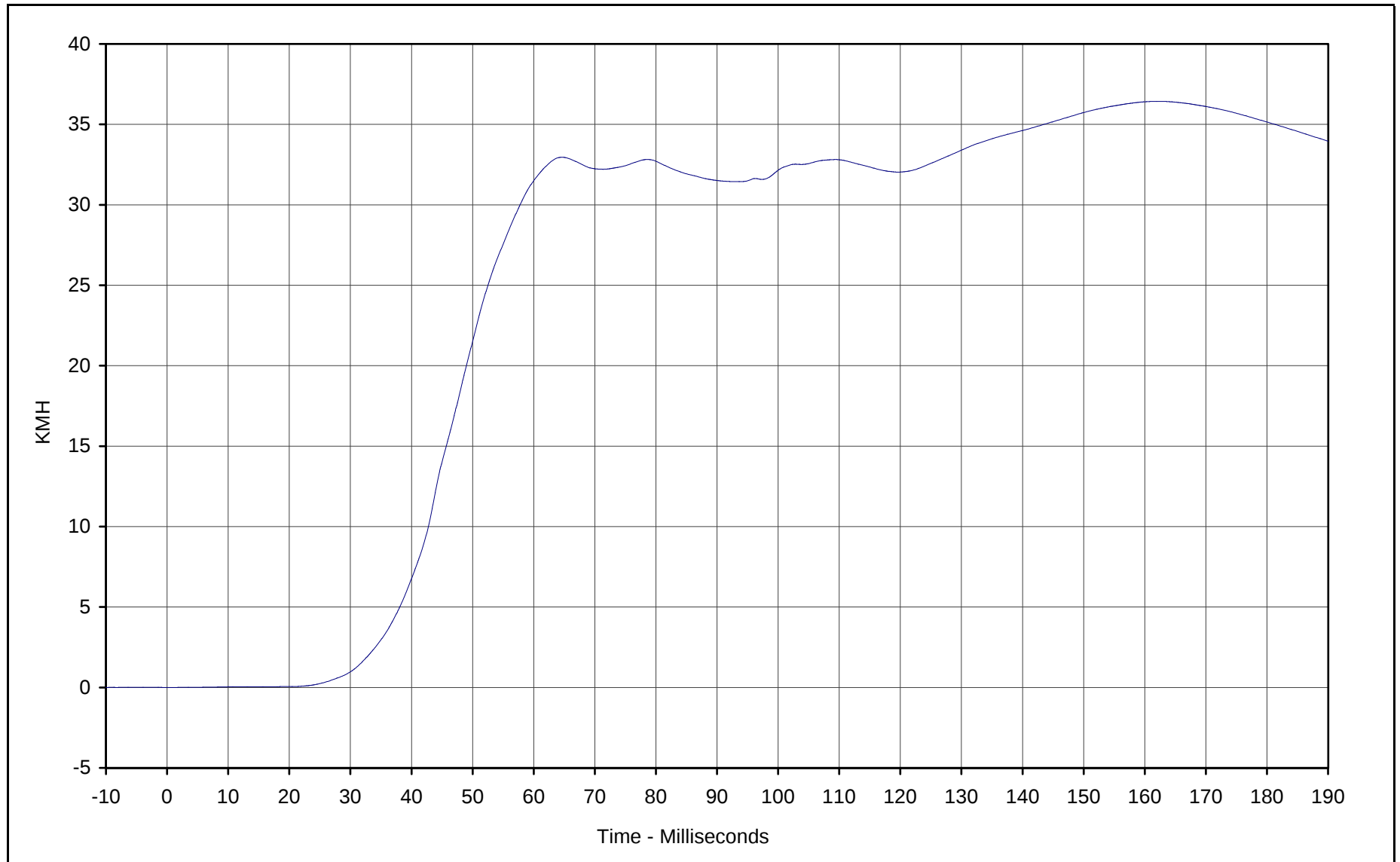




Curve Description: Pass. Lower Spine Redundant Y
Maximum Value: 55.4 at 43.7 Milliseconds
Minimum Value: -5.4 at 68.0 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: FIL-023

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Pass. Lower Spine Redundant Y Velocity

Maximum Value: 36.4 at 162.1 Milliseconds

Minimum Value: 0.0 at 0.3 Milliseconds

SAE Filter Class: 180

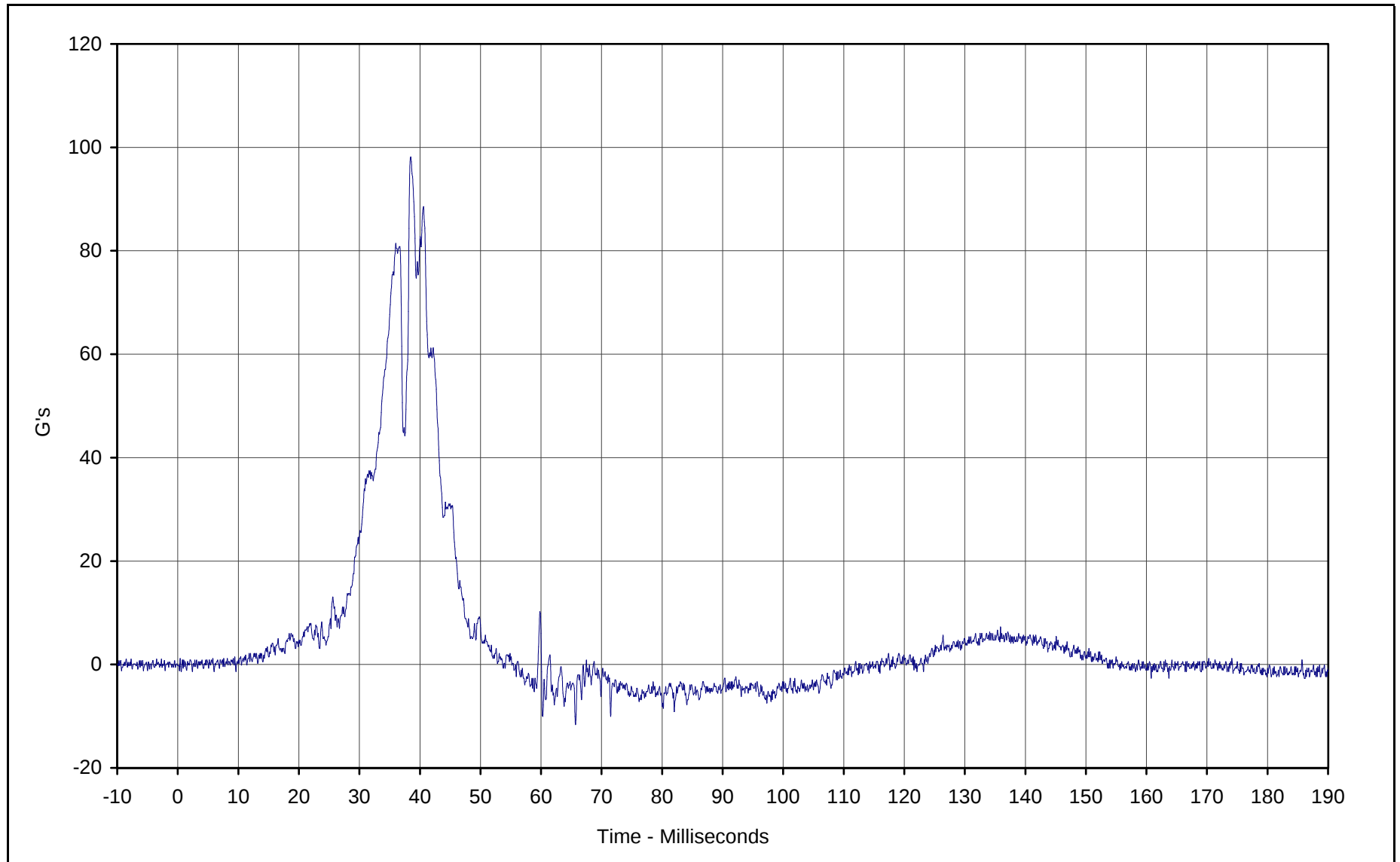
Date of Test: 1/30/02

Curve Number: IN1-023

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

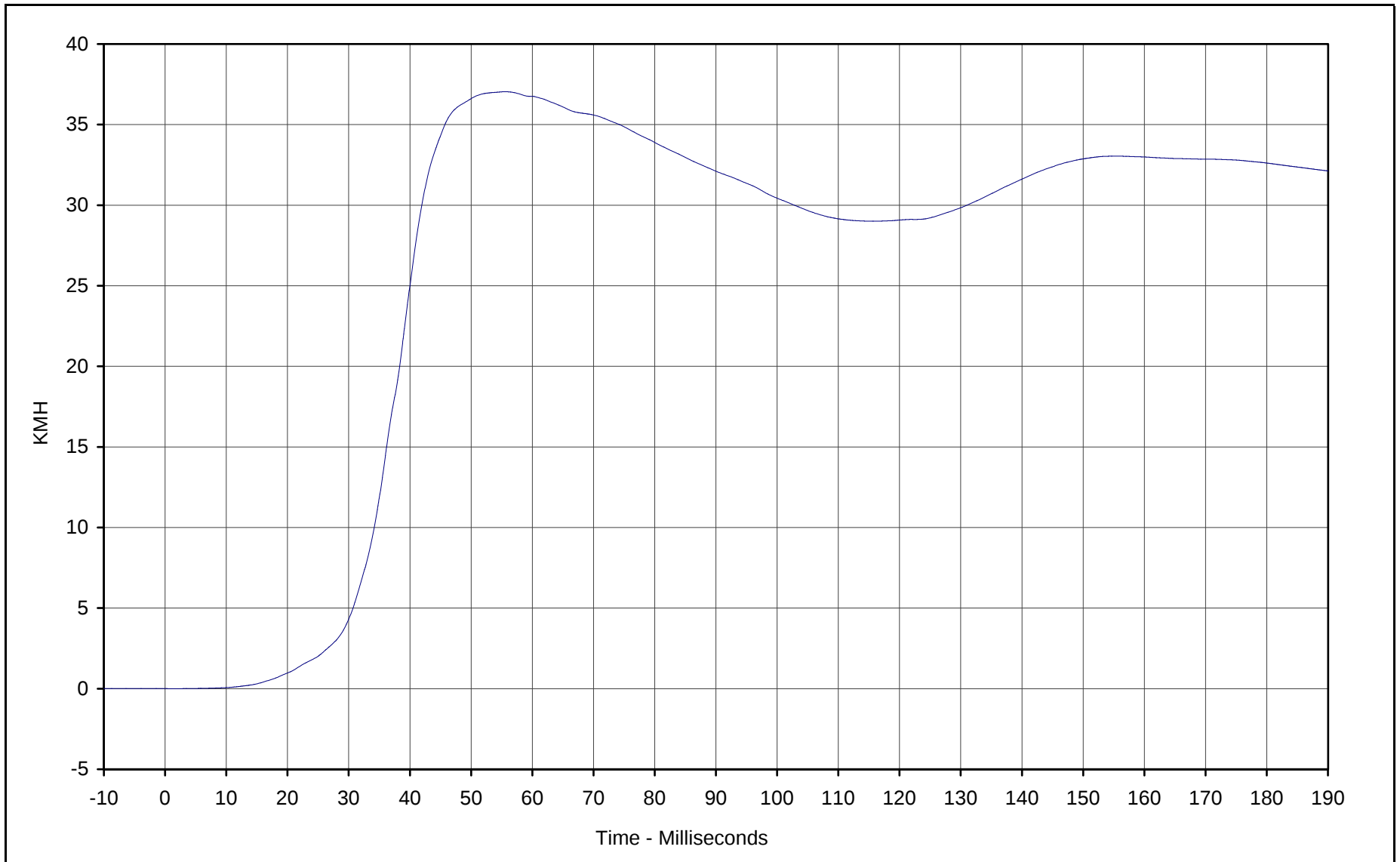




Curve Description: Pass. Pelvis Redundant Y
Maximum Value: 98.1 at 38.5 Milliseconds
Minimum Value: -11.7 at 65.7 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-024

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

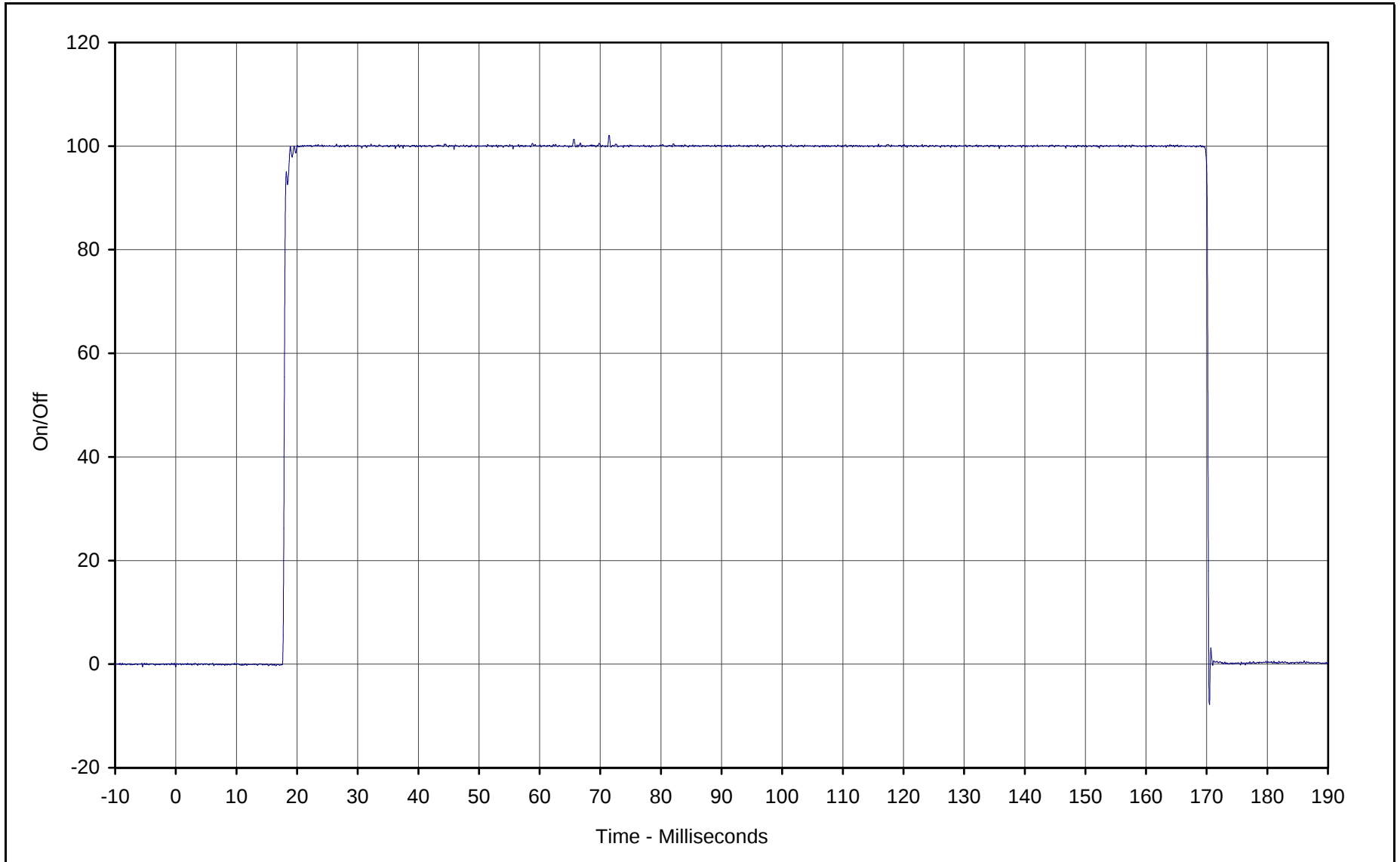




Curve Description: Pass. Pelvis Redundant Y Velocity
Maximum Value: 37.0 at 55.5 Milliseconds
Minimum Value: 0.0 at 1.4 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-024

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

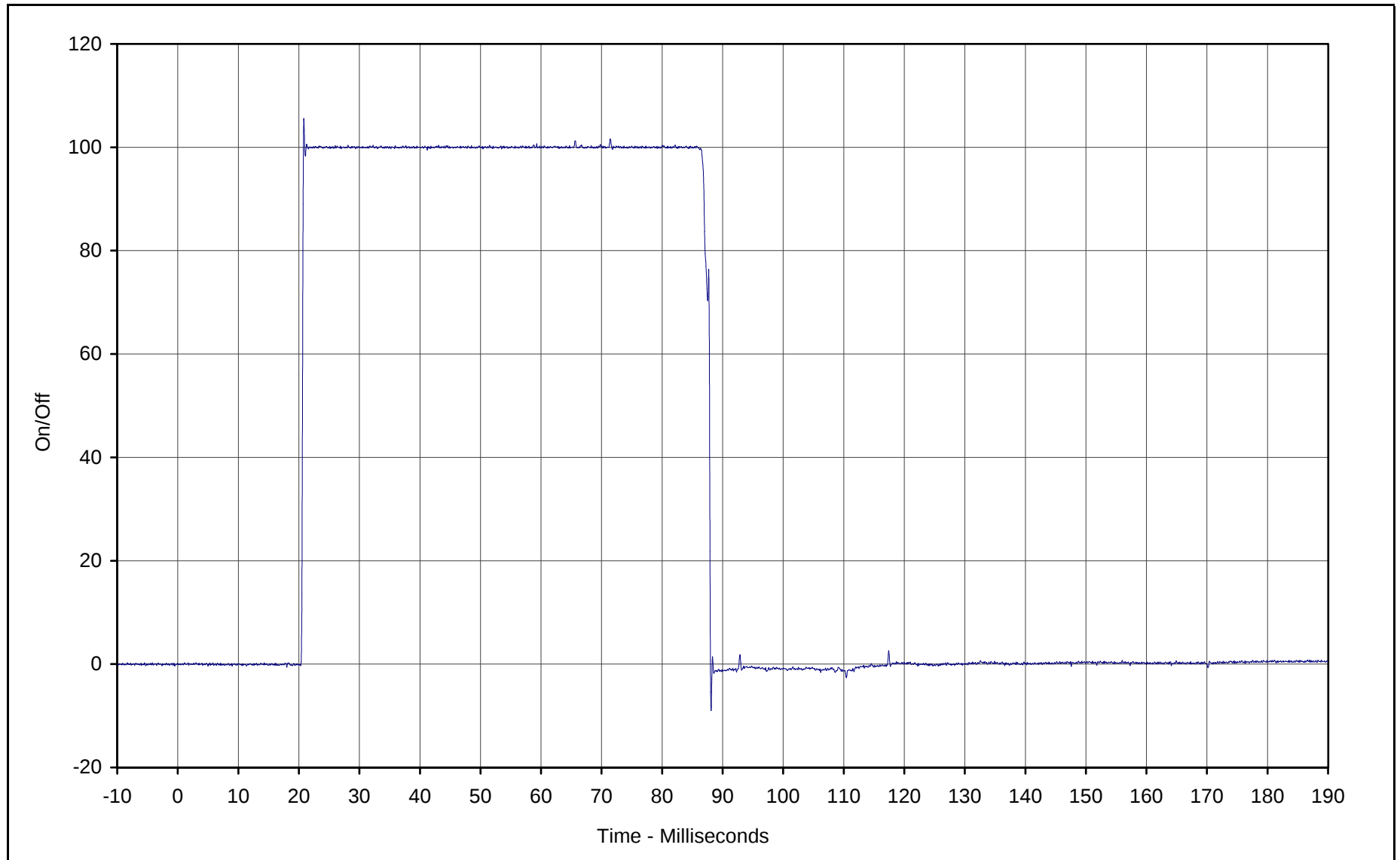




Curve Description: Pass. Thorax Contact
Maximum Value: 102.0 at 71.4 Milliseconds
Crossing Point: 50% at 17.9 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-025

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

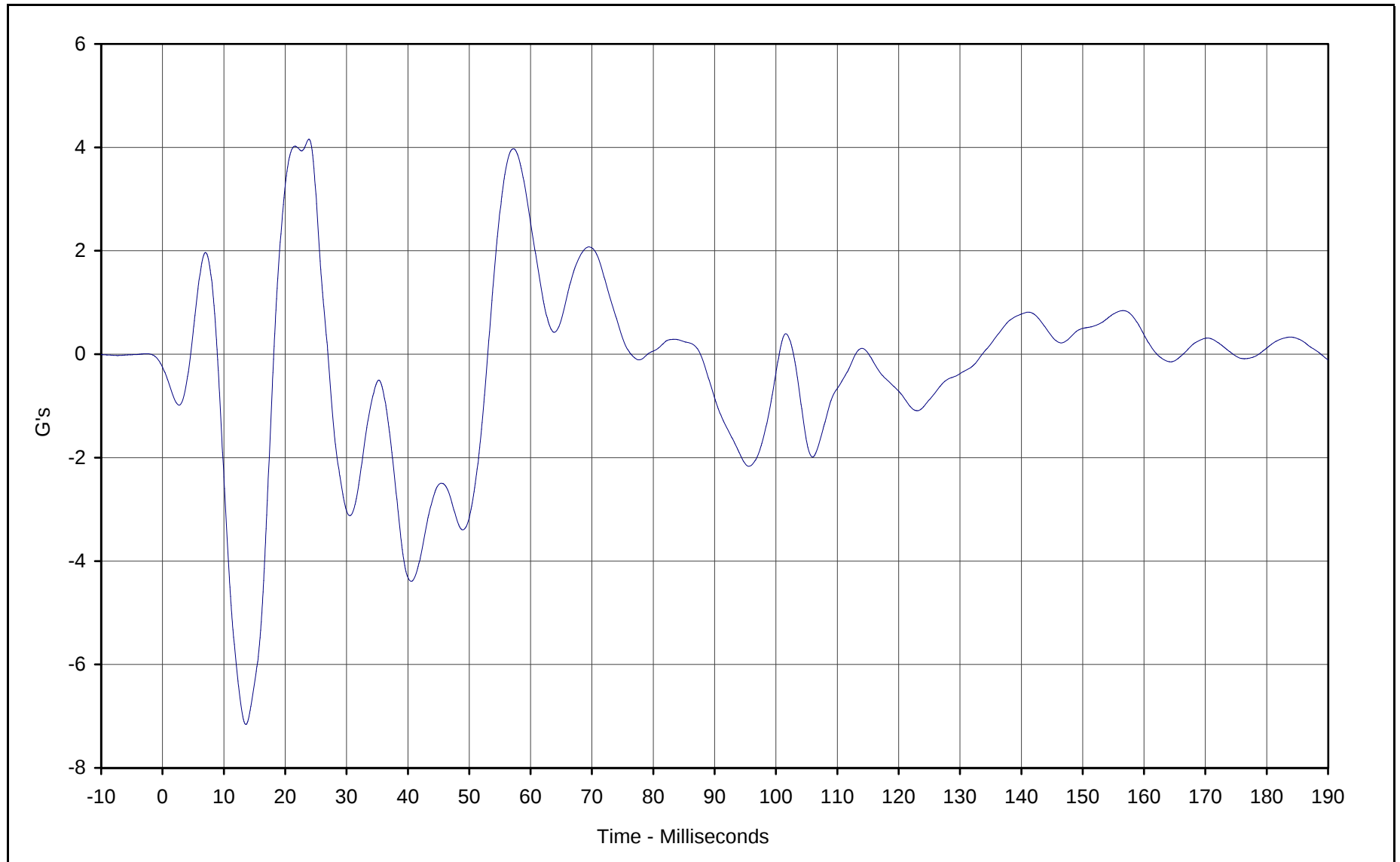




Curve Description: Pass. Pelvis Contact
Maximum Value: 105.4 at 20.8 Milliseconds
Crossing Point: 50% at 20.6 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-026

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

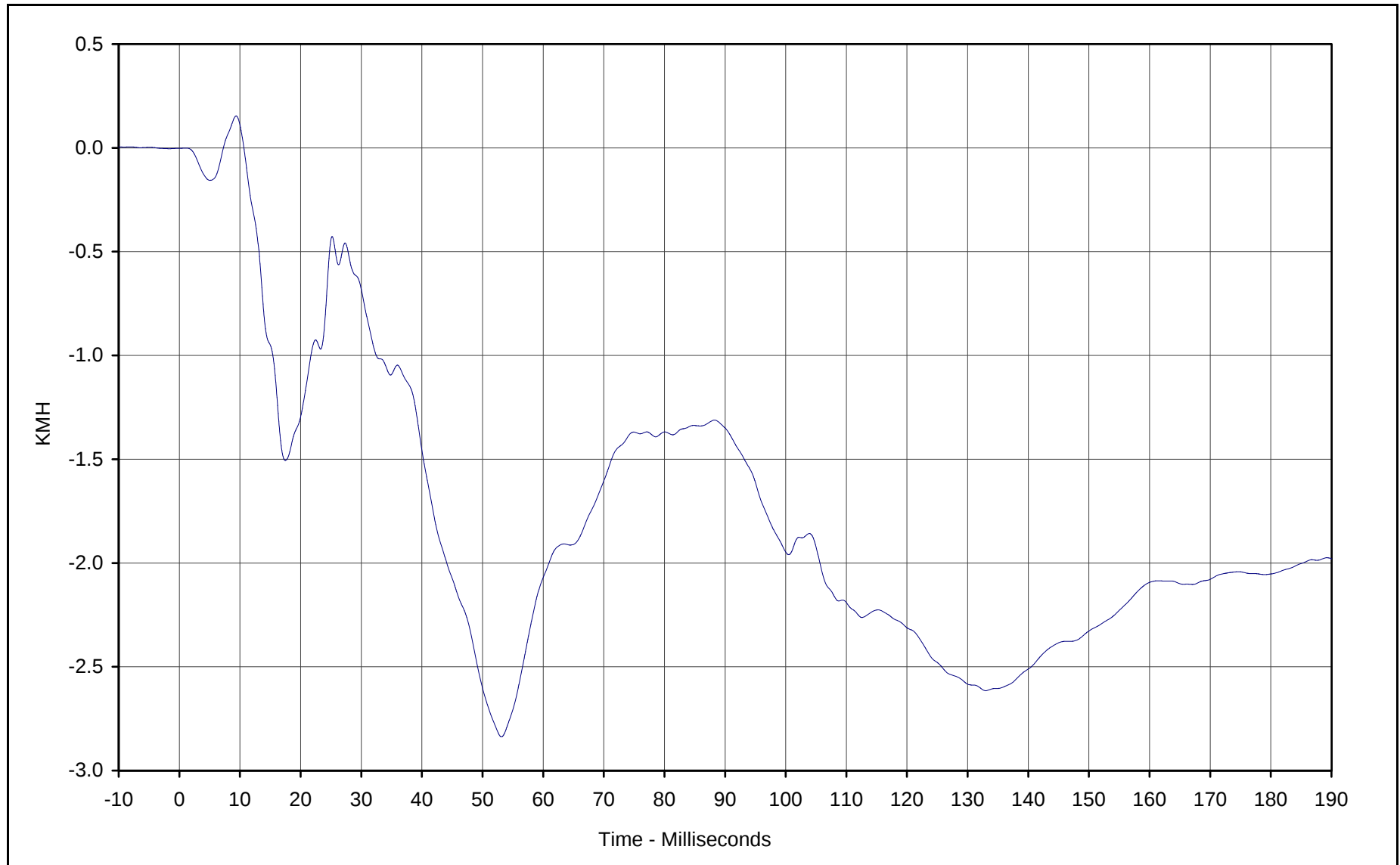




Curve Description: Right Sill at Front Seat X
Maximum Value: 4.2 at 23.9 Milliseconds
Minimum Value: -7.2 at 13.6 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-027

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Right Sill at Front Seat X Velocity

Maximum Value: 0.2 at 9.4 Milliseconds

Minimum Value: -2.8 at 53.1 Milliseconds

SAE Filter Class: 180

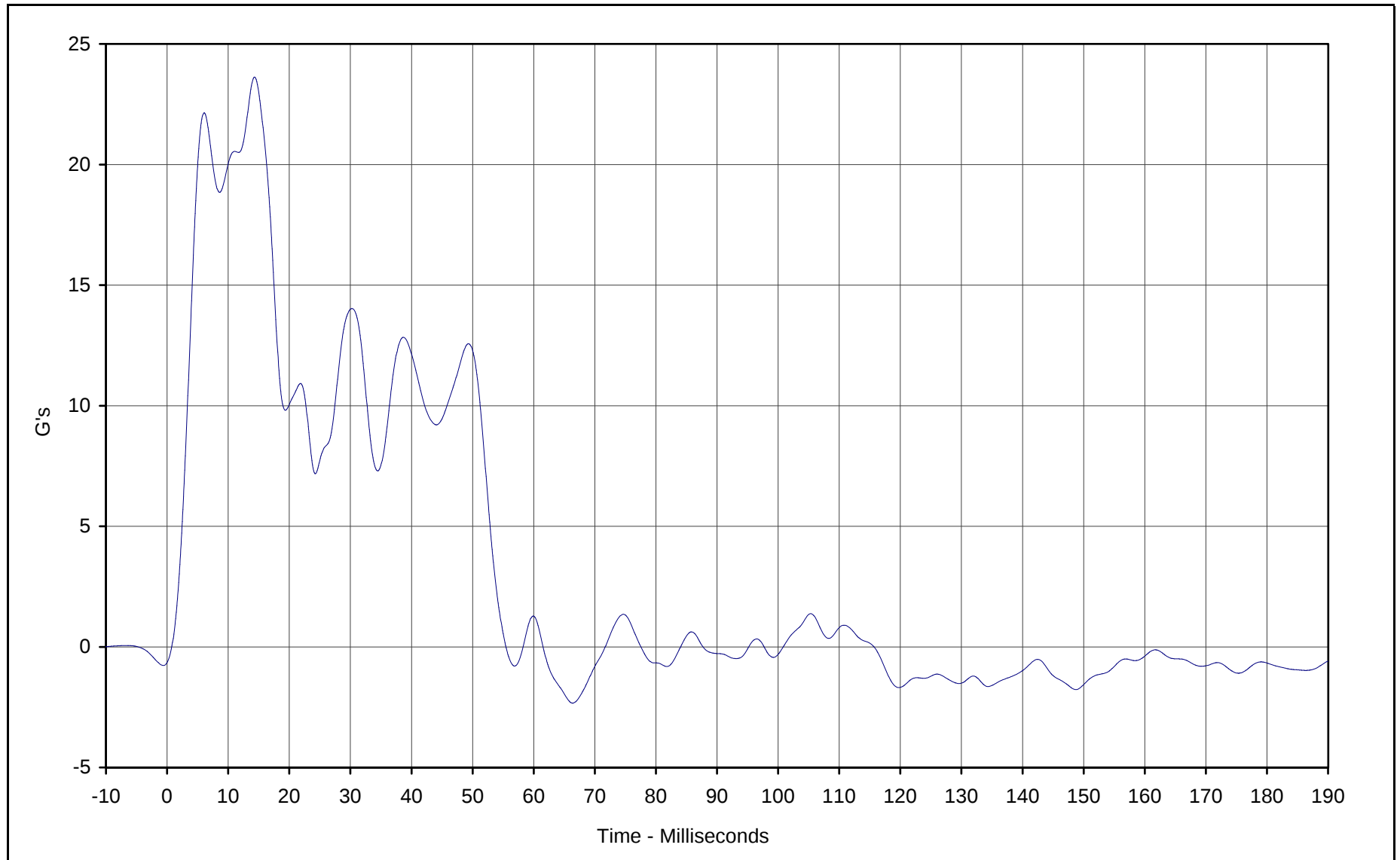
Date of Test: 1/30/02

Curve Number: IN1-027

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

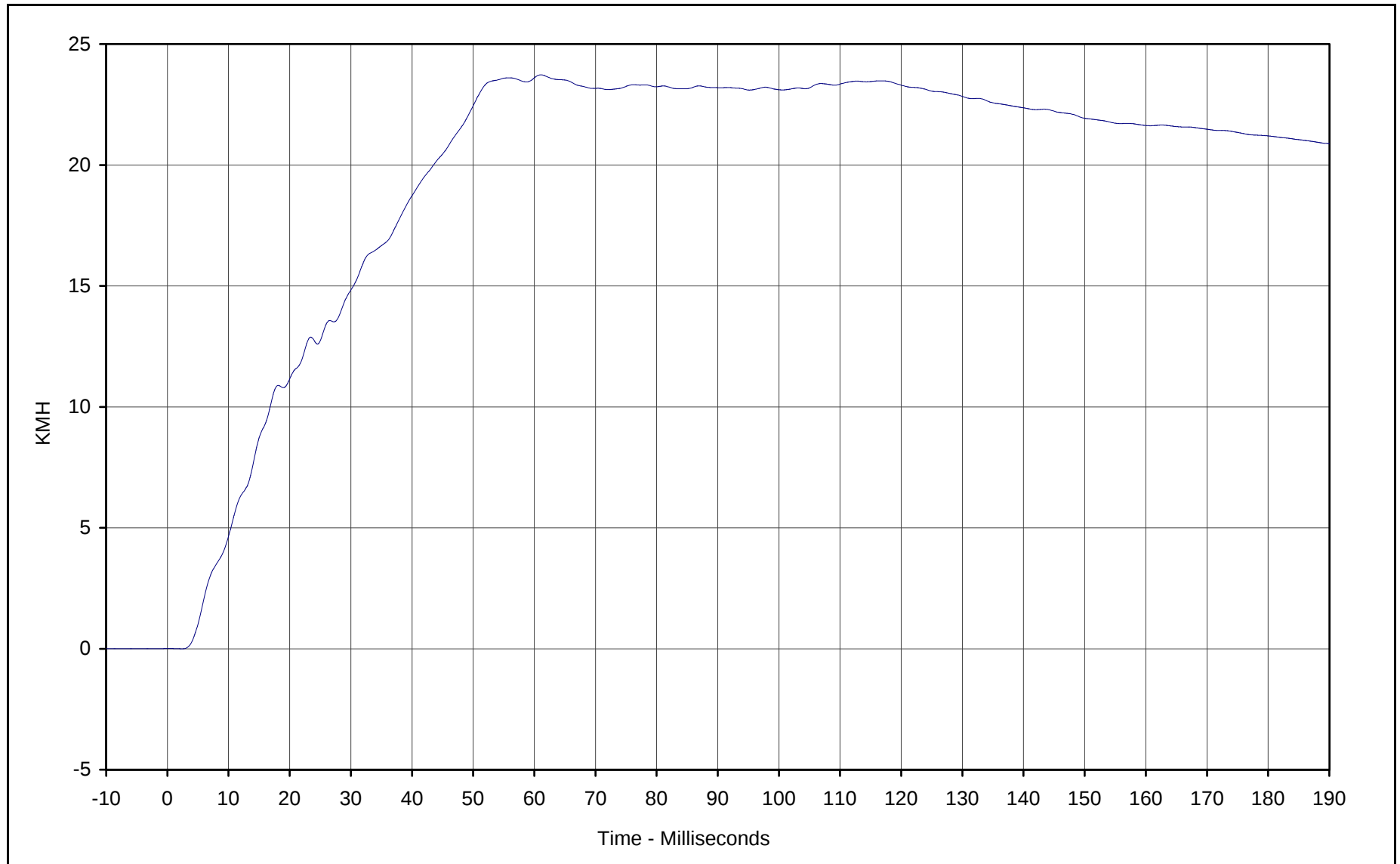




Curve Description: Right Sill at Front Seat Y
Maximum Value: 23.6 at 14.3 Milliseconds
Minimum Value: -2.3 at 66.4 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-028

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

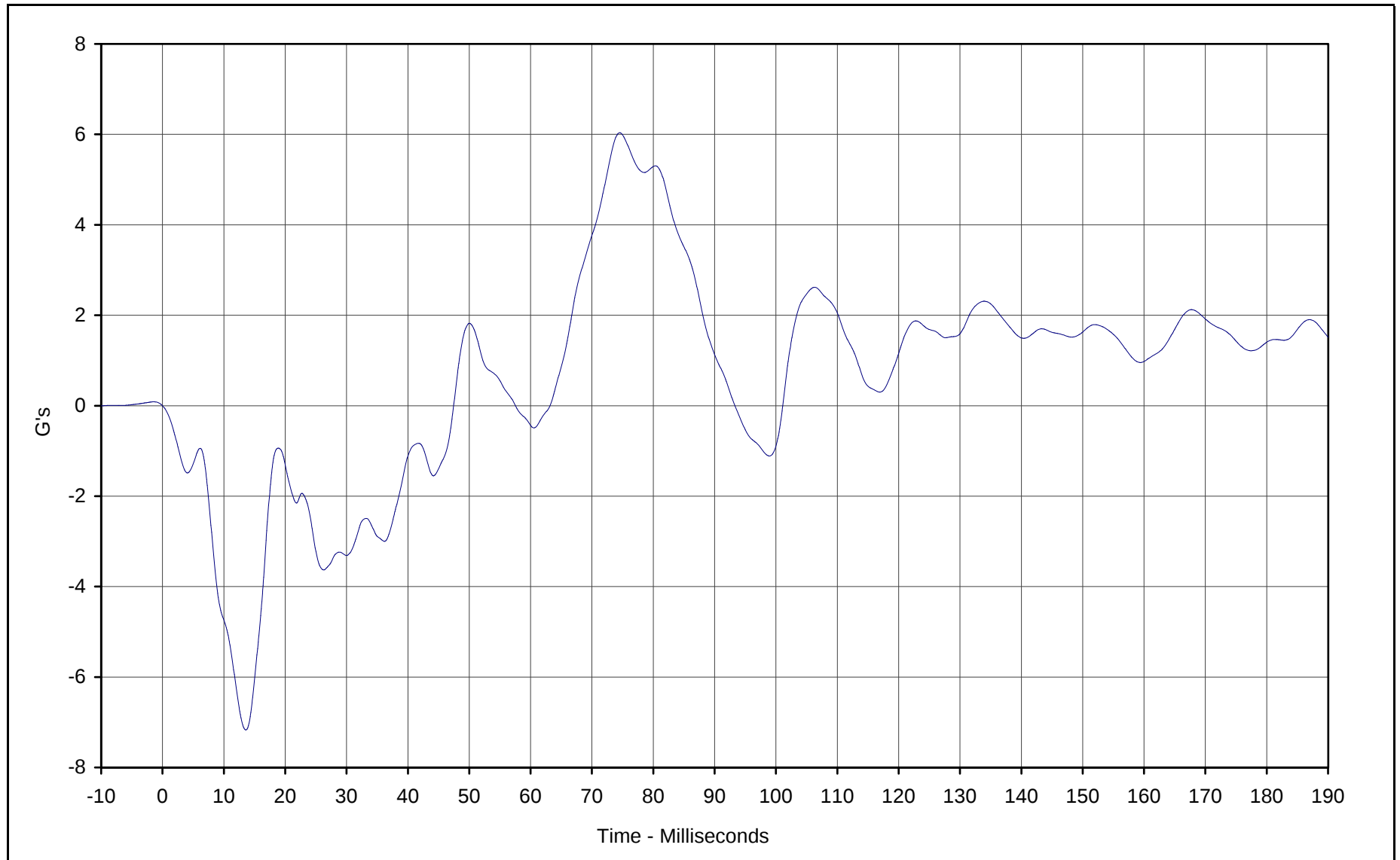




Curve Description: Right Sill at Front Seat Y Velocity
Maximum Value: 23.7 at 61.1 Milliseconds
Minimum Value: 0.0 at 2.4 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-028

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

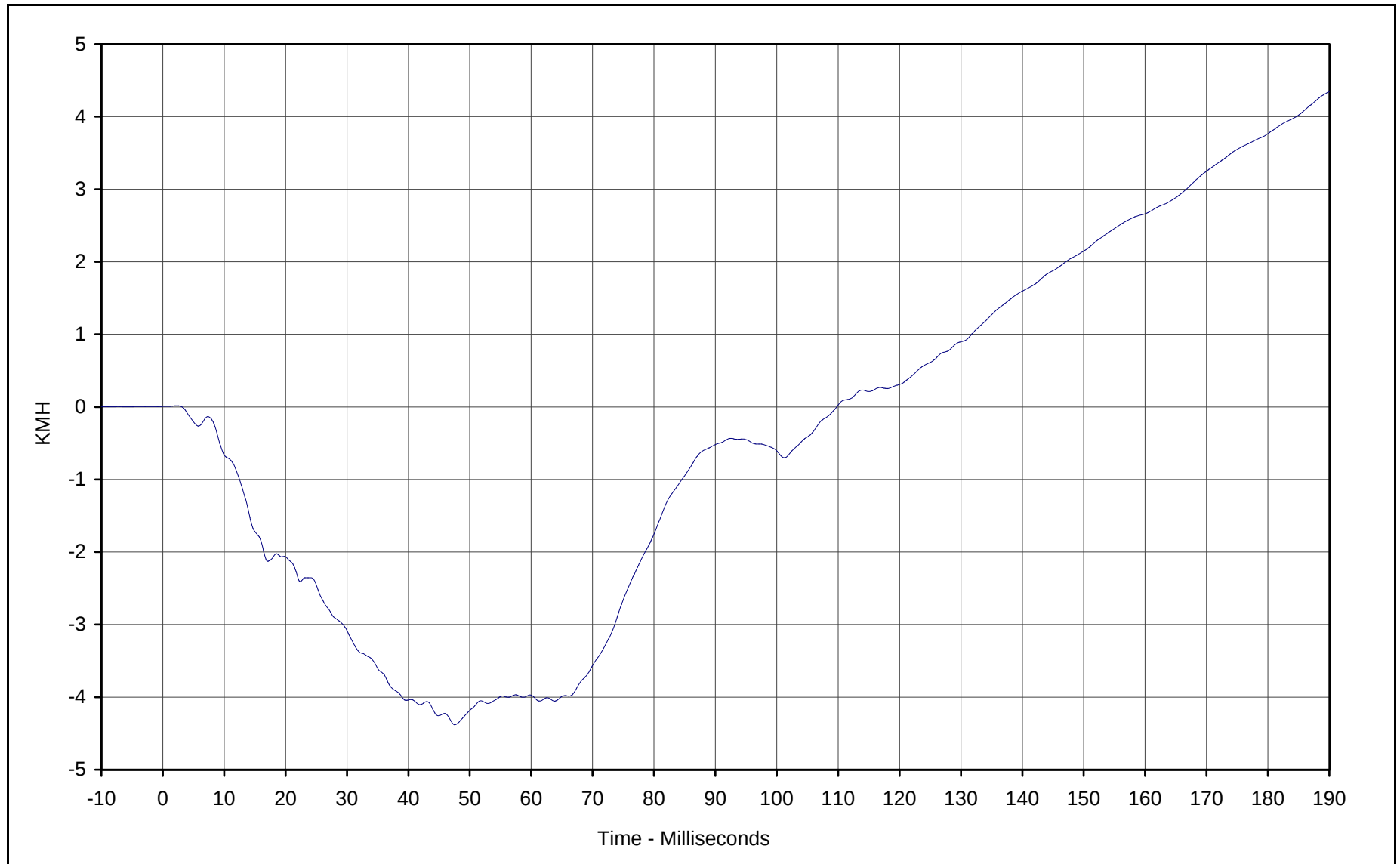




Curve Description: Right Sill at Front Seat Z
Maximum Value: 6.0 at 74.5 Milliseconds
Minimum Value: -7.2 at 13.6 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-029

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

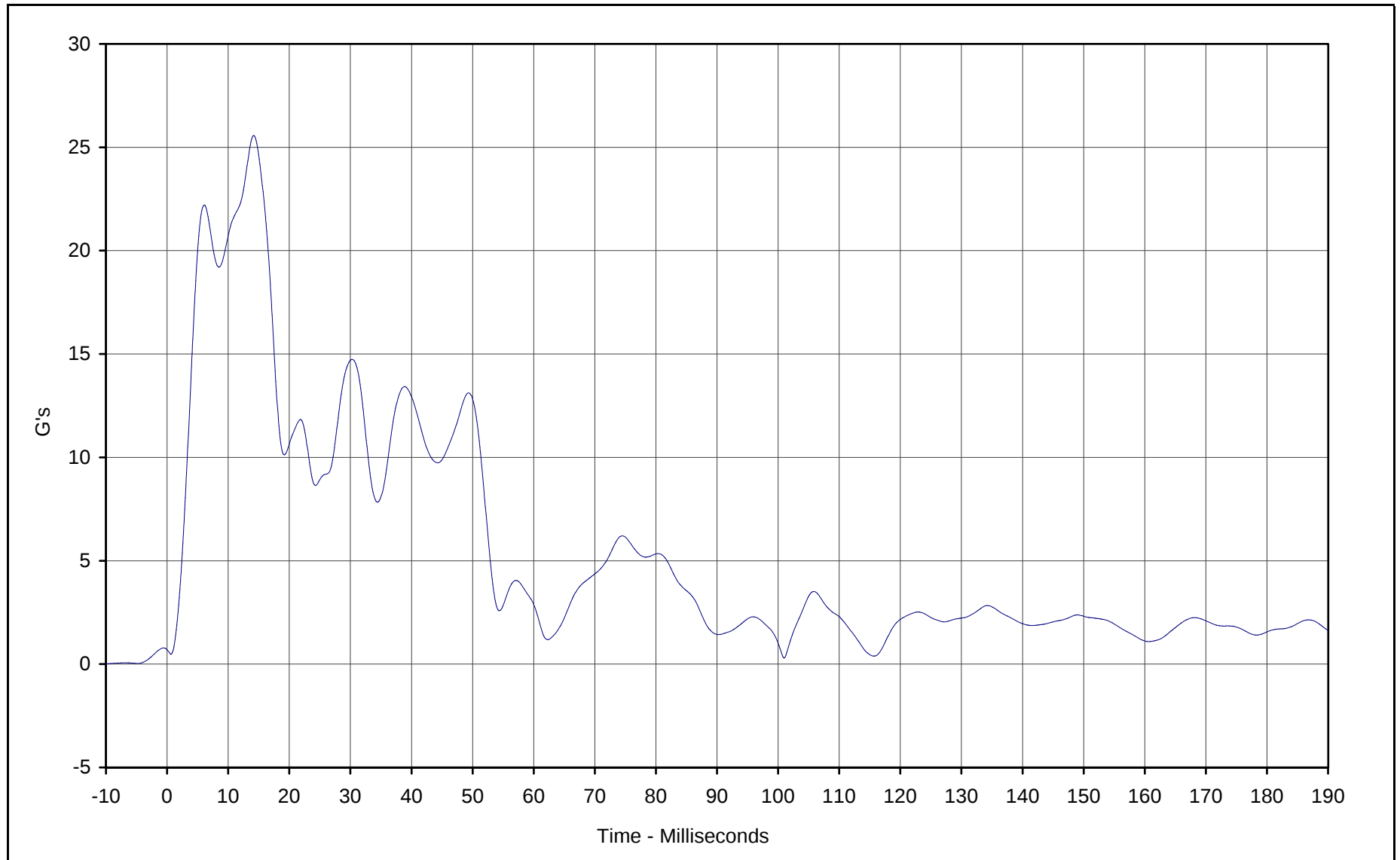




Curve Description: Right Sill at Front Seat Z Velocity
Maximum Value: 4.3 at 189.9 Milliseconds
Minimum Value: -4.4 at 47.6 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-029

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

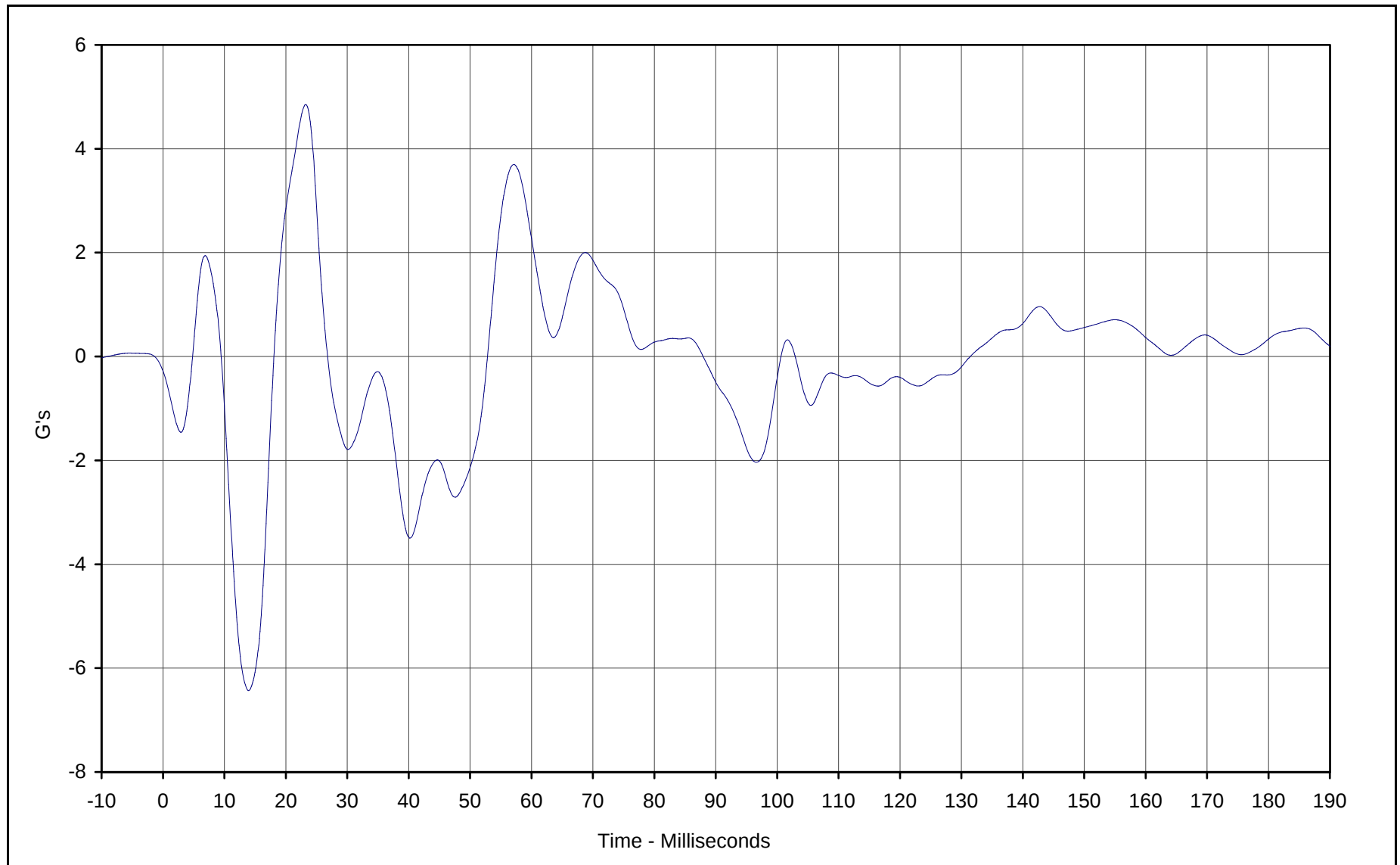




Curve Description: Right Sill at Front Seat Resultant
Maximum Value: 25.6 at 14.2 Milliseconds
Minimum Value: 0.3 at 101.0 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: RES-027

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

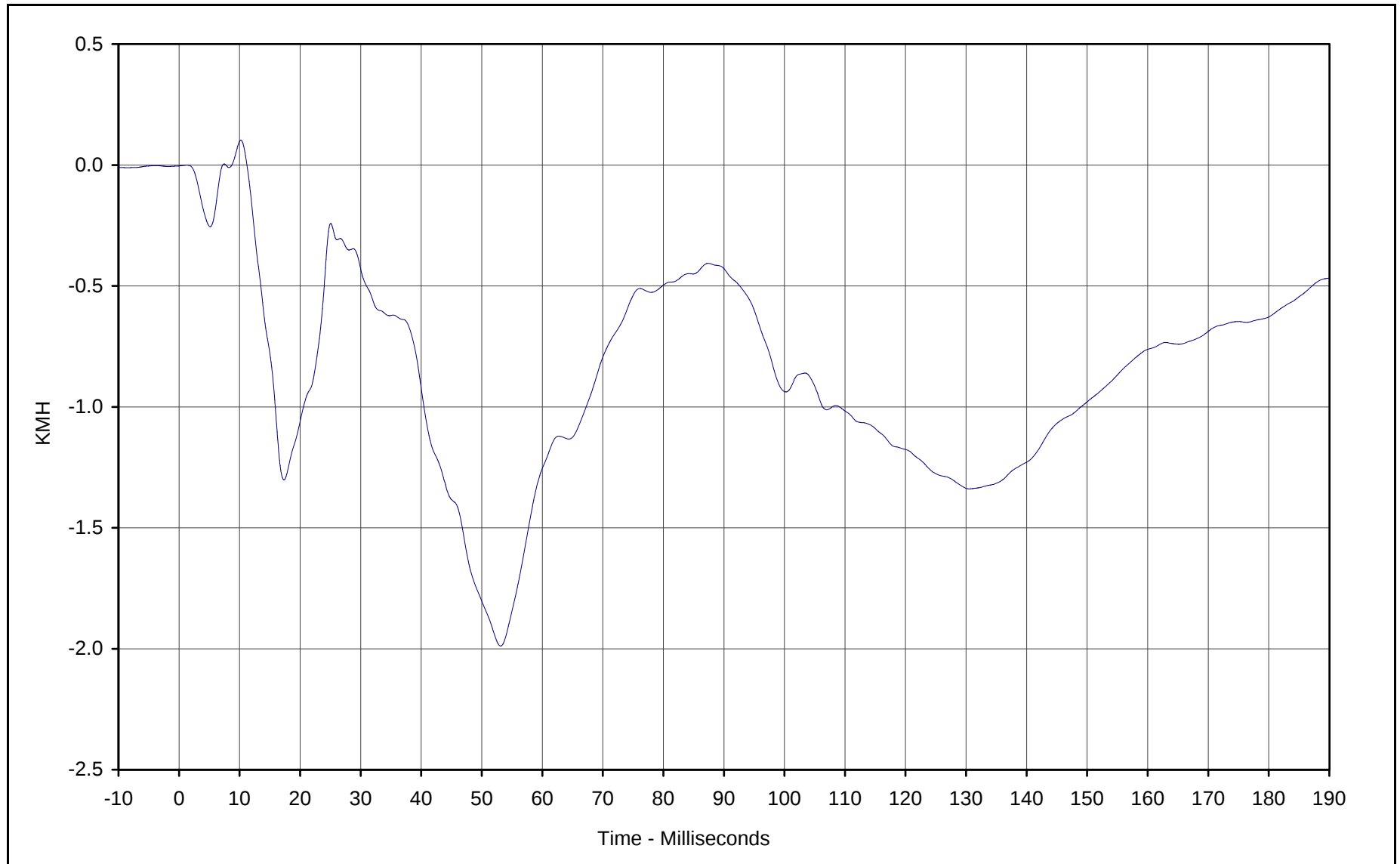




Curve Description: Right Sill at Rear Seat X
Maximum Value: 4.9 at 23.2 Milliseconds
Minimum Value: -6.4 at 13.9 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-030

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV



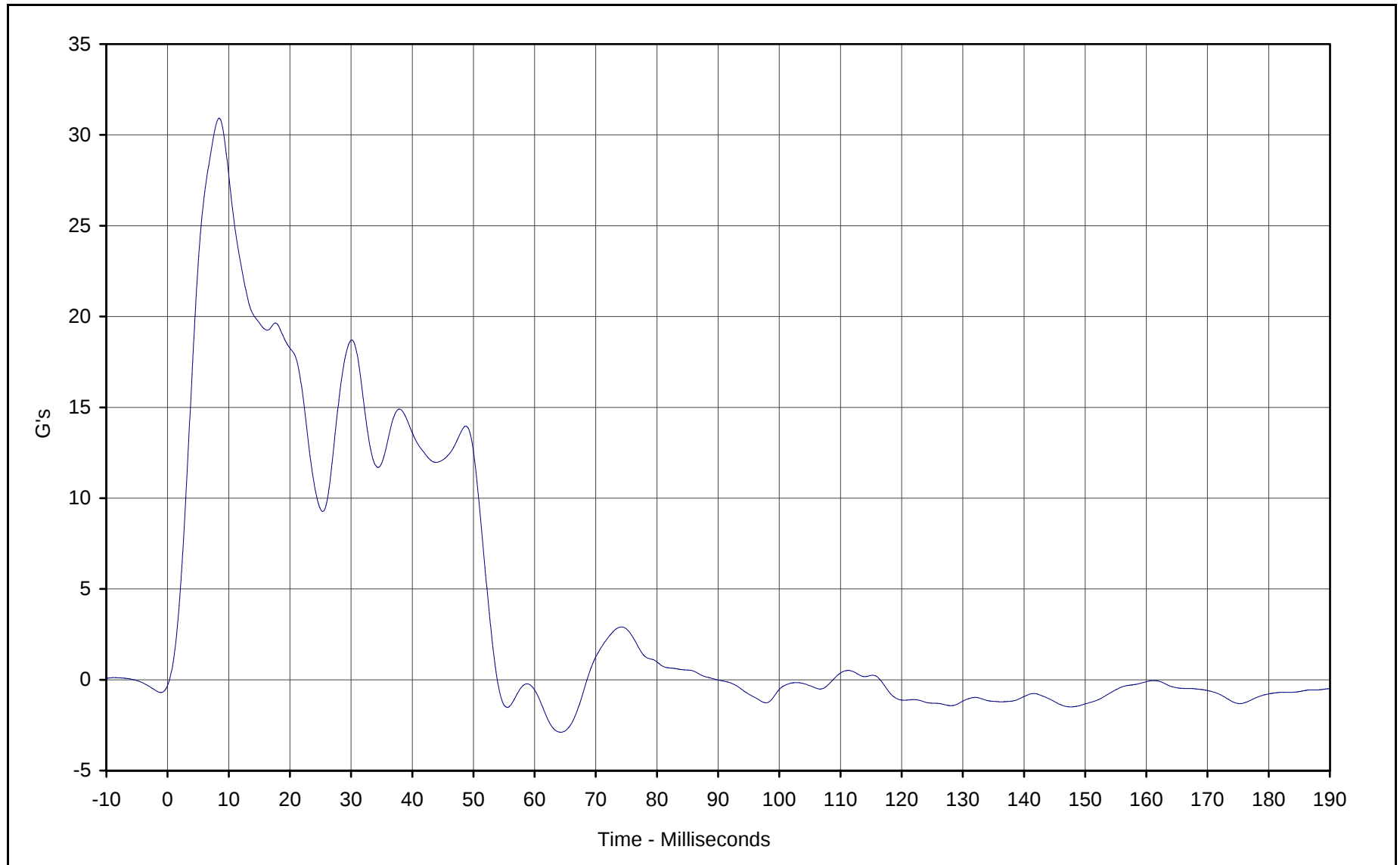


Curve Description: Right Sill at Rear Seat X Velocity
Maximum Value: 0.1 at 10.2 Milliseconds
Minimum Value: -2.0 at 53.1 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-030

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV



B-60

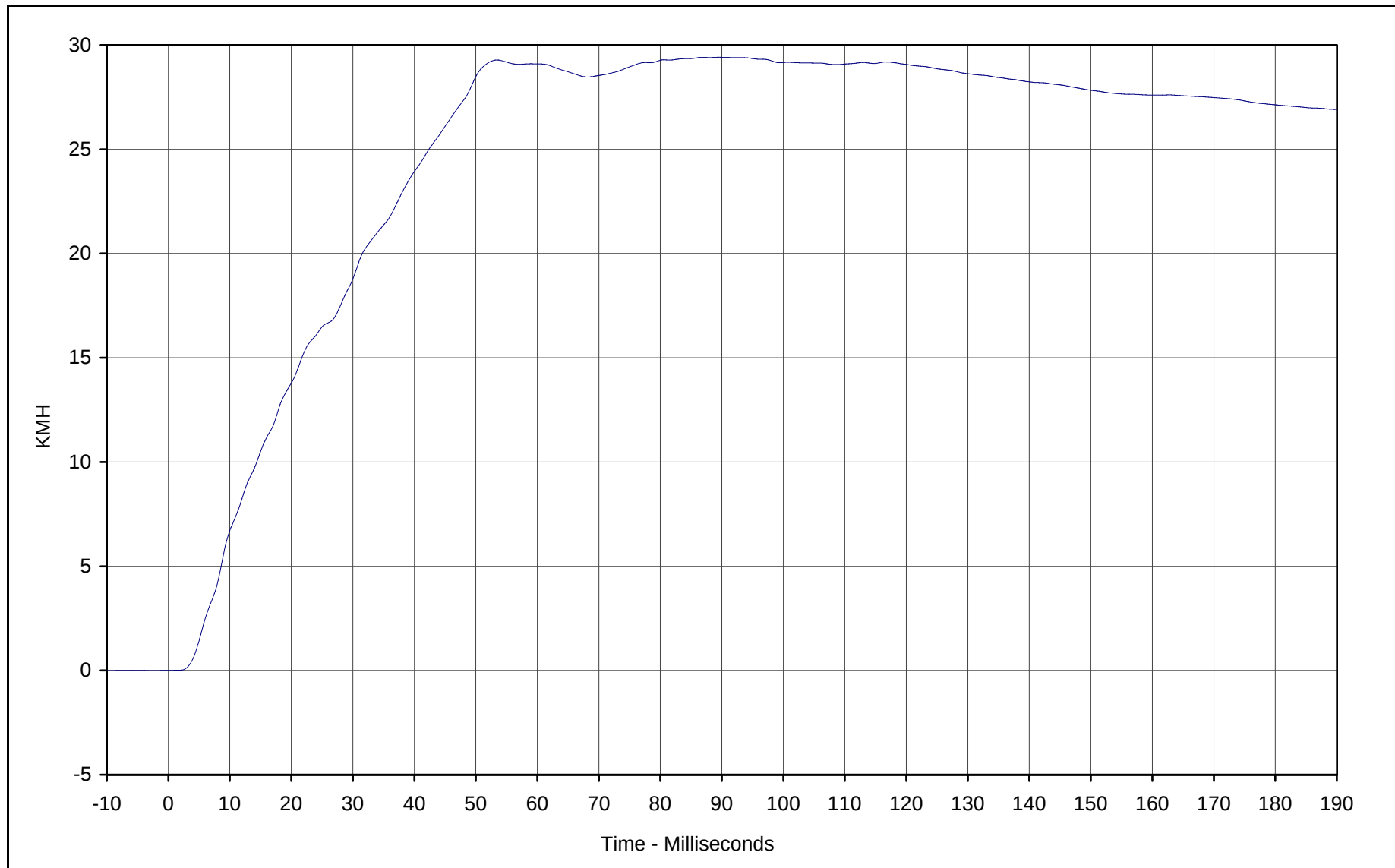


Curve Description: Right Sill at Rear Seat Y
Maximum Value: 30.9 at 8.4 Milliseconds
Minimum Value: -2.9 at 64.3 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-031

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV



KAR21062-01



Curve Description: Right Sill at Rear Seat Y Velocity

Maximum Value: 29.4 at 89.5 Milliseconds

Minimum Value: 0.0 at 0.0 Milliseconds

SAE Filter Class: 180

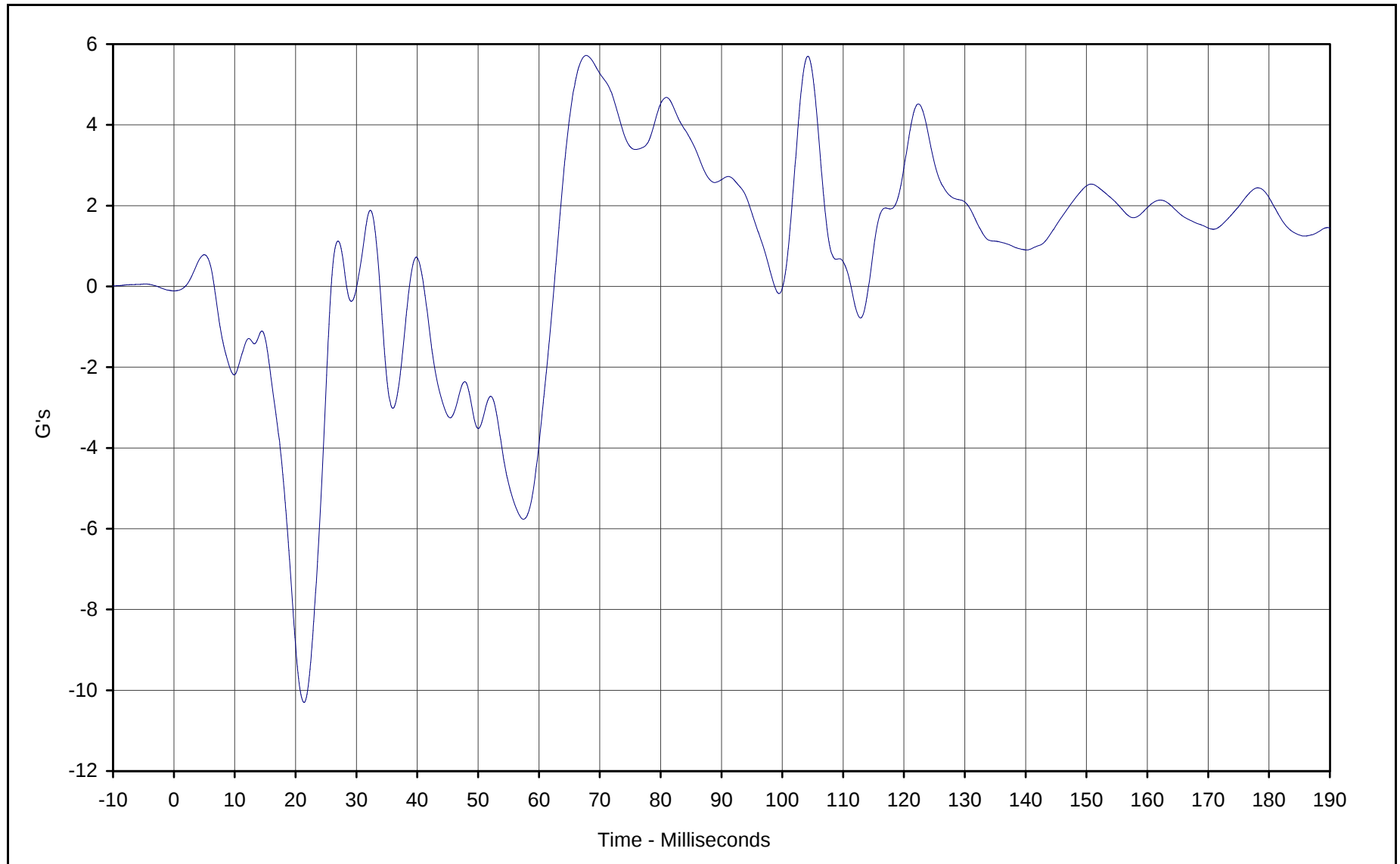
Date of Test: 1/30/02

Curve Number: IN1-031

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

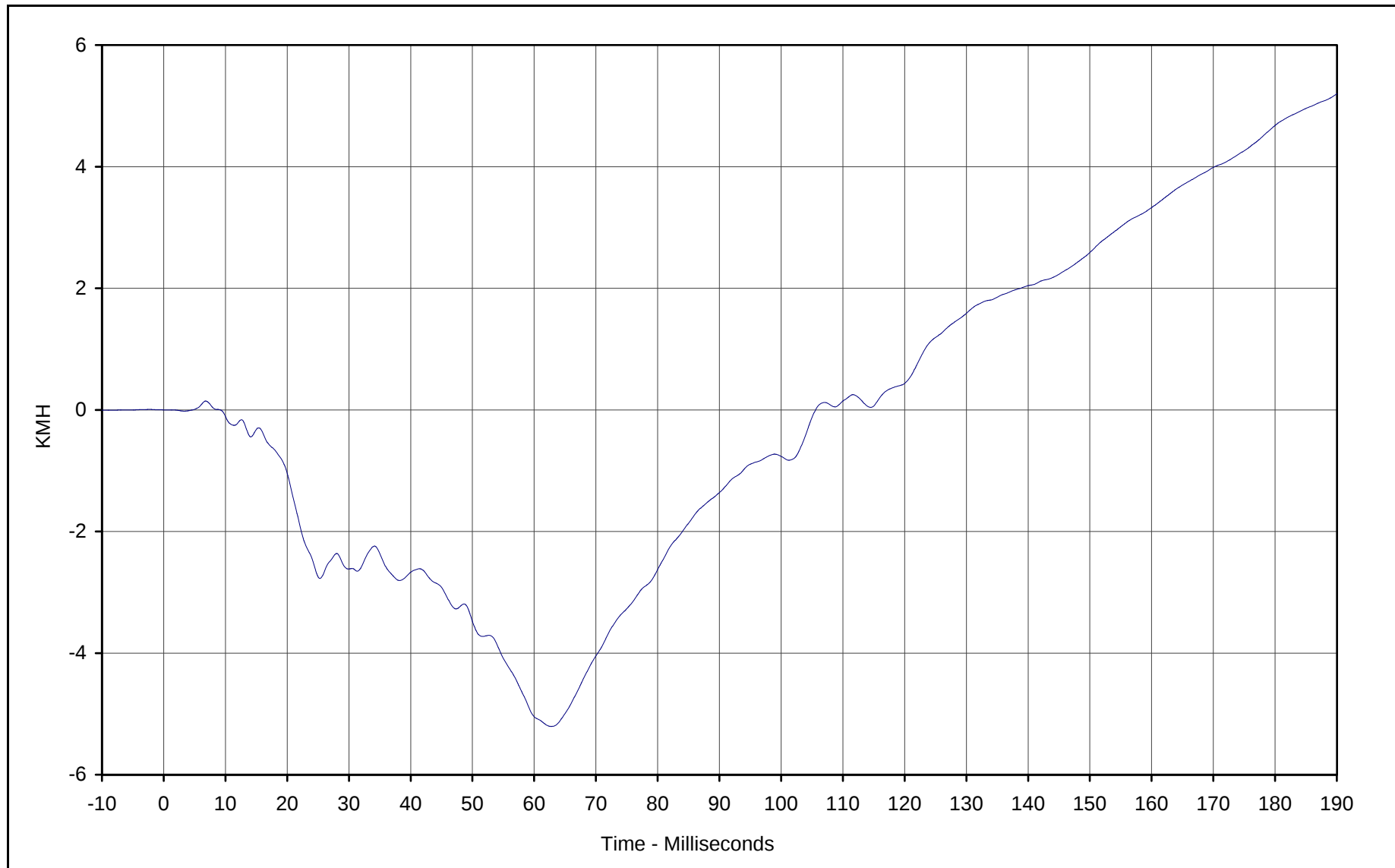




Curve Description: Right Sill at Rear Seat Z
Maximum Value: 5.7 at 67.8 Milliseconds
Minimum Value: -10.3 at 21.4 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-032

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

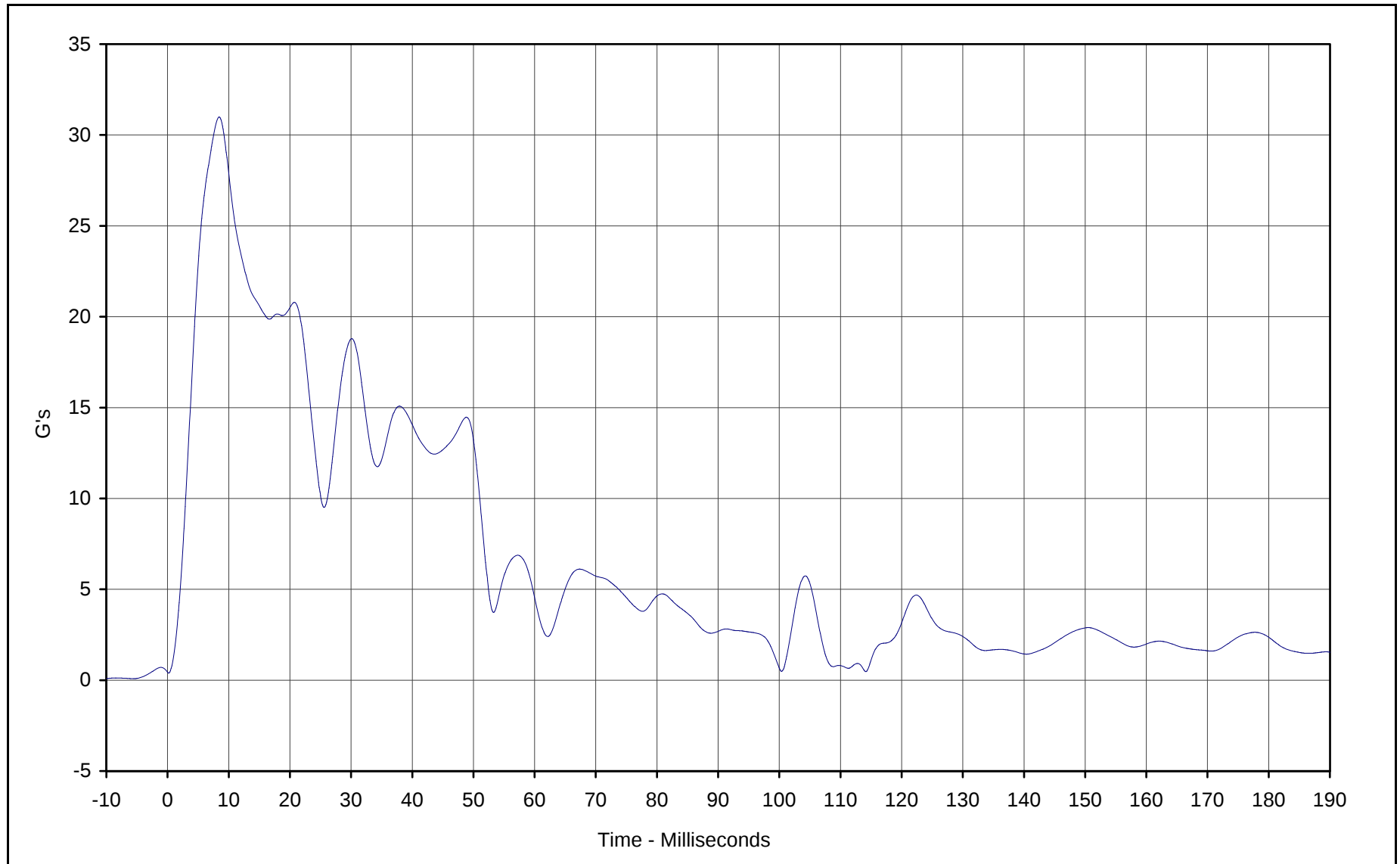




Curve Description: Right Sill at Rear Seat Z Velocity
Maximum Value: 5.2 at 189.9 Milliseconds
Minimum Value: -5.2 at 62.8 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-032

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

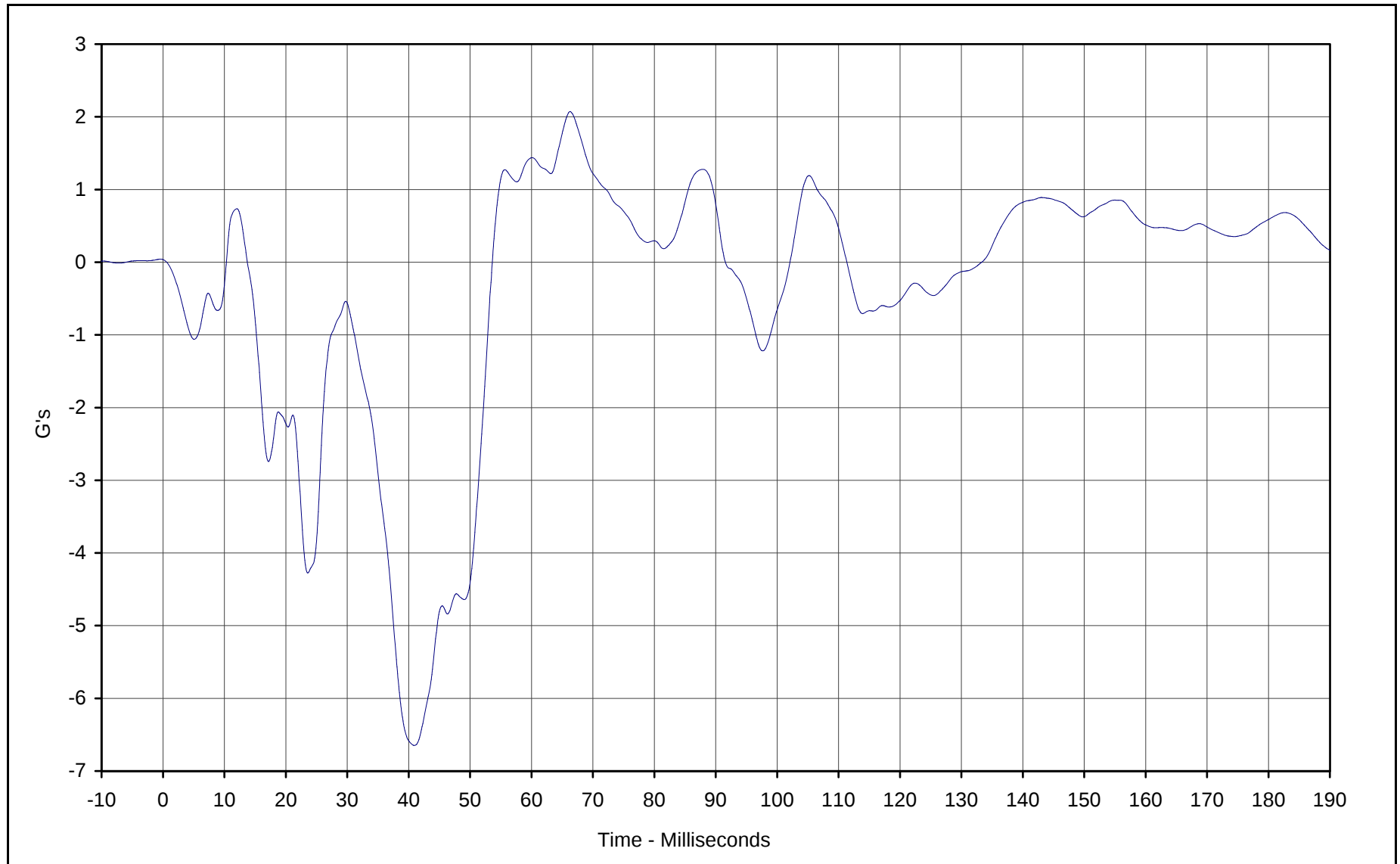




Curve Description: Right Sill at Rear Seat Resultant
Maximum Value: 31.0 at 8.4 Milliseconds
Minimum Value: 0.4 at 0.2 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: RES-030

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

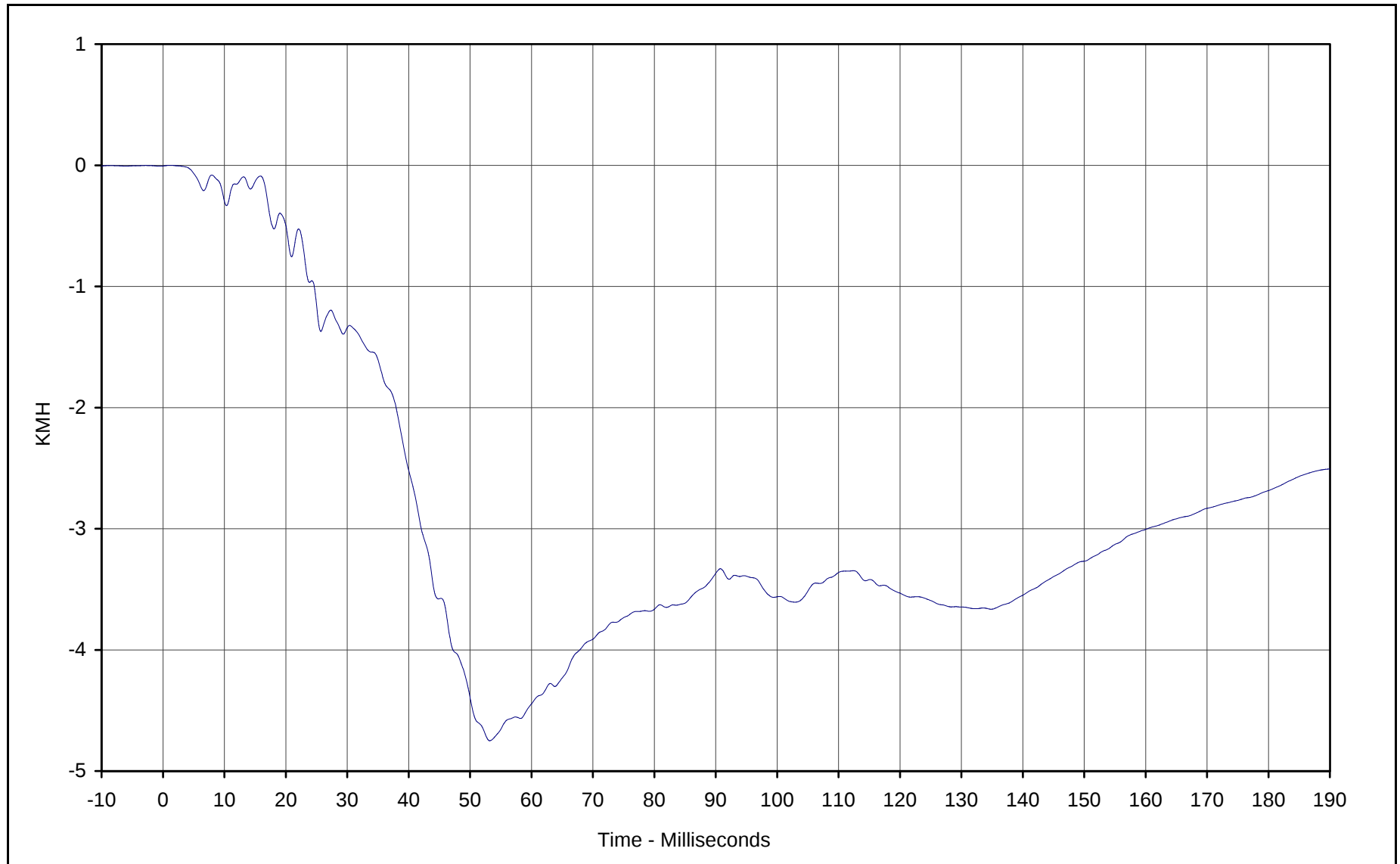




Curve Description: Rear Floor Above Axle X
Maximum Value: 2.1 at 66.3 Milliseconds
Minimum Value: -6.6 at 40.9 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-033

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

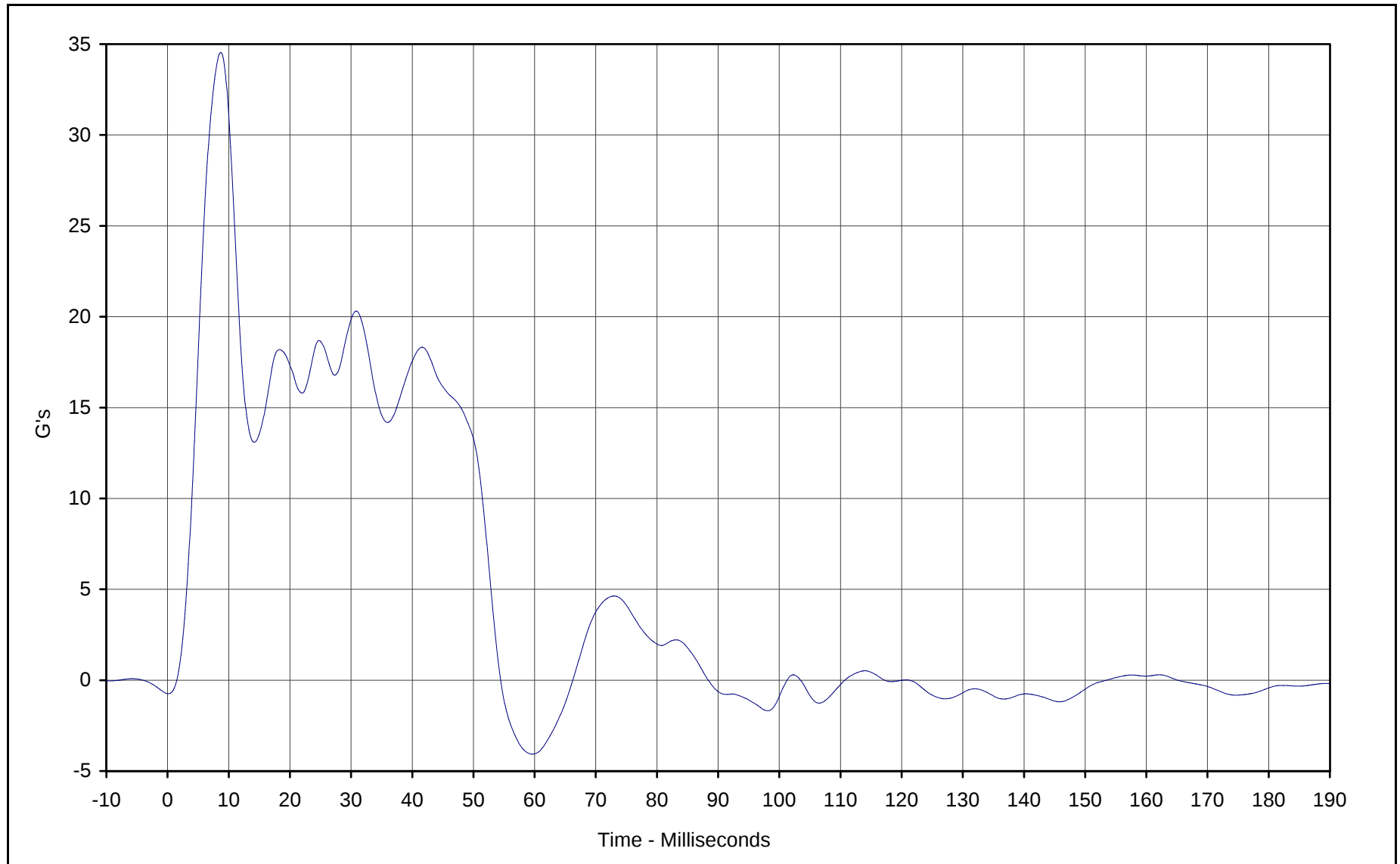




Curve Description: Rear Floor Above Axle X Velocity
Maximum Value: 0.0 at 1.2 Milliseconds
Minimum Value: -4.7 at 53.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-033

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

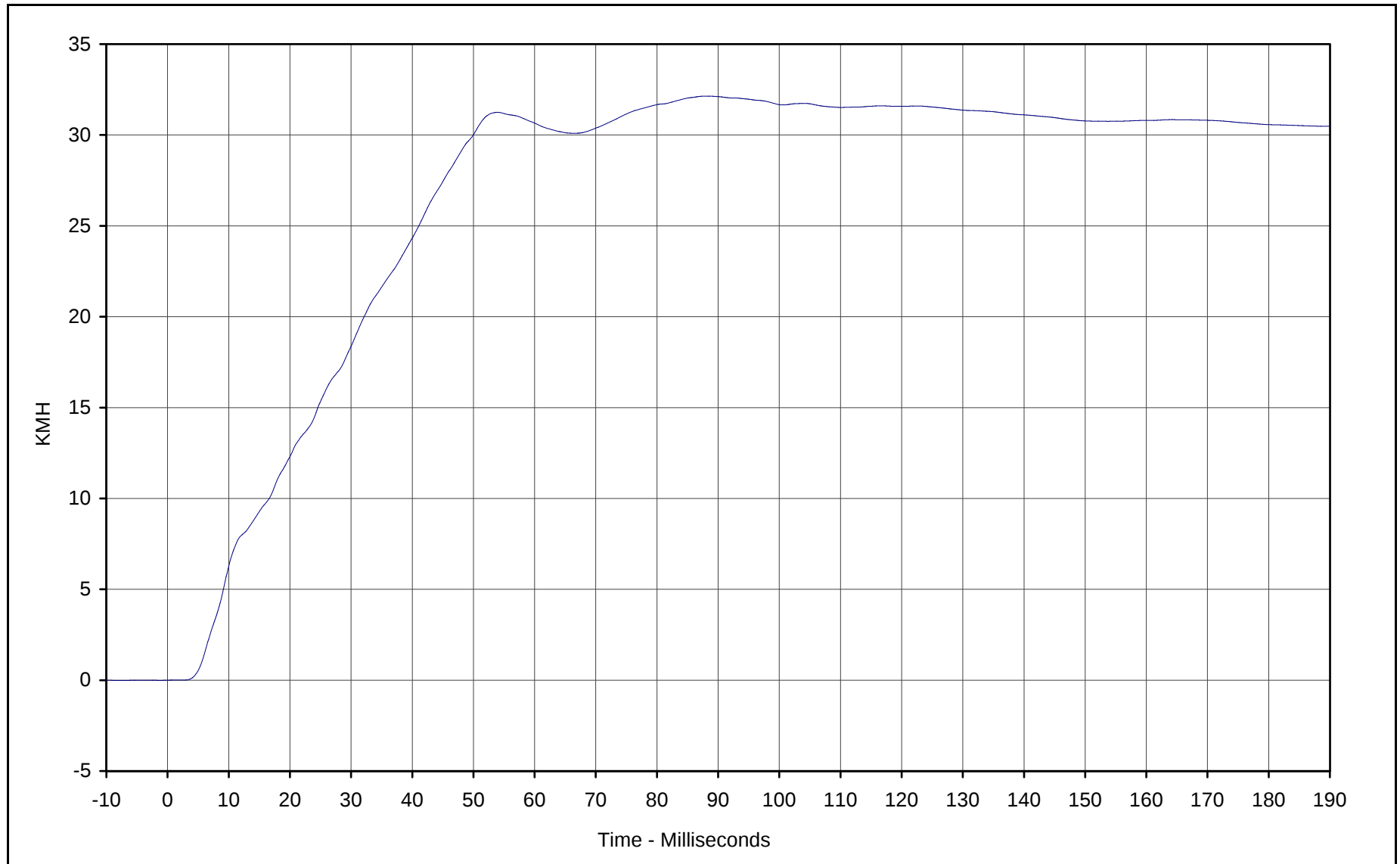




Curve Description: Rear Floor Above Axle Y
Maximum Value: 34.5 at 8.7 Milliseconds
Minimum Value: -4.1 at 59.6 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-034

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

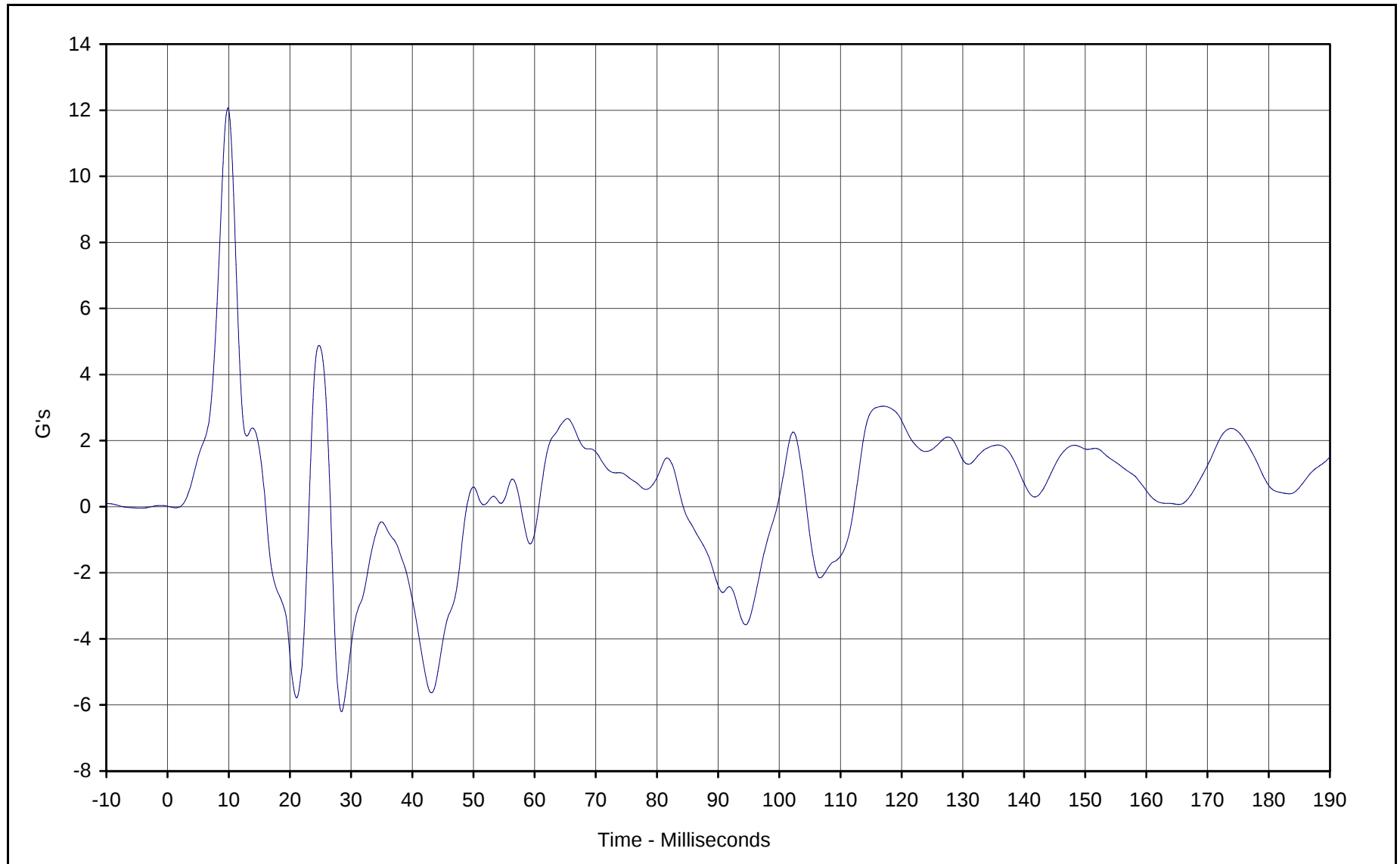




Curve Description: Rear Floor Above Axle Y Velocity
Maximum Value: 32.1 at 88.0 Milliseconds
Minimum Value: 0.0 at 0.0 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-034

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

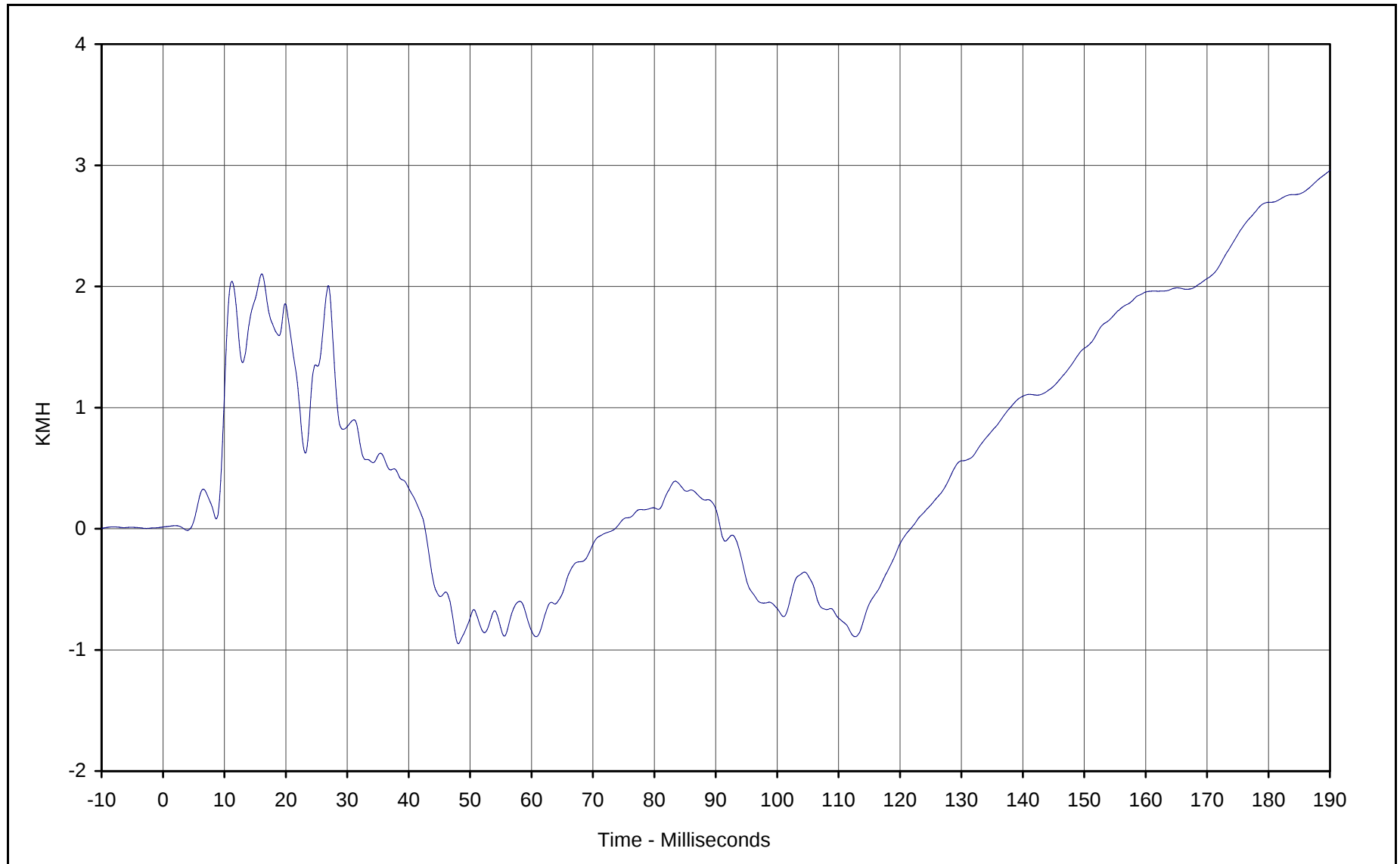




Curve Description: Rear Floor Above Axle Z
Maximum Value: 12.1 at 9.9 Milliseconds
Minimum Value: -6.2 at 28.4 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-035

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

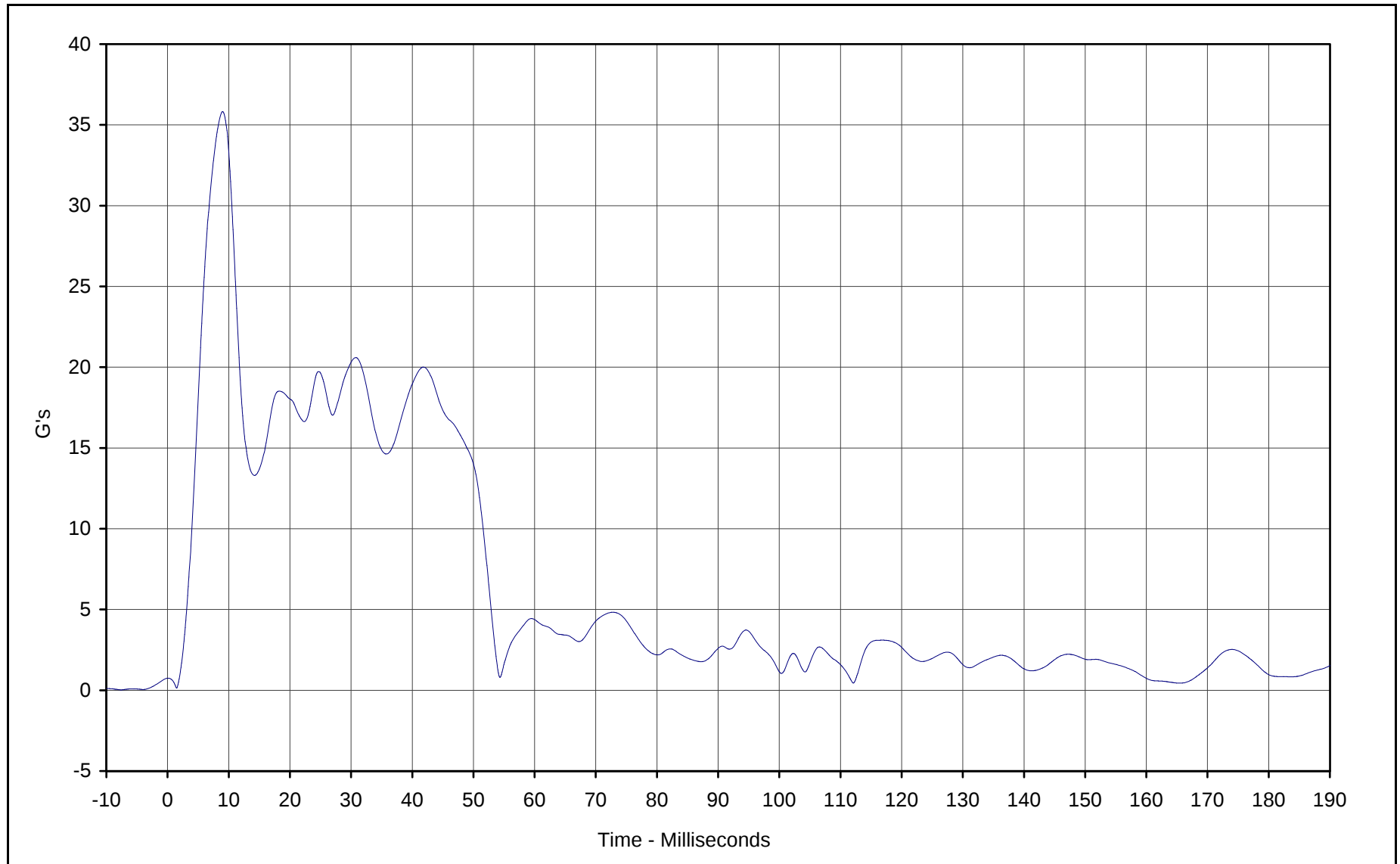




Curve Description: Rear Floor Above Axle Z Velocity
Maximum Value: 3.0 at 189.9 Milliseconds
Minimum Value: -0.9 at 48.1 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-035

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

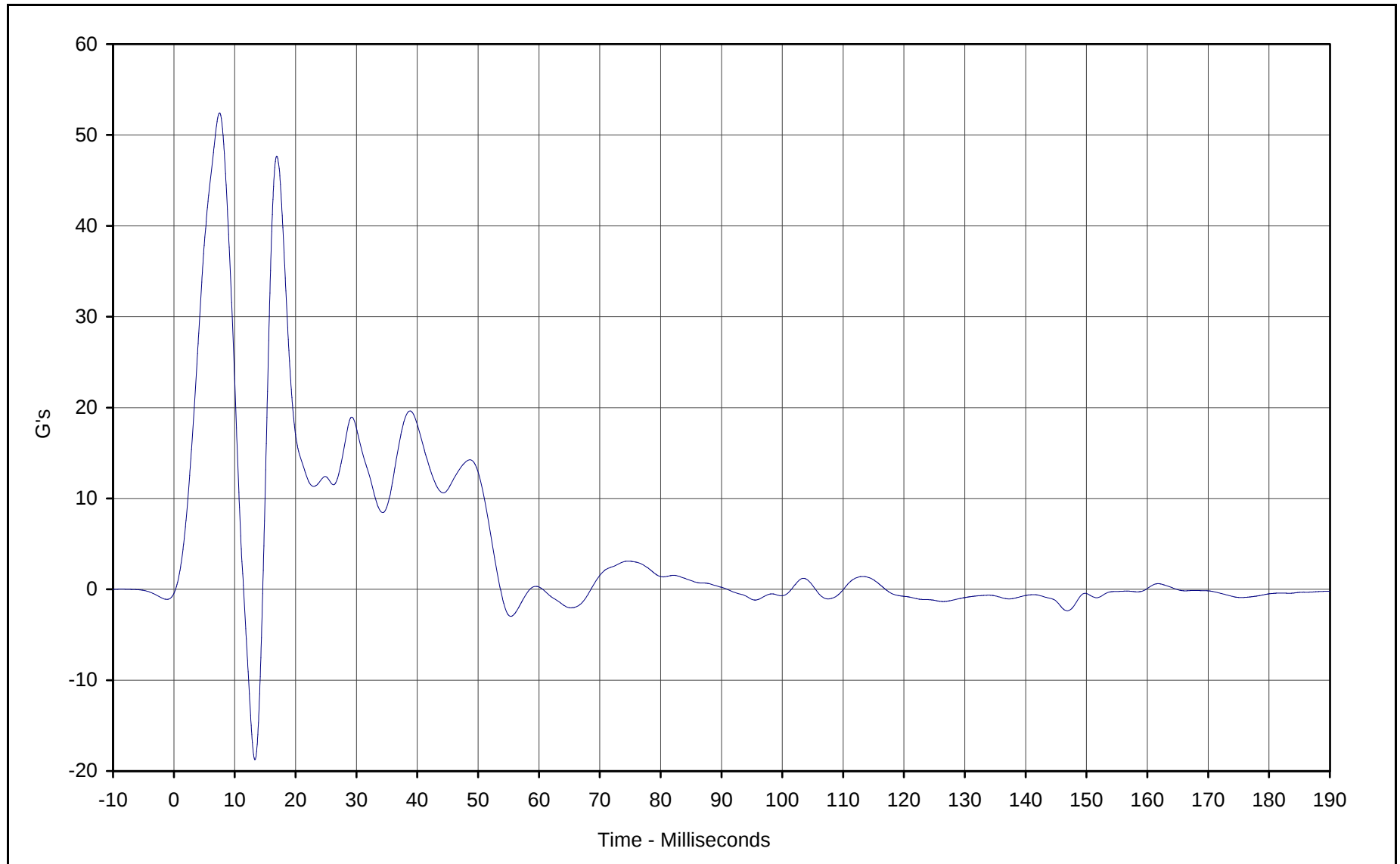




Curve Description: Rear Floor Above Axle Resultant
Maximum Value: 35.8 at 9.0 Milliseconds
Minimum Value: 0.1 at 1.5 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: RES-033

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

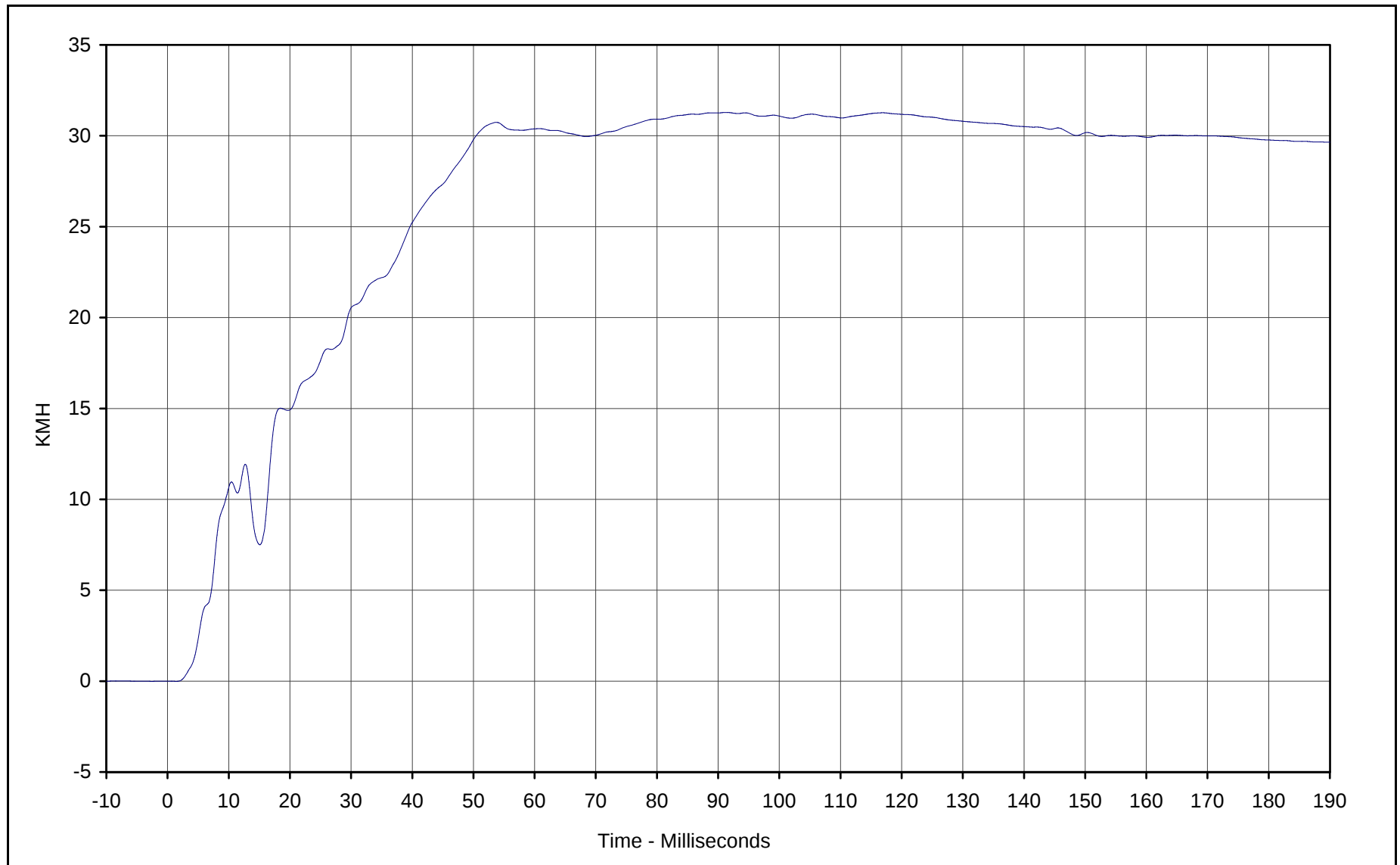




Curve Description: Left Sill at Rear Door Y
Maximum Value: 52.4 at 7.5 Milliseconds
Minimum Value: -18.8 at 13.3 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-036

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

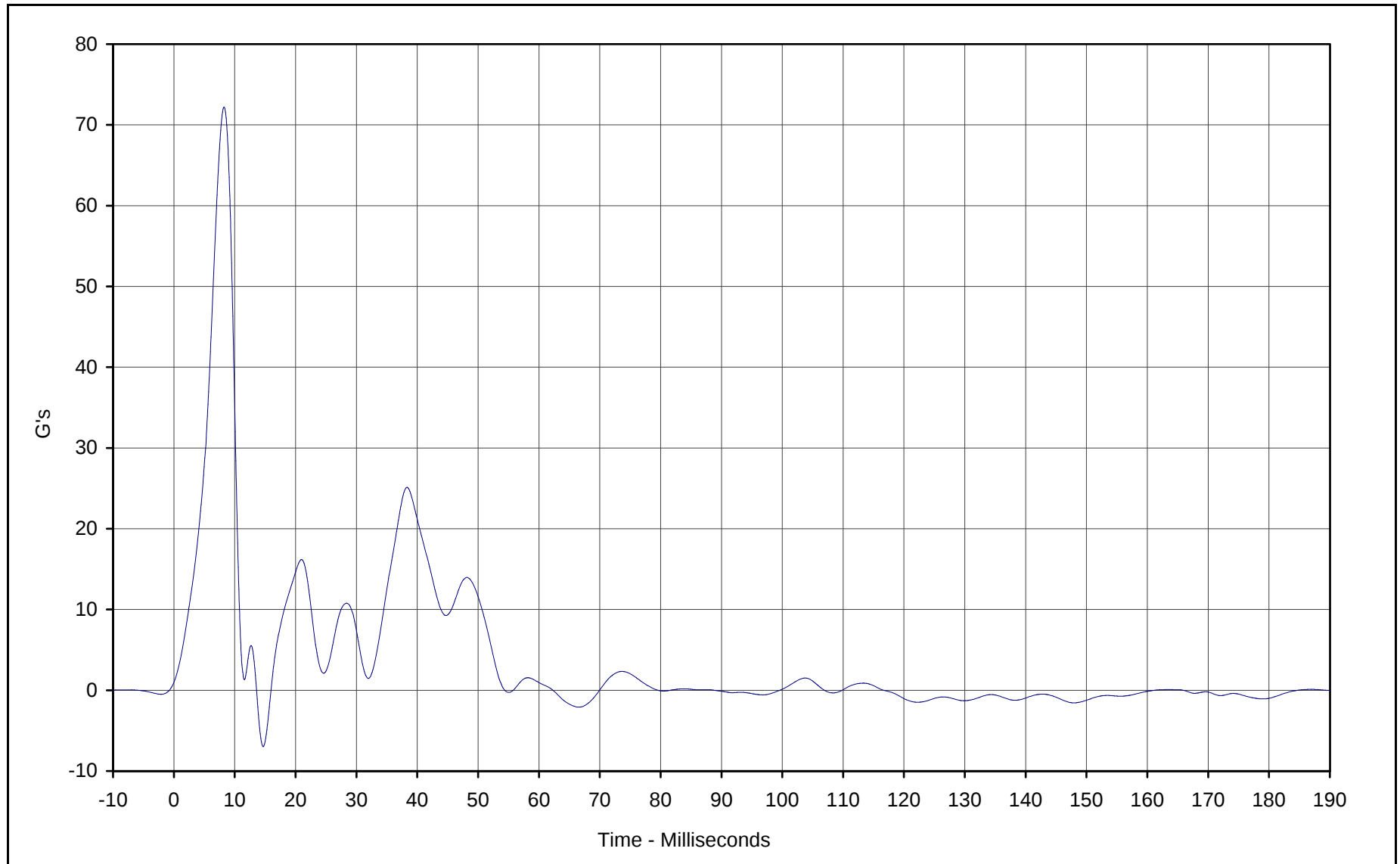




Curve Description: Left Sill at Rear Door Y Velocity
Maximum Value: 31.3 at 91.3 Milliseconds
Minimum Value: 0.0 at 1.4 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-036

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

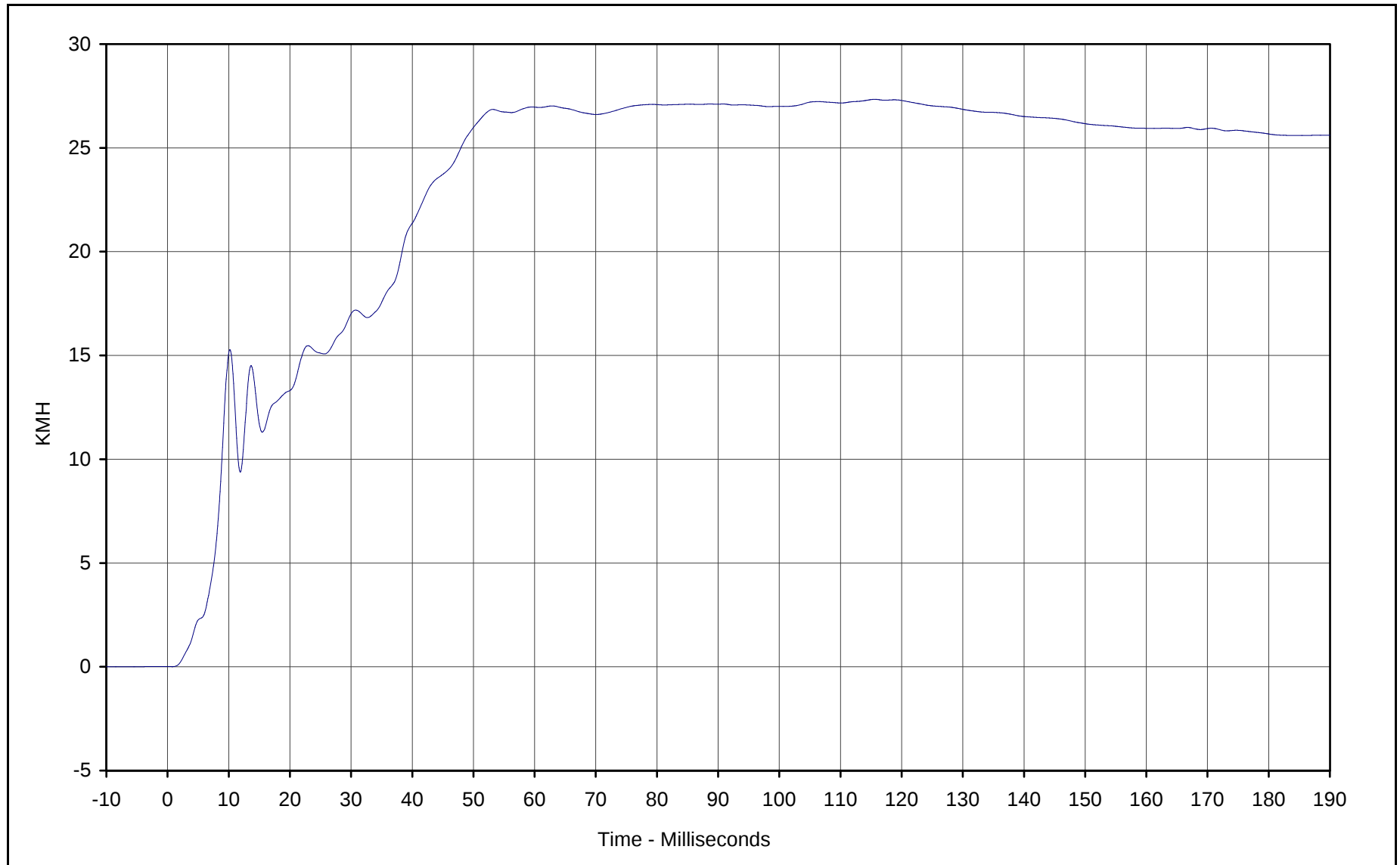




Curve Description: Left Sill at Front Door Y
Maximum Value: 72.2 at 8.3 Milliseconds
Minimum Value: -7.0 at 14.7 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-037

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

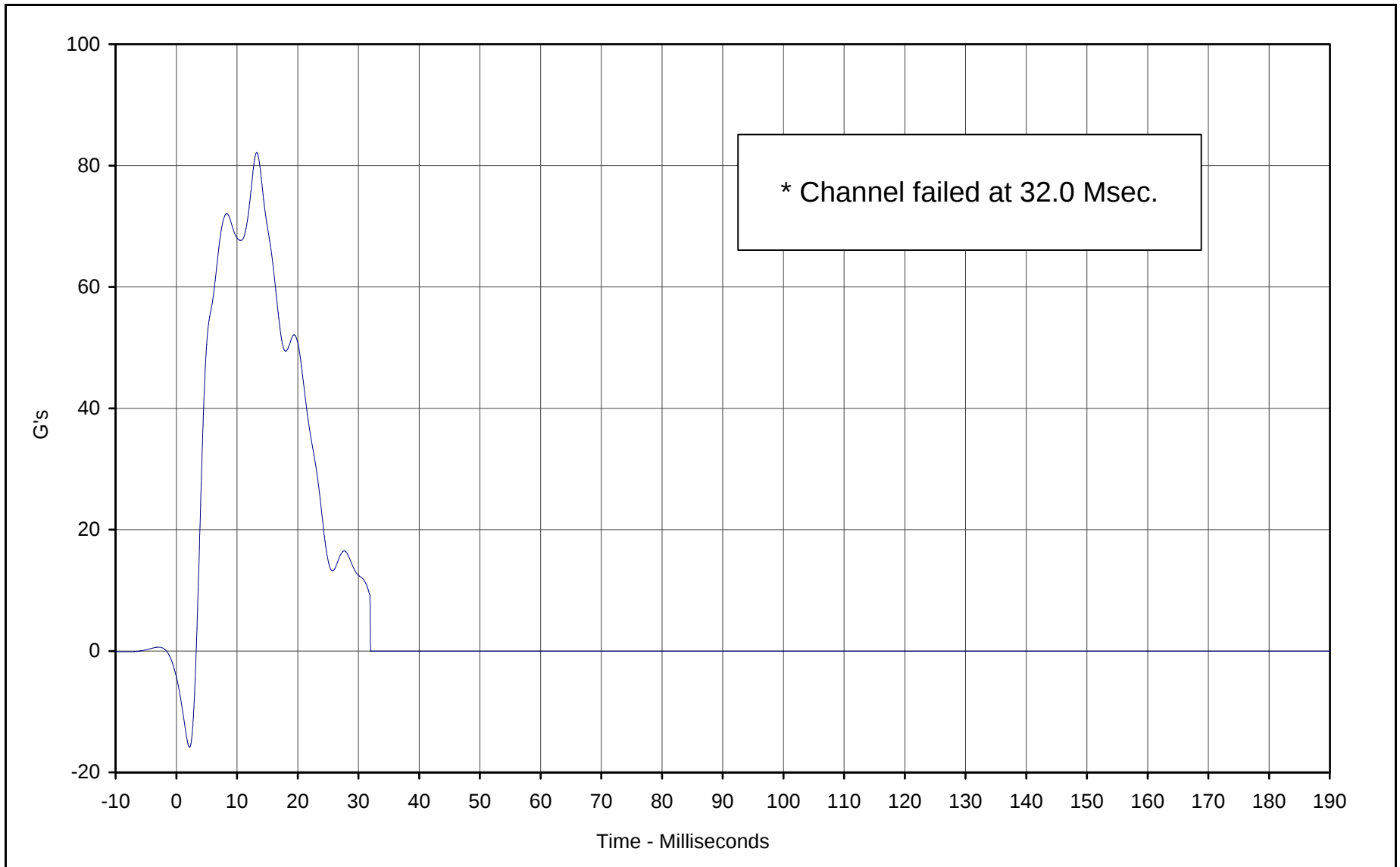




Curve Description: Left Sill at Front Door Y Velocity
Maximum Value: 27.3 at 115.6 Milliseconds
Minimum Value: 0.0 at 0.7 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-037

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Left Front Door Centerline Y *

Maximum Value: 82.1 at 13.3 Milliseconds

Minimum Value: -15.9 at 2.2 Milliseconds

SAE Filter Class: 60

Date of Test: 1/30/02

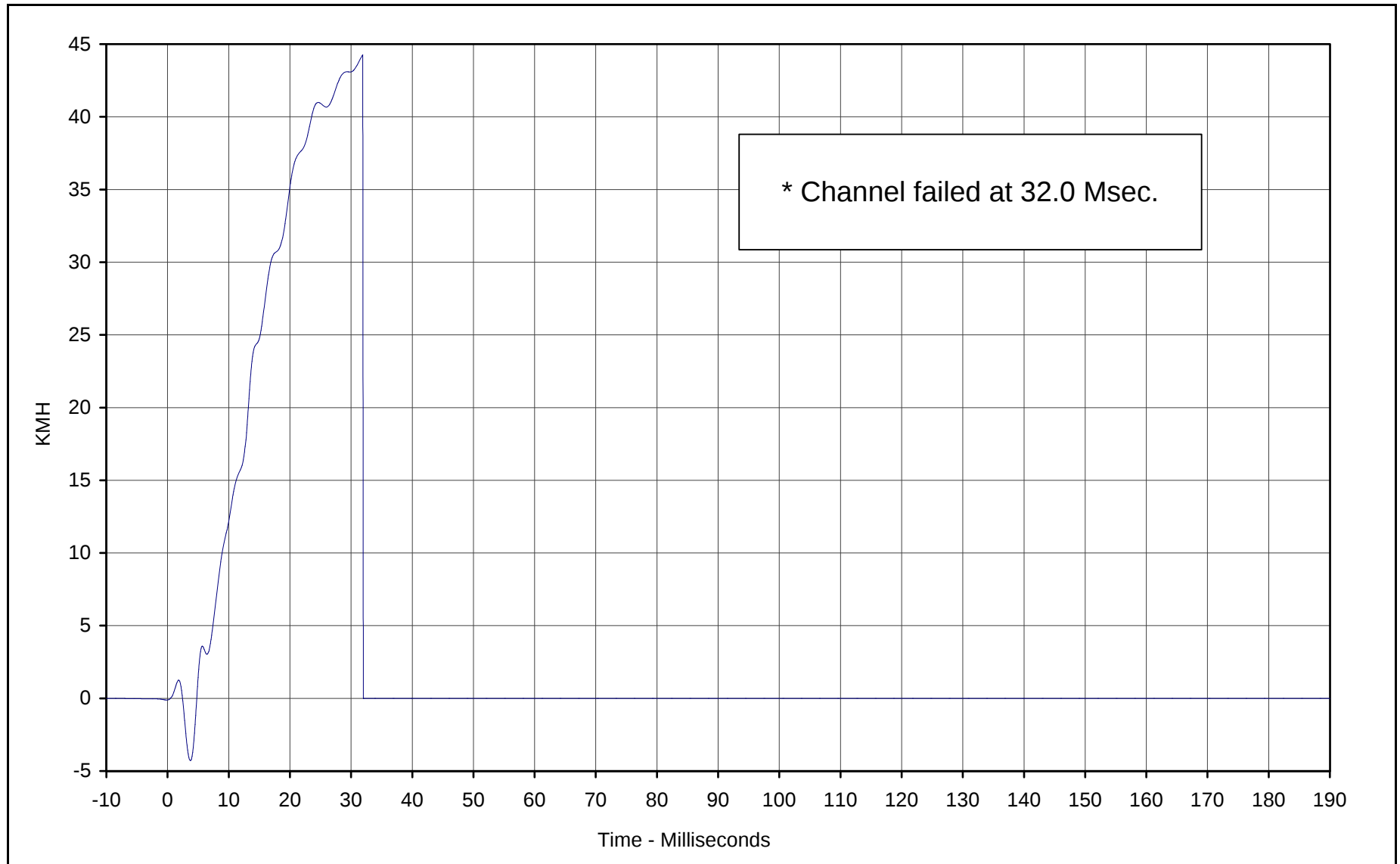
Curve Number: FIL-038

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

* Channel failed at 32.0 Msec.





Curve Description: Left Front Door CL Y Velocity *

Maximum Value: 44.3 at 31.9 Milliseconds

Minimum Value: -4.3 at 3.7 Milliseconds

SAE Filter Class: 180

Date of Test: 1/30/02

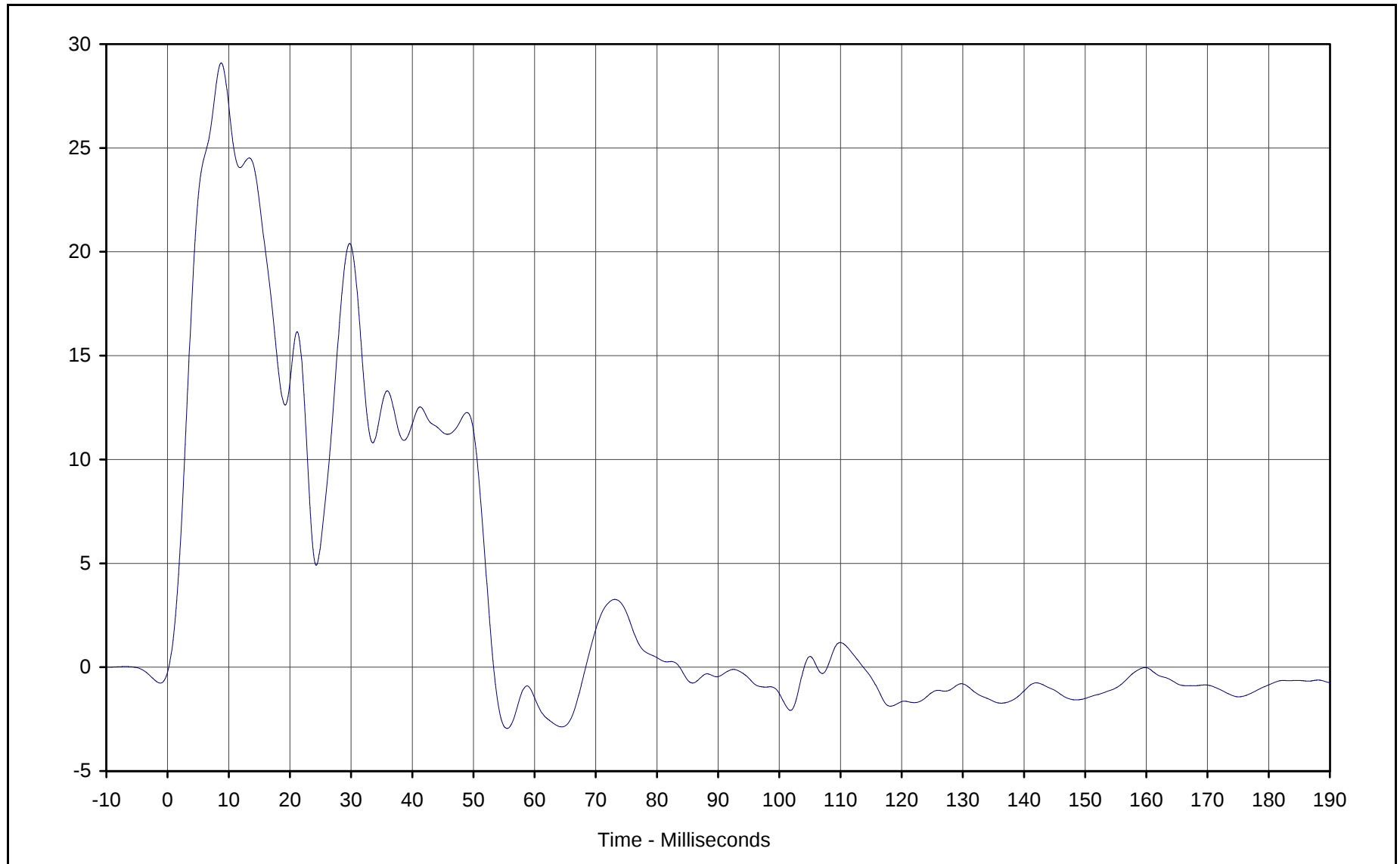
Curve Number: IN1-038

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

* Channel failed at 32.0 Msec.

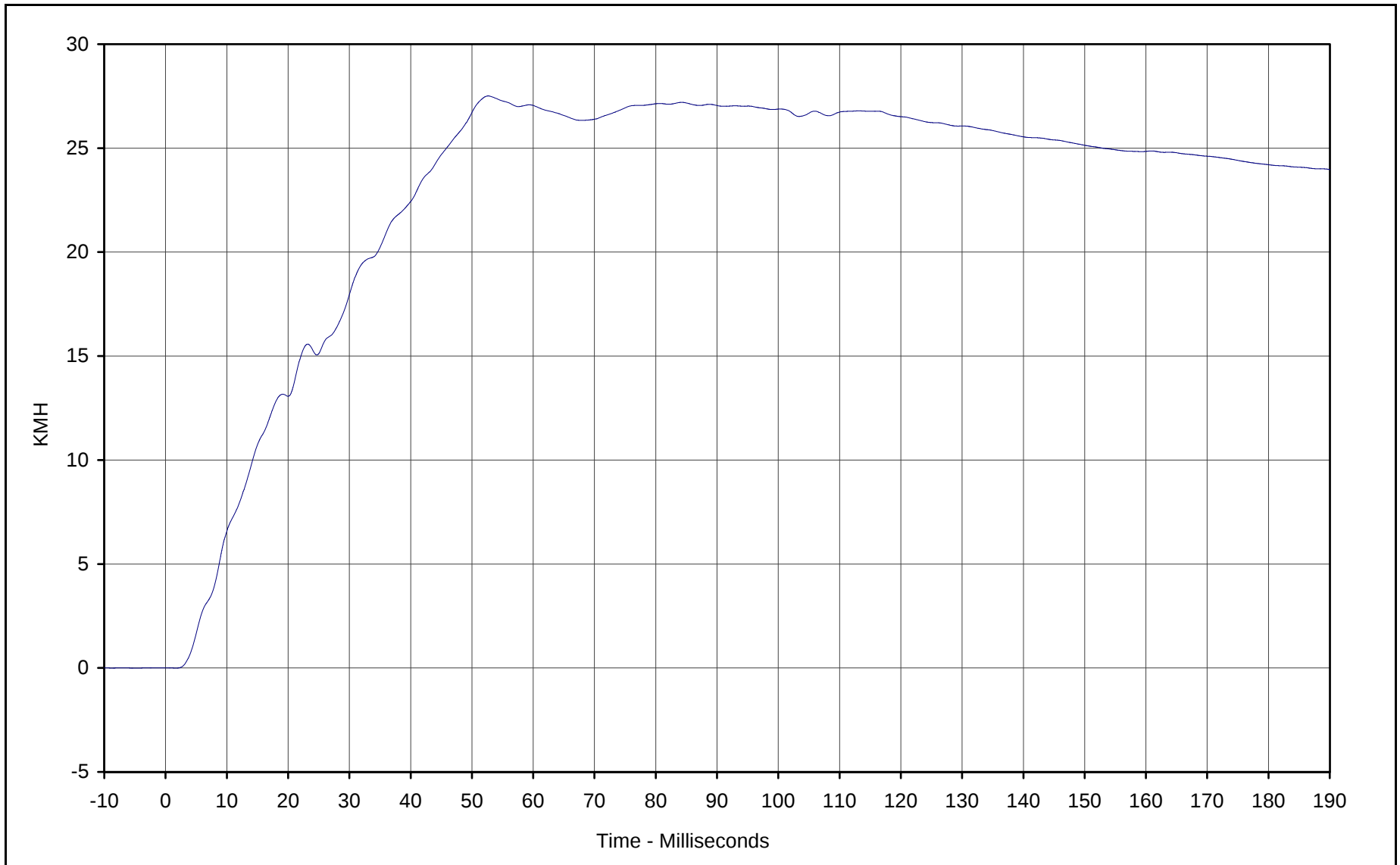




Curve Description: Right Rear Occ. Compartment Y
Maximum Value: 29.1 at 8.8 Milliseconds
Minimum Value: -2.9 at 55.5 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-039

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

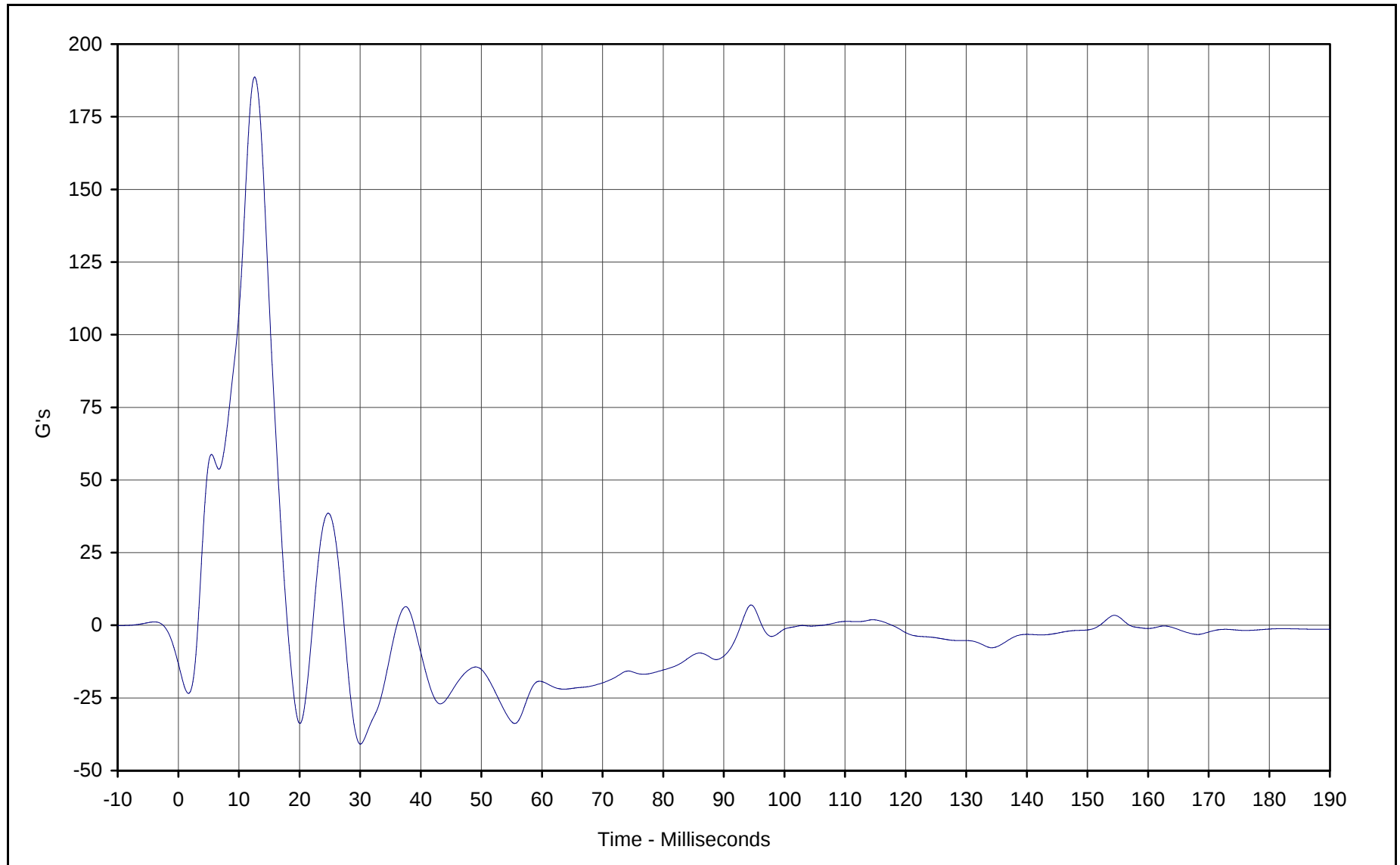




Curve Description: Right Rear Occ. Comp. Y Velocity
Maximum Value: 27.5 at 52.6 Milliseconds
Minimum Value: 0.0 at 1.8 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-039

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

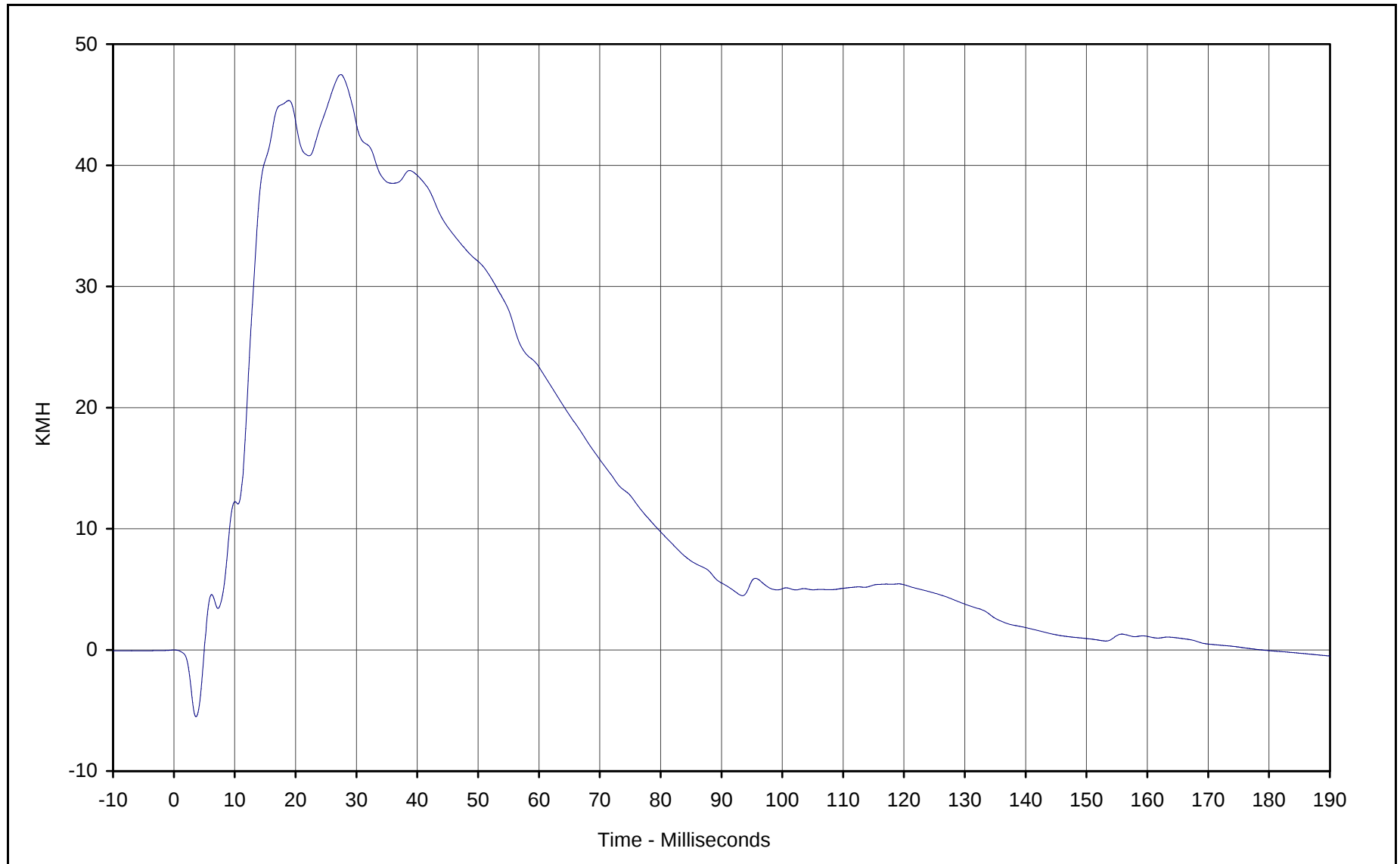




Curve Description: Left Front Door Mid Rear Y
Maximum Value: 188.7 at 12.6 Milliseconds
Minimum Value: -40.9 at 30.0 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-040

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Left Front Door Mid Rear Y Velocity

Maximum Value: 47.5 at 27.4 Milliseconds

Minimum Value: -5.5 at 3.7 Milliseconds

SAE Filter Class: 180

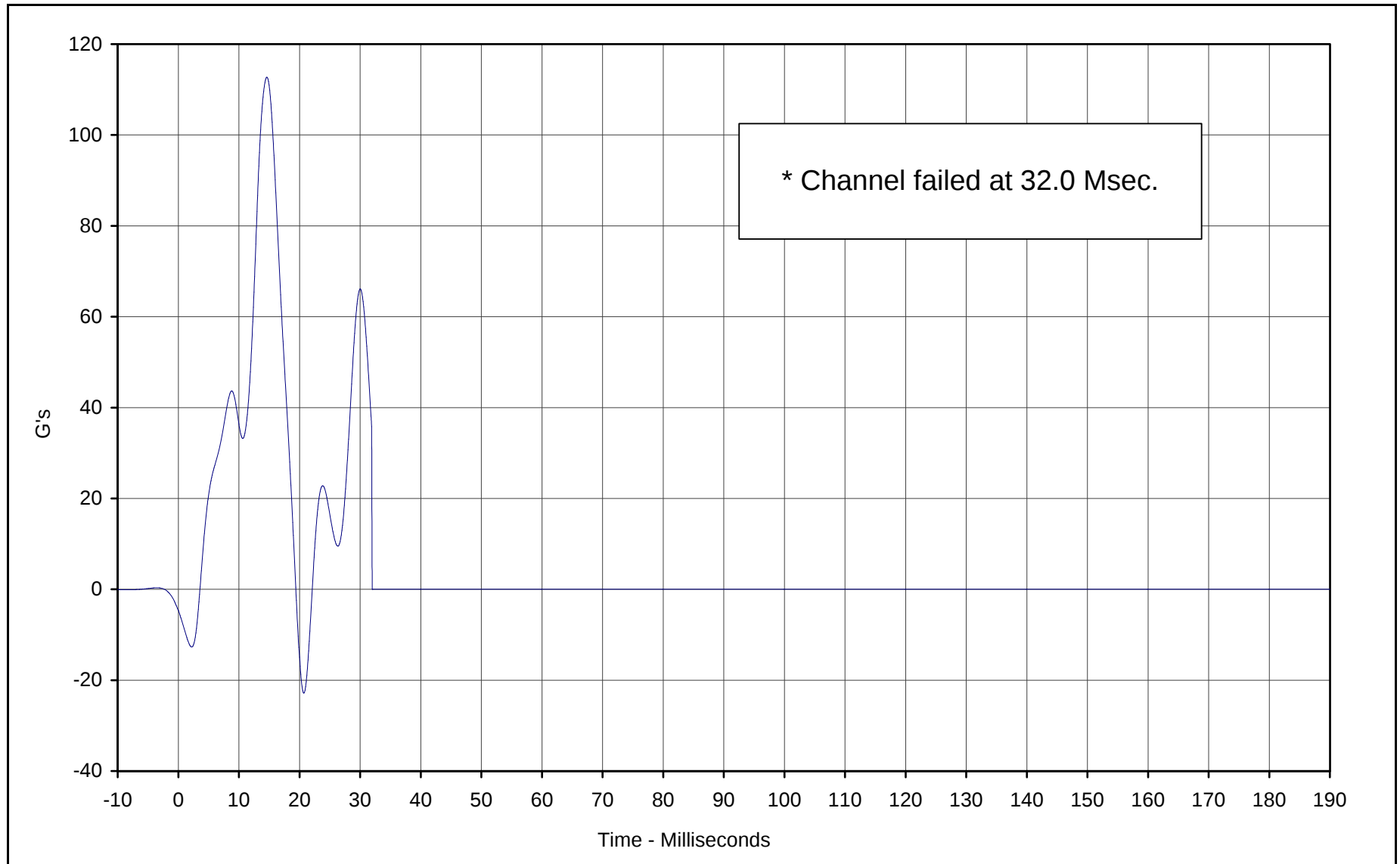
Date of Test: 1/30/02

Curve Number: IN1-040

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Left Front Door Upper CL Y *

Maximum Value: 112.7 at 14.6 Milliseconds

Minimum Value: -22.9 at 20.7 Milliseconds

SAE Filter Class: 60

Date of Test: 1/30/02

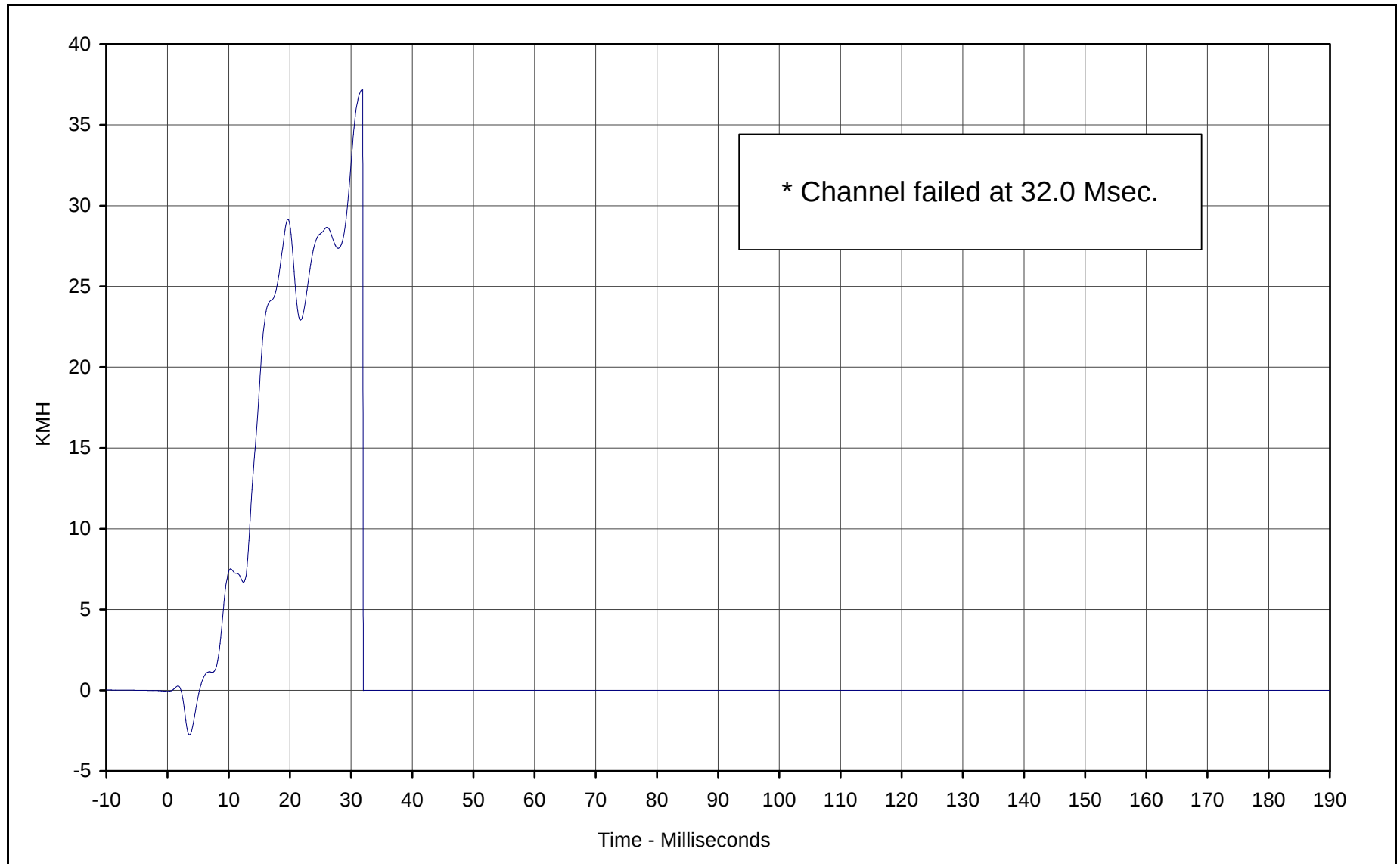
Curve Number: FIL-041

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

* Channel failed at 32.0 Msec.





Curve Description: Left Front Door Upper CL Y Velocity *

Maximum Value: 37.2 at 31.9 Milliseconds

Minimum Value: -2.8 at 3.6 Milliseconds

SAE Filter Class: 180

Date of Test: 1/30/02

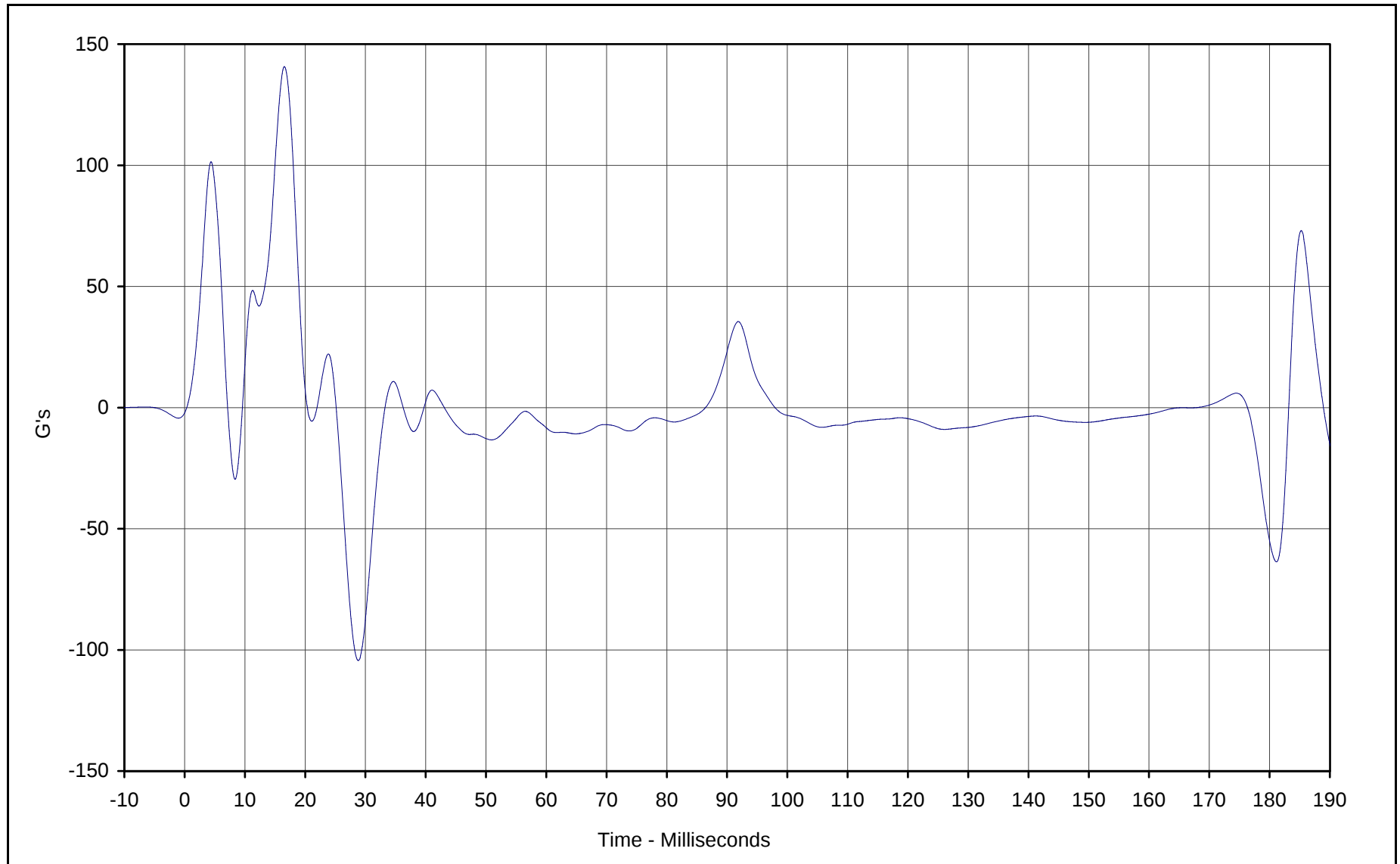
Curve Number: IN1-041

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

* Channel failed at 32.0 Msec.

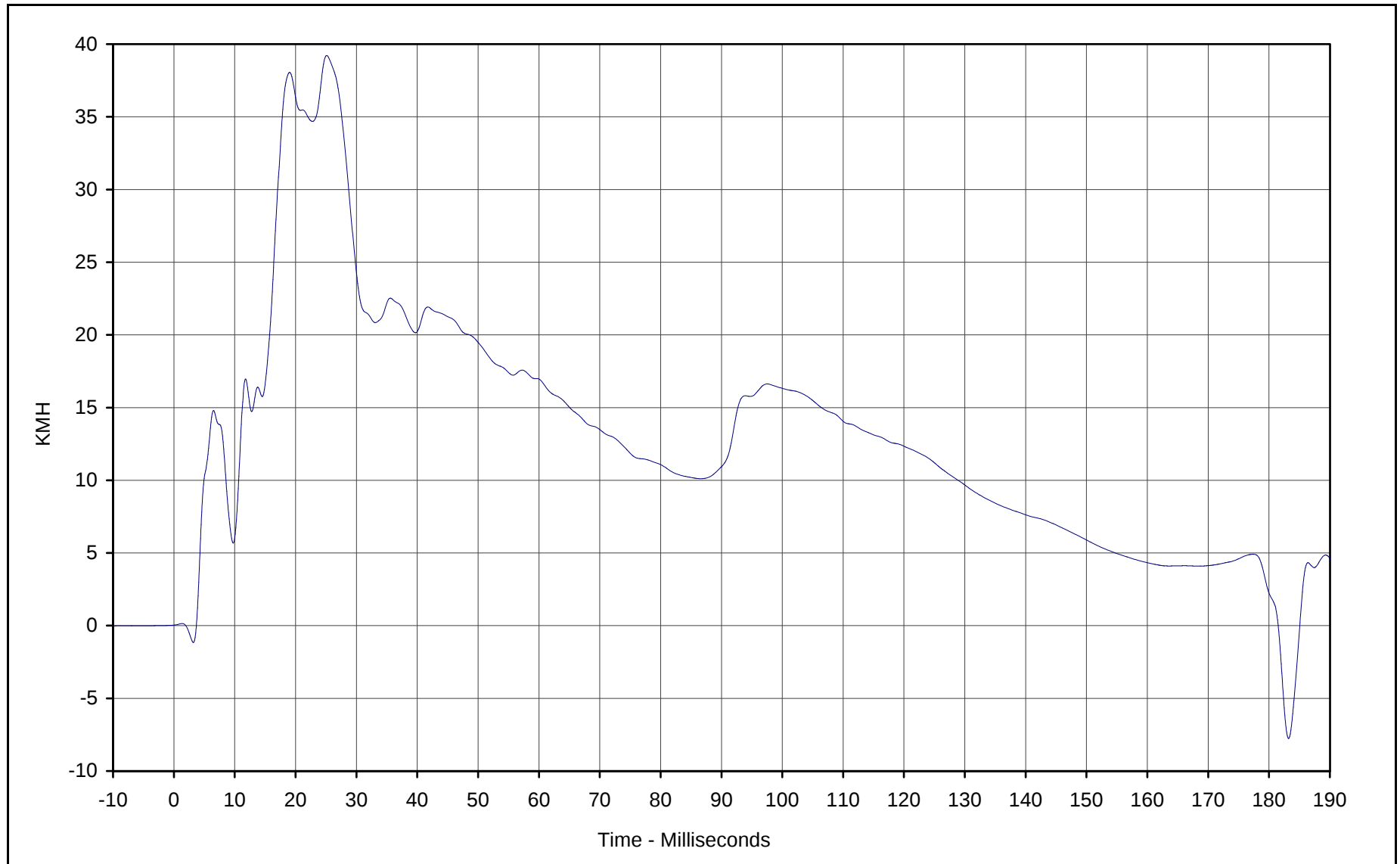




Curve Description: Left Rear Door Mid Rear Y
Maximum Value: 140.7 at 16.6 Milliseconds
Minimum Value: -104.4 at 28.8 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-042

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

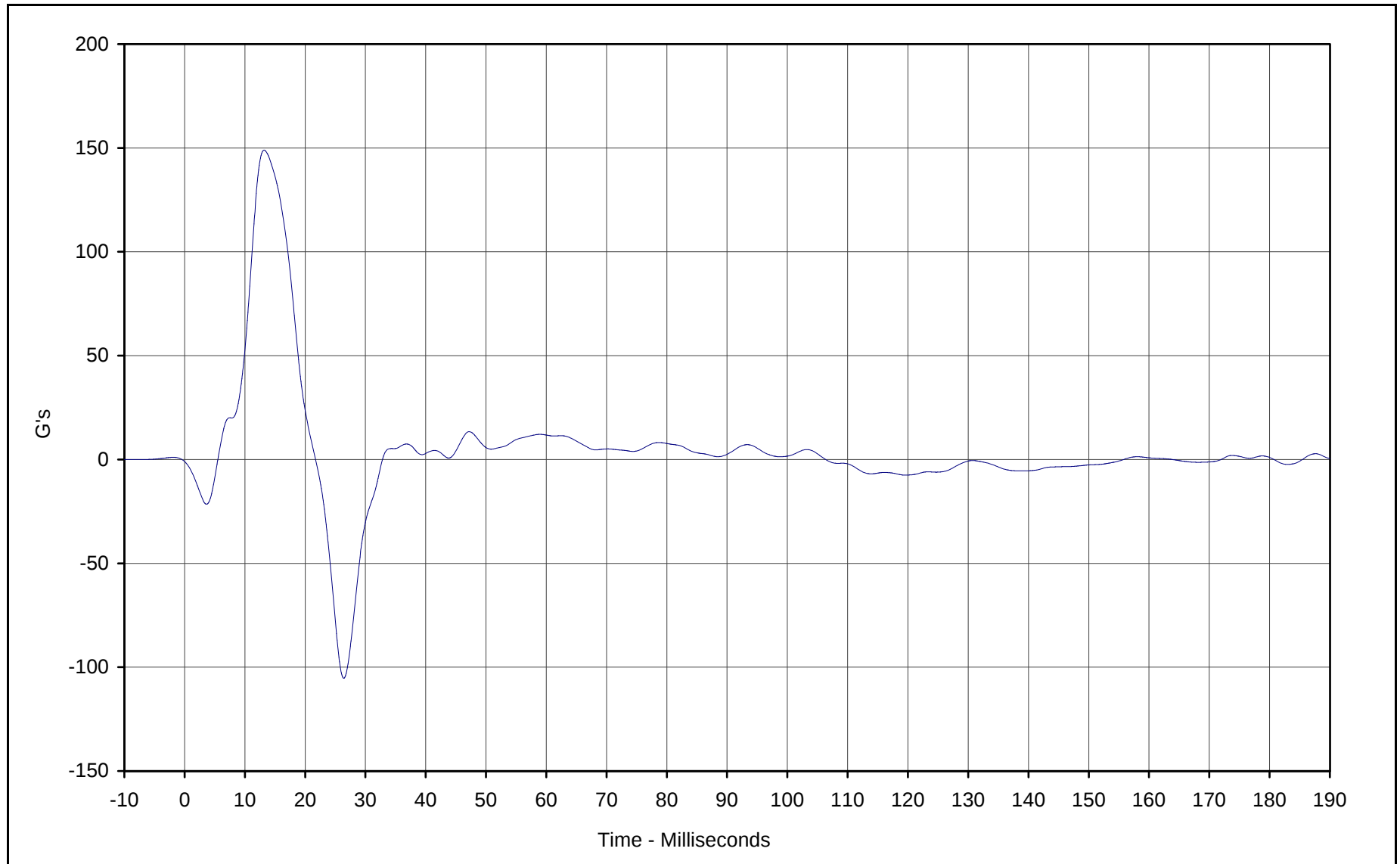




Curve Description: Left Rear Door Mid Rear Y Velocity
Maximum Value: 39.2 at 25.1 Milliseconds
Minimum Value: -7.8 at 183.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-042

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

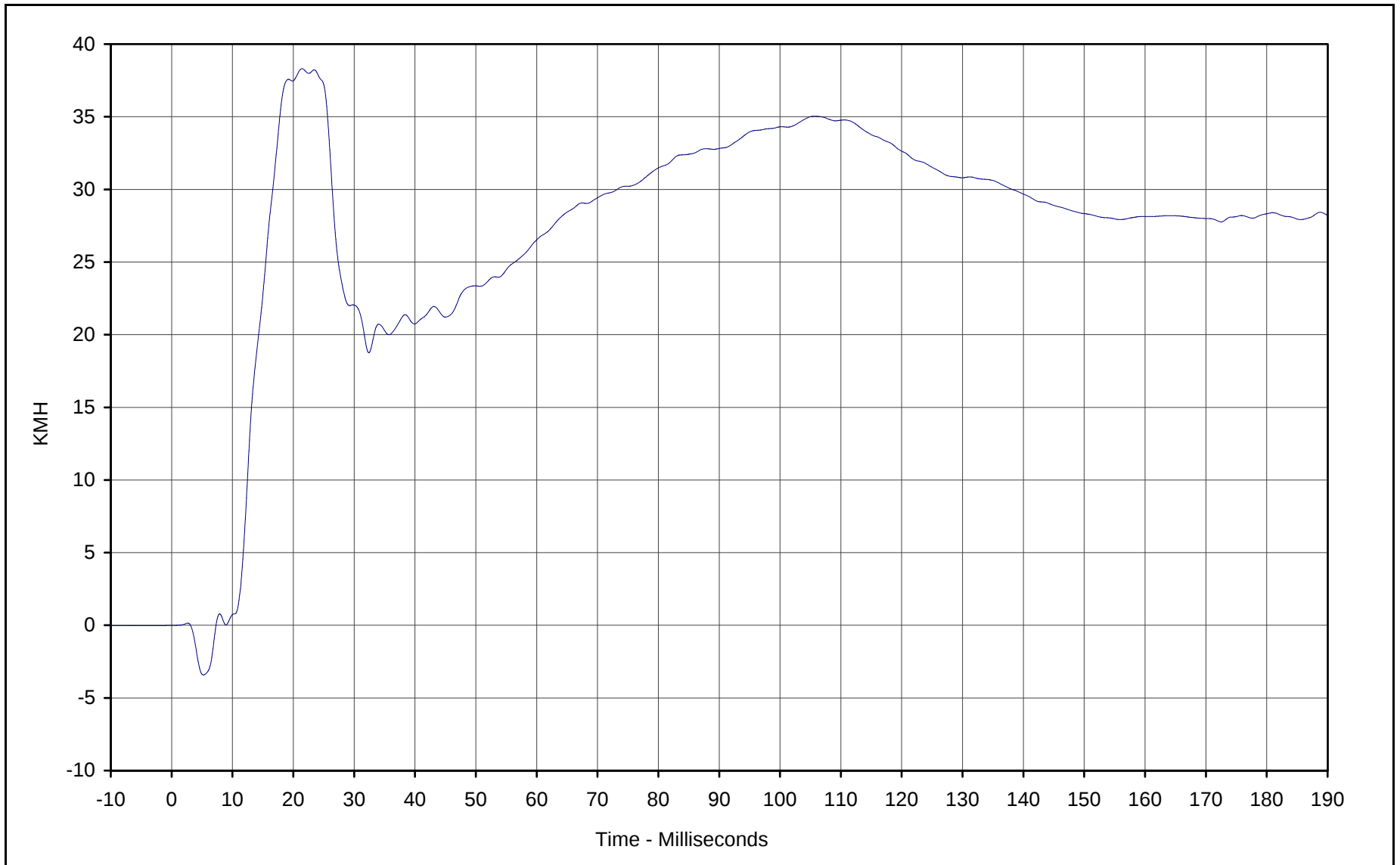




Curve Description: Left Rear Door Upper CL Y
Maximum Value: 149.0 at 13.2 Milliseconds
Minimum Value: -105.3 at 26.4 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-043

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

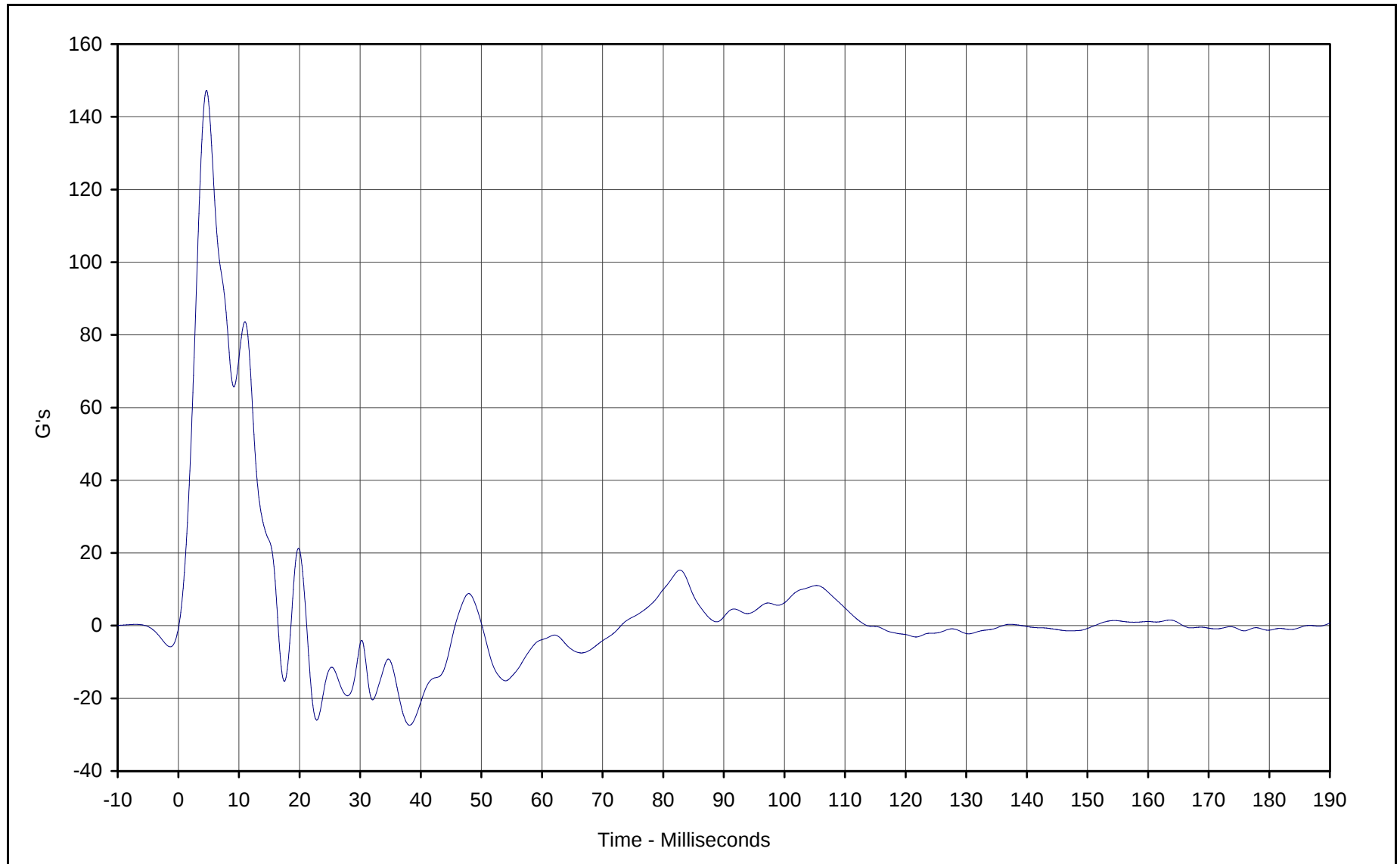




Curve Description: Left Rear Door Upper CL Y Velocity
Maximum Value: 38.3 at 21.4 Milliseconds
Minimum Value: -3.4 at 5.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-043

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

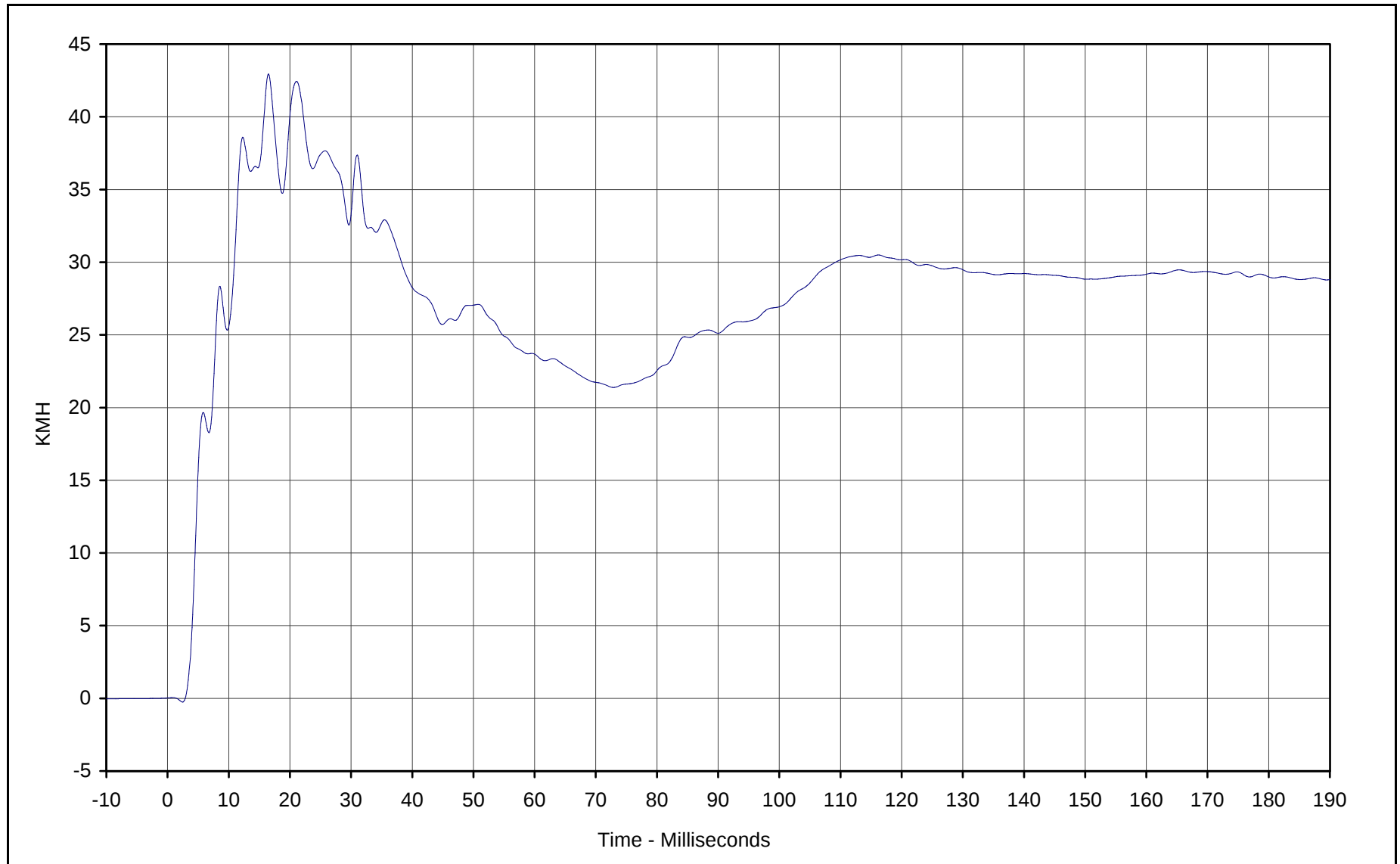




Curve Description: Left B-Post Lower Y
Maximum Value: 147.3 at 4.6 Milliseconds
Minimum Value: -27.4 at 38.2 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-044

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

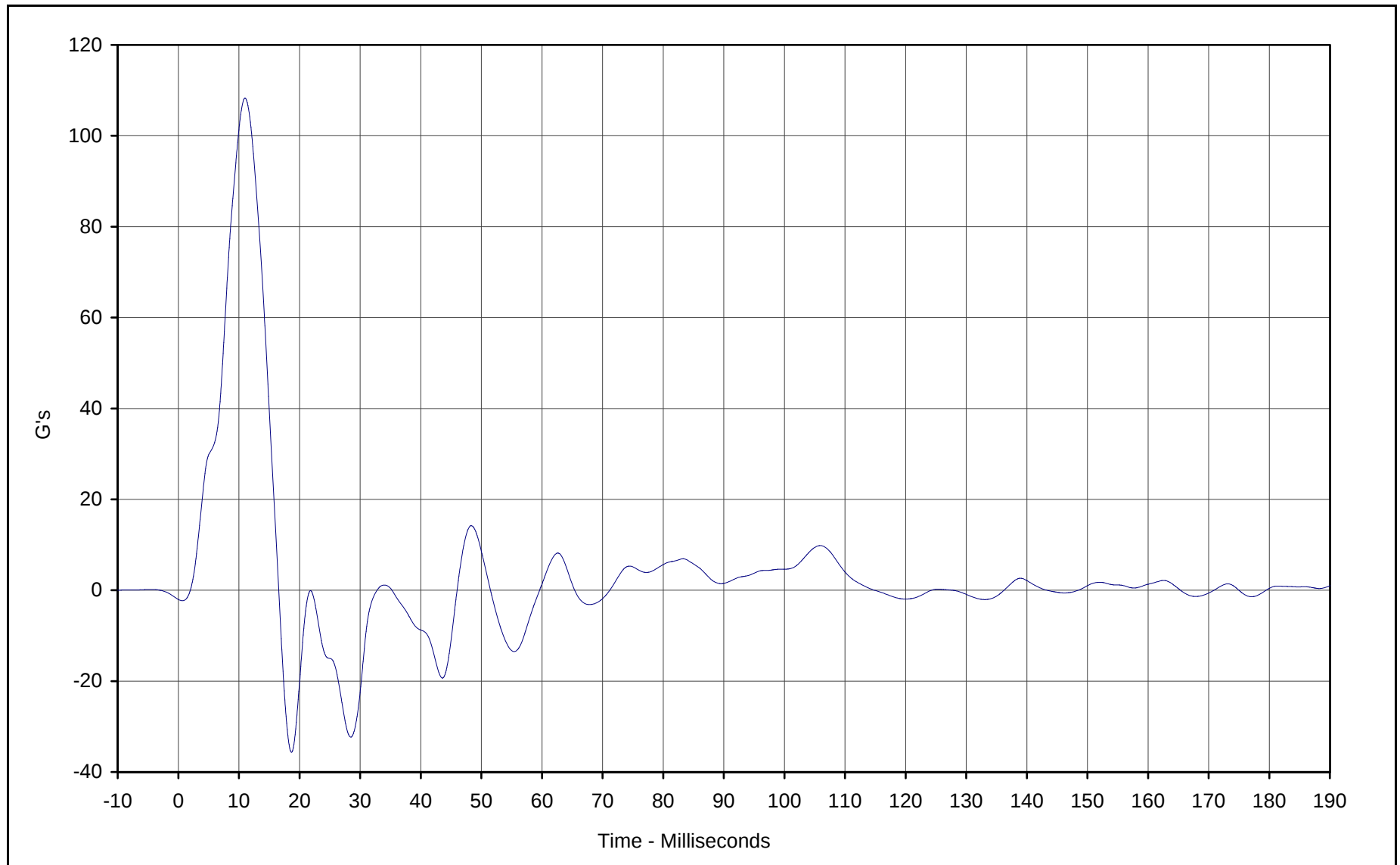




Curve Description: Left B-Post Lower Y Velocity
Maximum Value: 42.9 at 16.5 Milliseconds
Minimum Value: -0.3 at 2.5 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-044

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

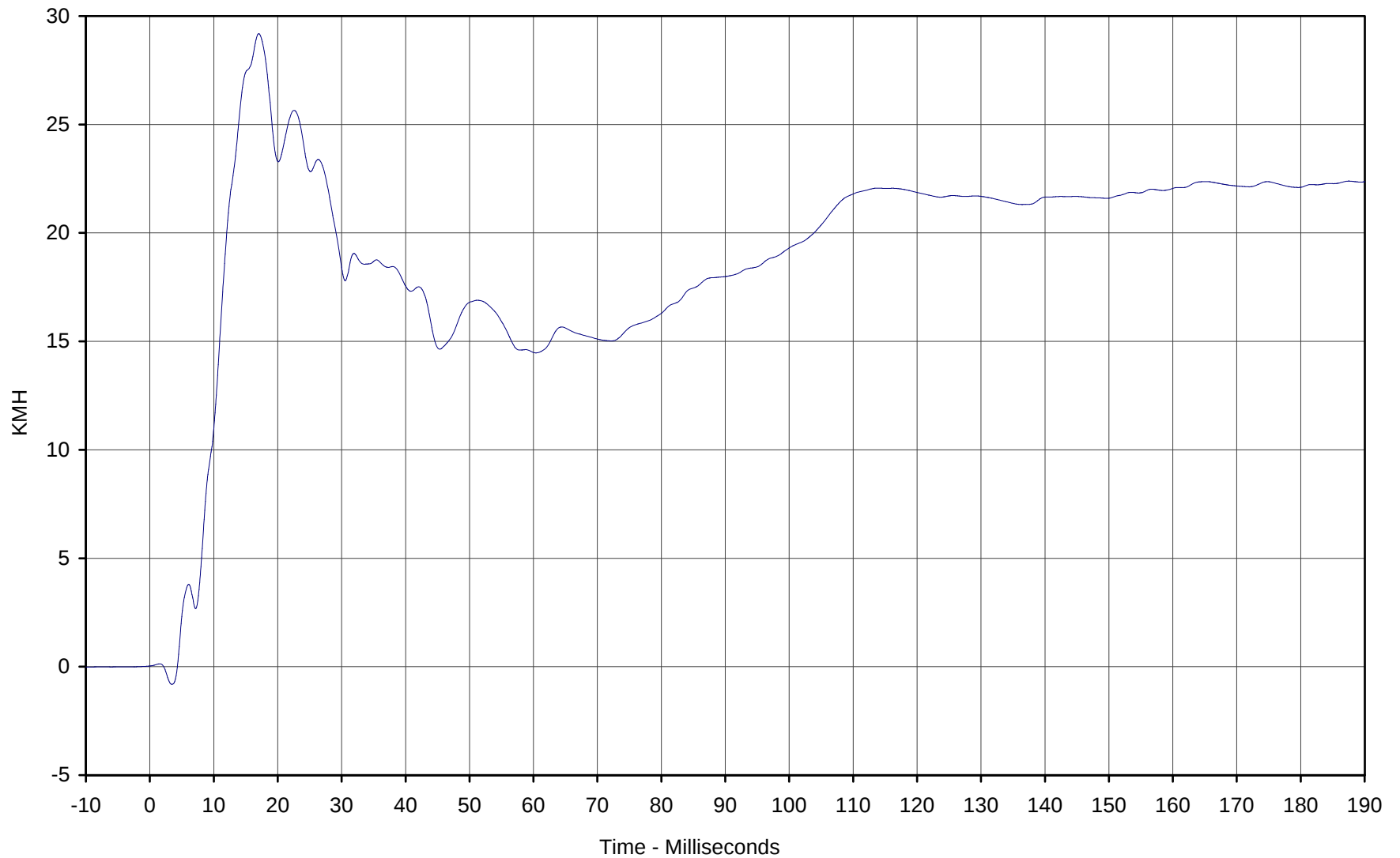




Curve Description: Left B-Post Middle Y
Maximum Value: 108.3 at 11.0 Milliseconds
Minimum Value: -35.7 at 18.7 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-045

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

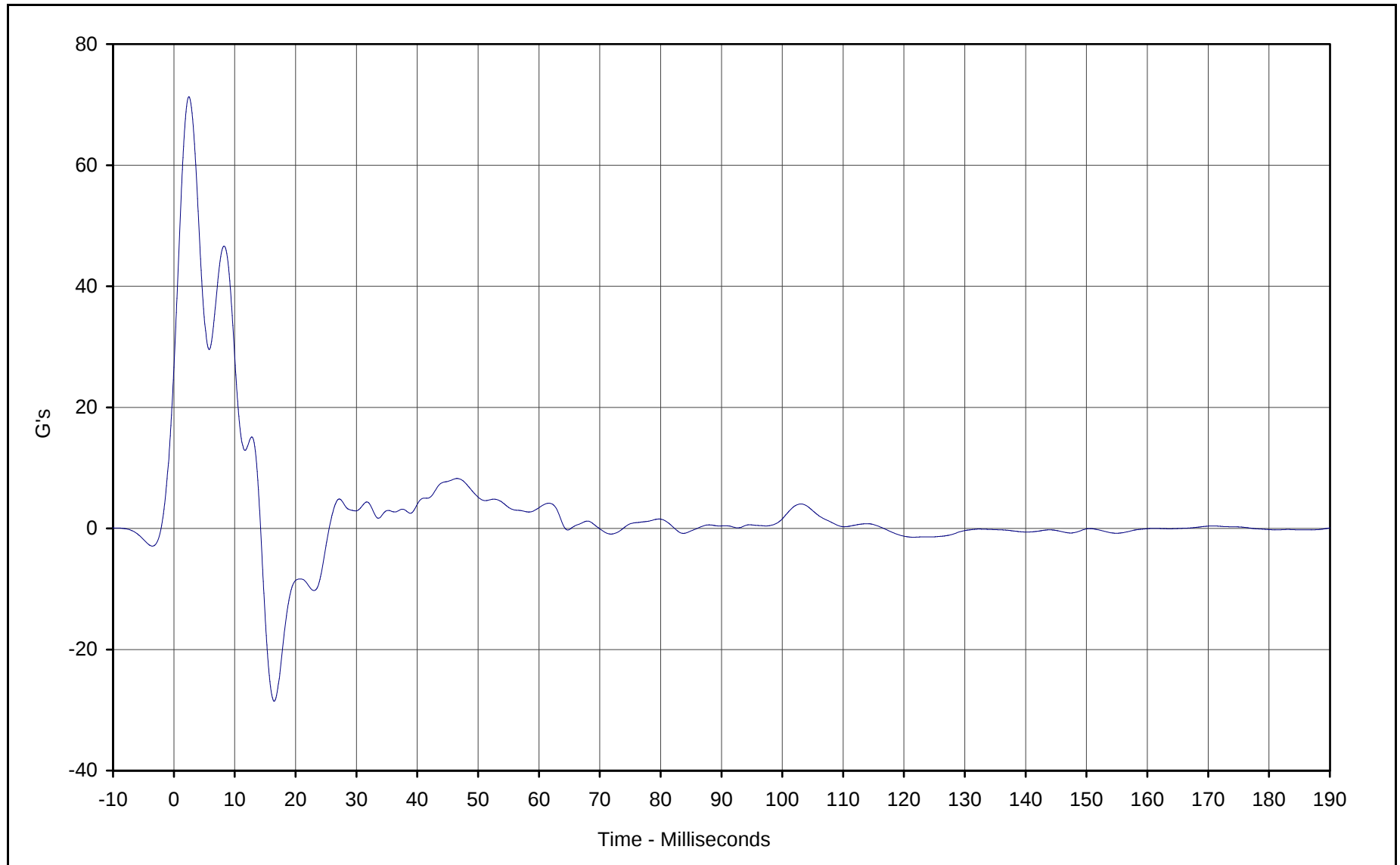




Curve Description: Left B-Post Middle Y Velocity
Maximum Value: 29.2 at 17.0 Milliseconds
Minimum Value: -0.8 at 3.5 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-045

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Left A-Post Lower Y

Maximum Value: 71.3 at 2.5 Milliseconds

Minimum Value: -28.5 at 16.5 Milliseconds

SAE Filter Class: 60

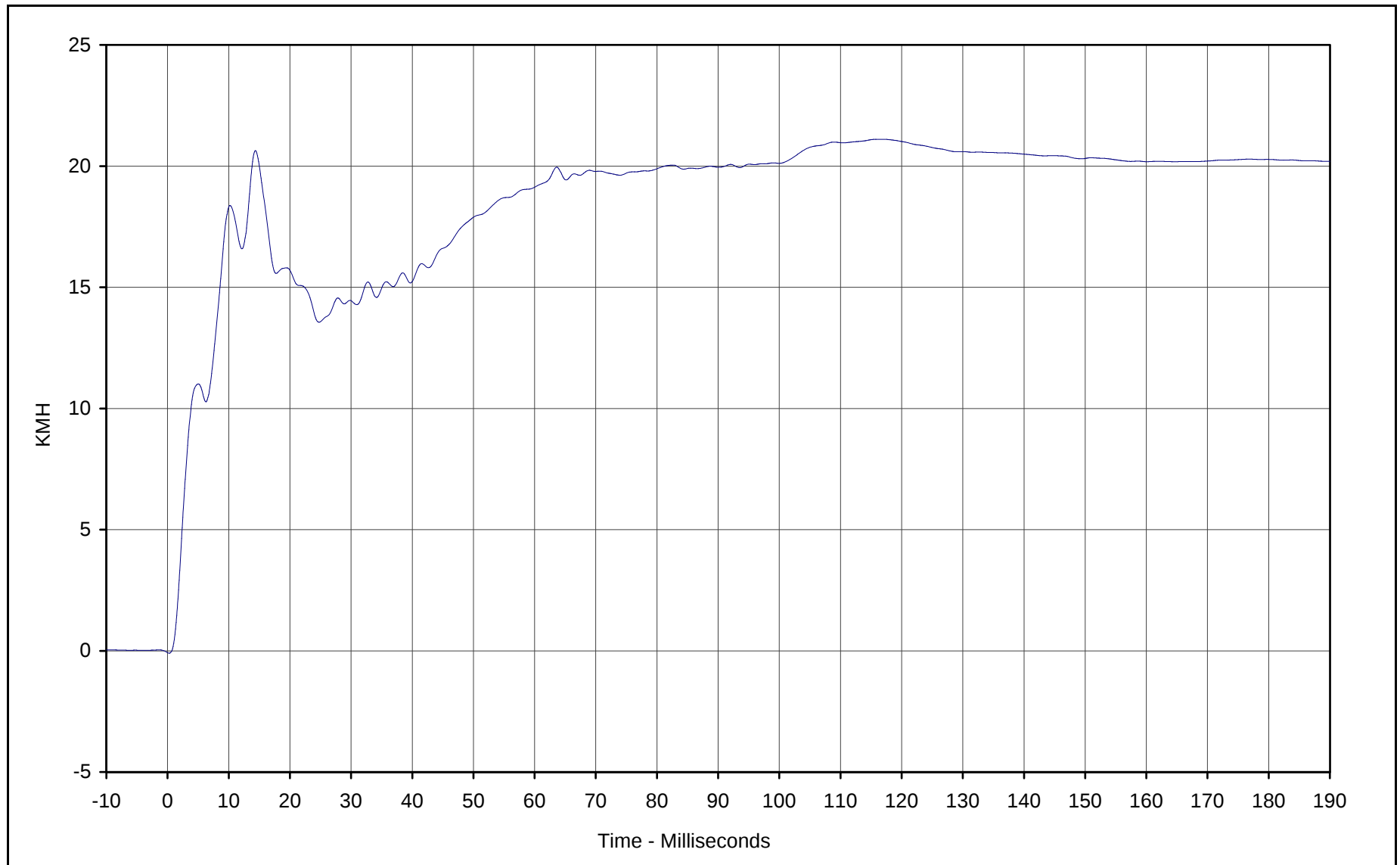
Date of Test: 1/30/02

Curve Number: FIL-046

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

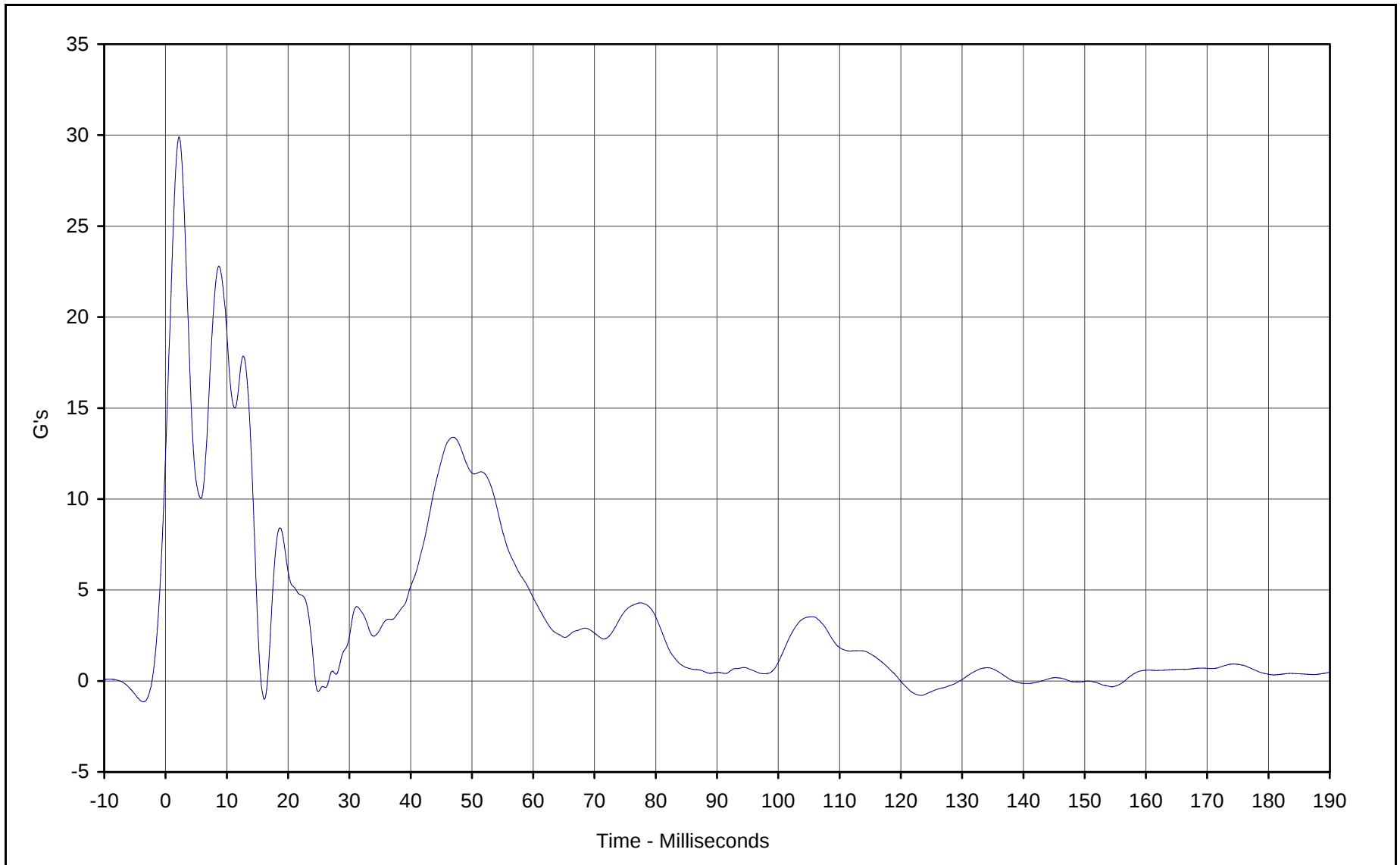




Curve Description: Left A-Post Lower Y Velocity
Maximum Value: 21.1 at 117.1 Milliseconds
Minimum Value: -0.1 at 0.3 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-046

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

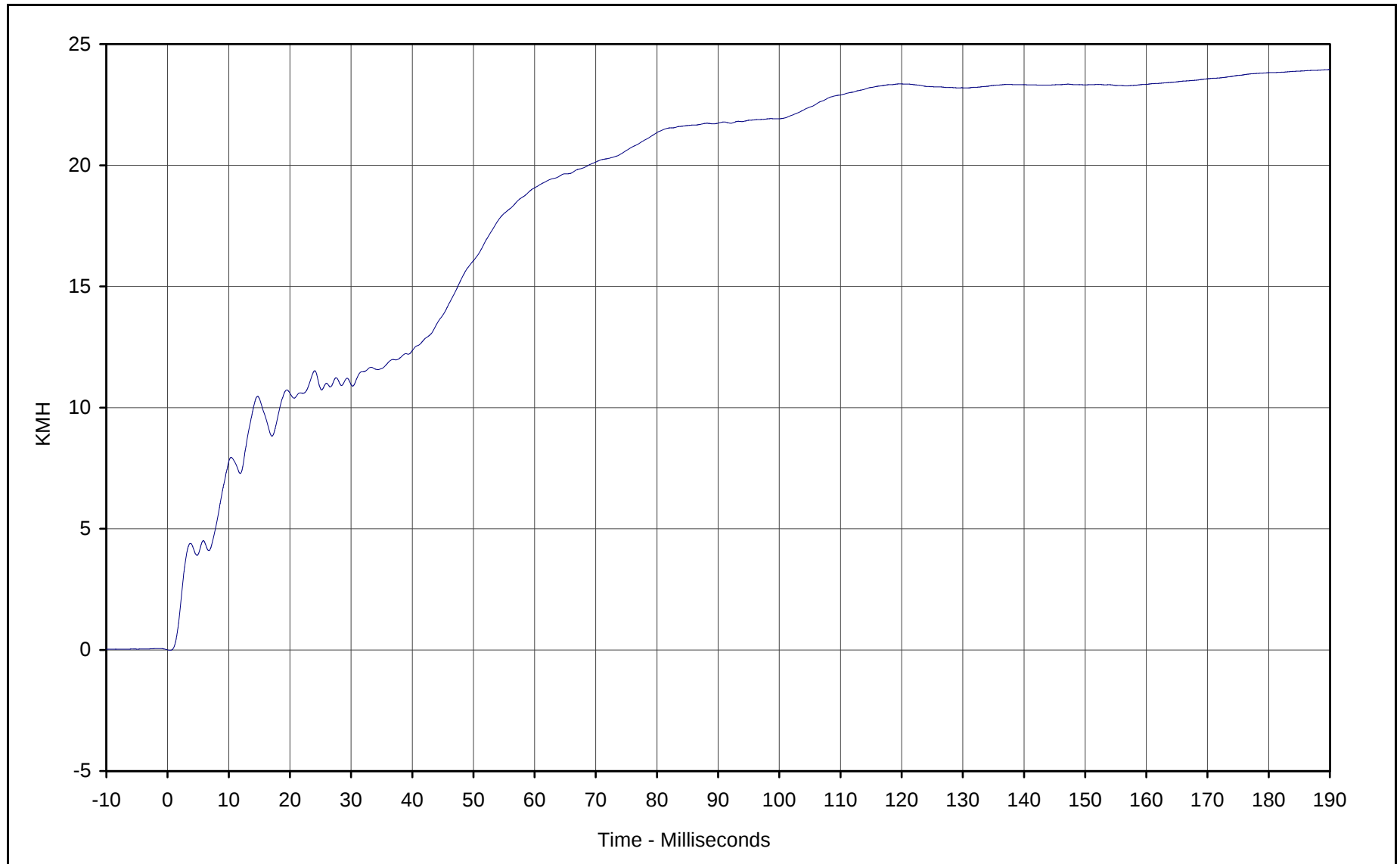




Curve Description: Left A-Post Middle Y
Maximum Value: 29.9 at 2.2 Milliseconds
Minimum Value: -1.0 at 16.1 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-047

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

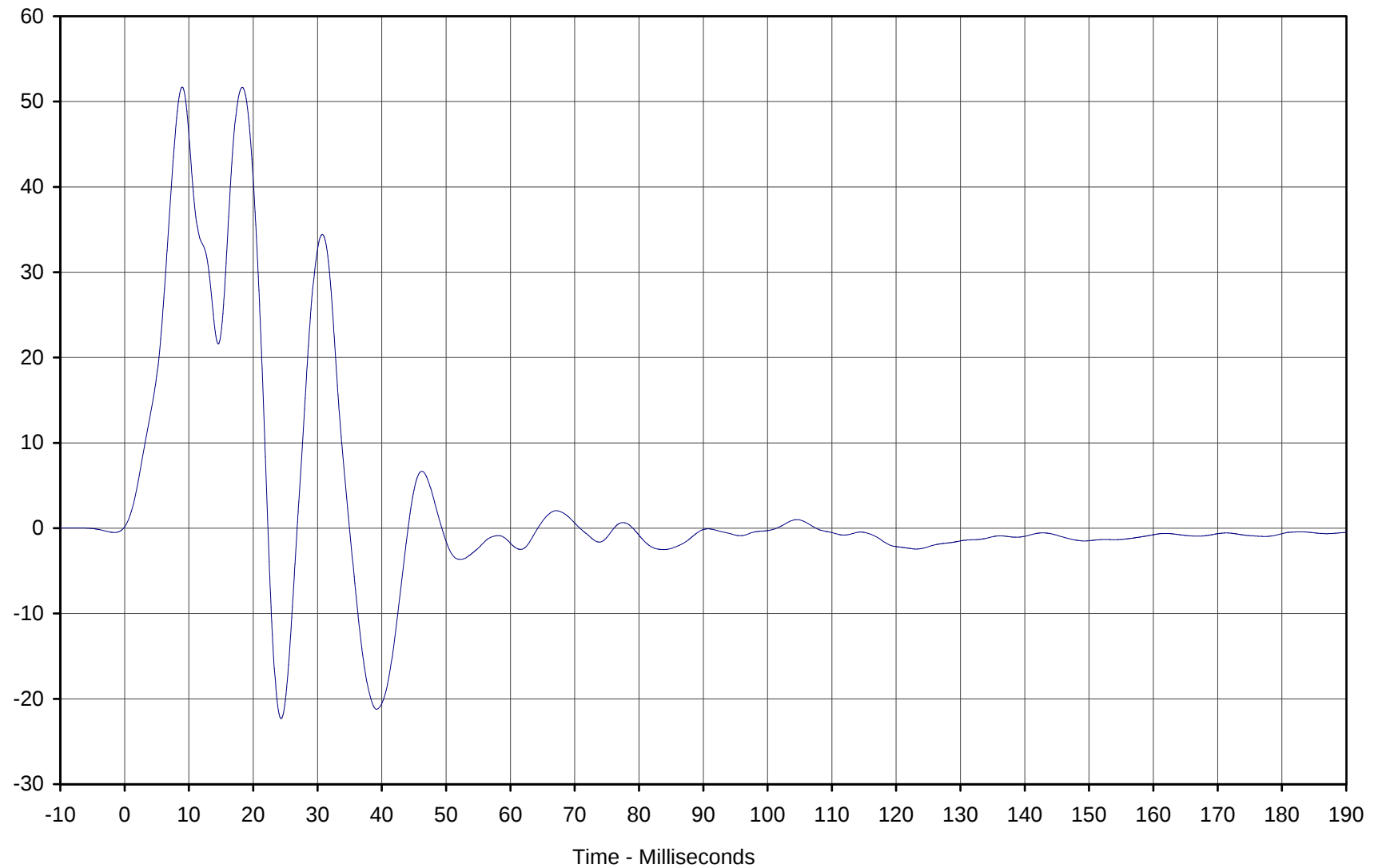




Curve Description: Left A-Post Middle Y Velocity
Maximum Value: 23.9 at 189.9 Milliseconds
Minimum Value: 0.0 at 0.4 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-047

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

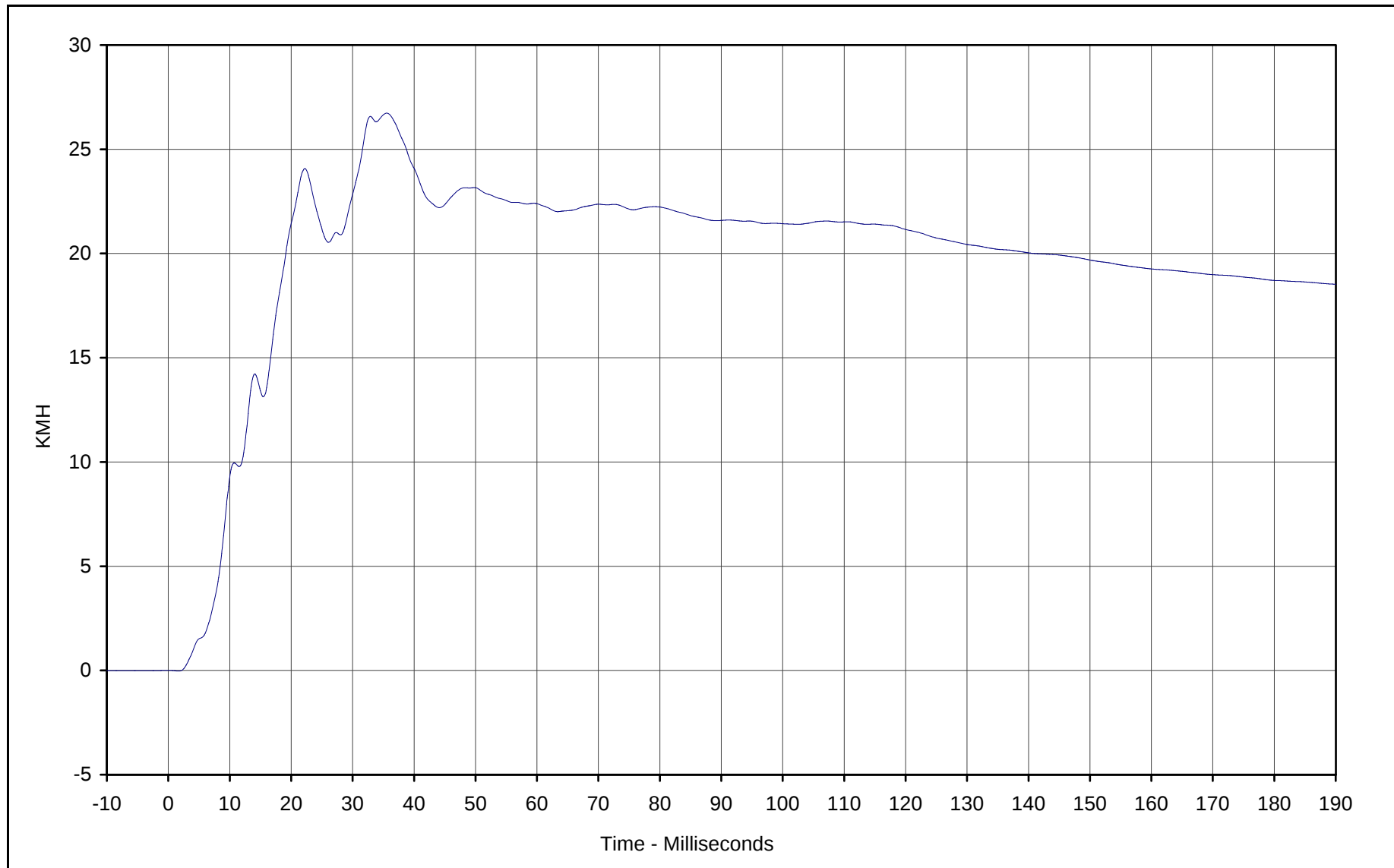




Curve Description: Left Front Seat Track Y
Maximum Value: 51.7 at 9.0 Milliseconds
Minimum Value: -22.3 at 24.3 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-048

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

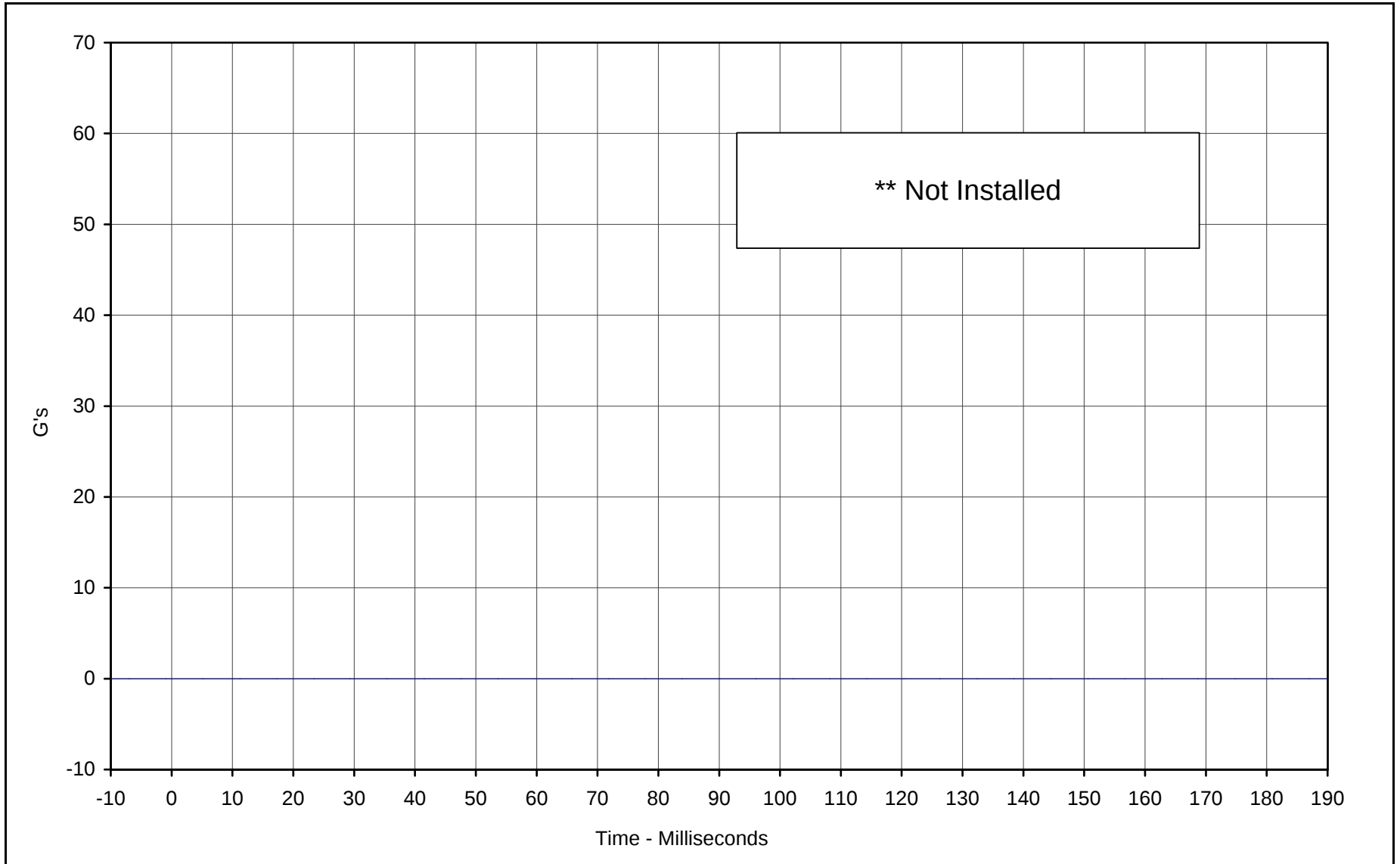




Curve Description: Left Front Seat Track Y Velocity
Maximum Value: 26.7 at 35.6 Milliseconds
Minimum Value: 0.0 at 1.7 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-048

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Left Rear Seat Structure Y **

Maximum Value: 0.0 at 0.0 Milliseconds

Minimum Value: 0.0 at 0.0 Milliseconds

SAE Filter Class: 60

Date of Test: 1/30/02

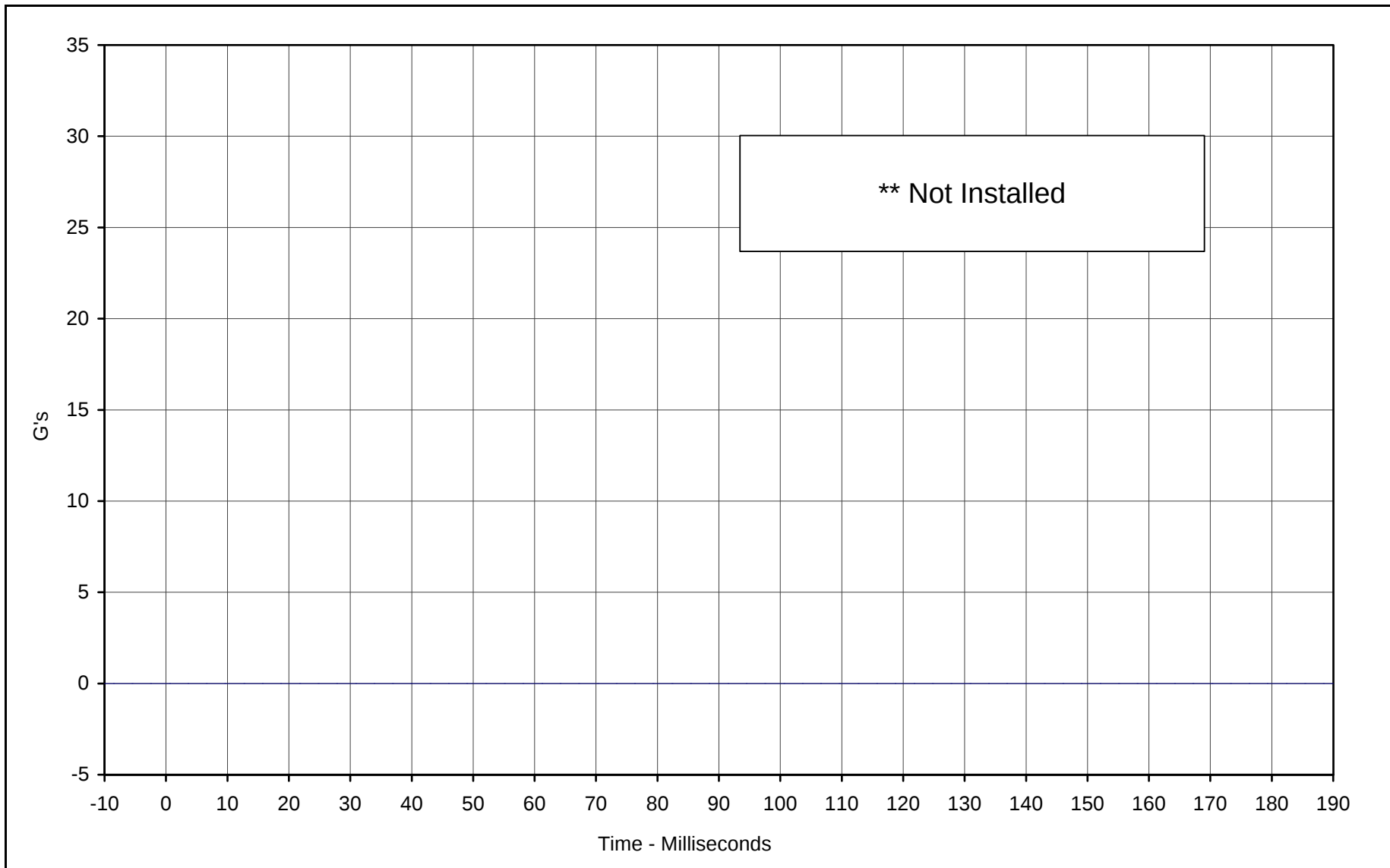
Curve Number: FIL-049

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

** Not Installed





Curve Description: Left Rear Seat Structure Y Velocity **

Maximum Value: 0.0 at 0.0 Milliseconds

Minimum Value: 0.0 at 0.0 Milliseconds

SAE Filter Class: 180

Date of Test: 1/30/02

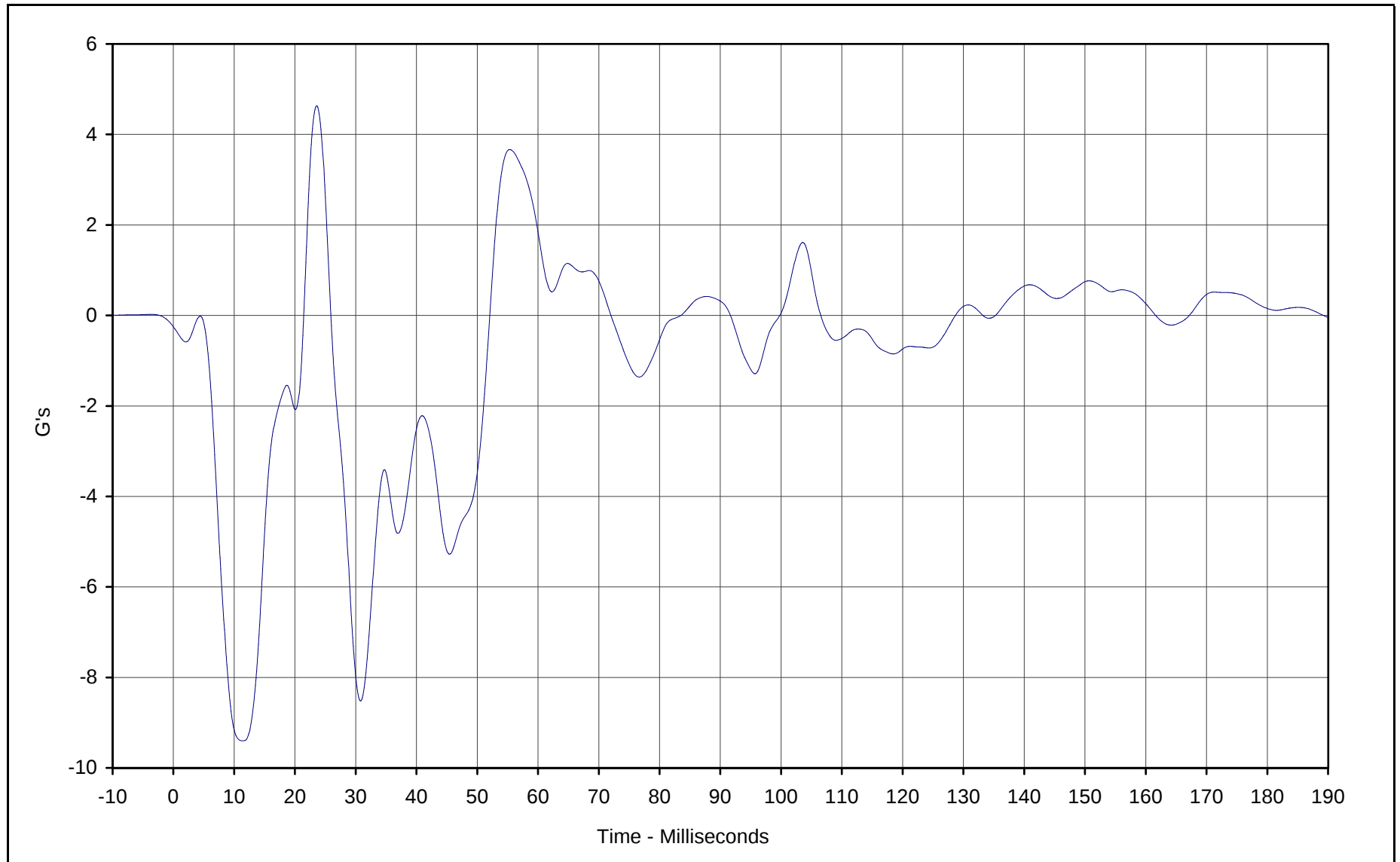
Curve Number: IN1-049

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

** Not Installed

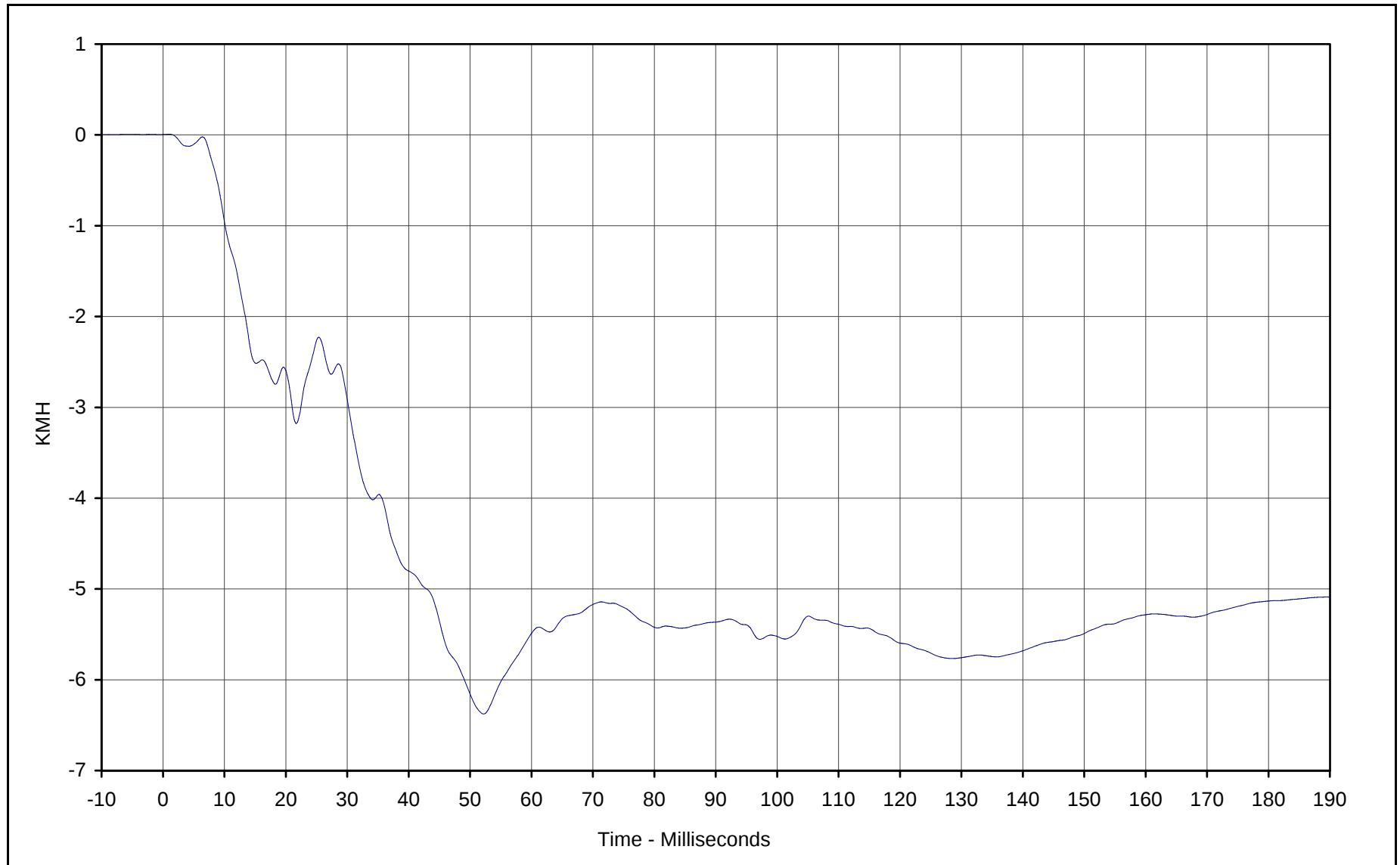




Curve Description: Vehicle CG X
Maximum Value: 4.6 at 23.6 Milliseconds
Minimum Value: -9.4 at 11.4 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-050

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

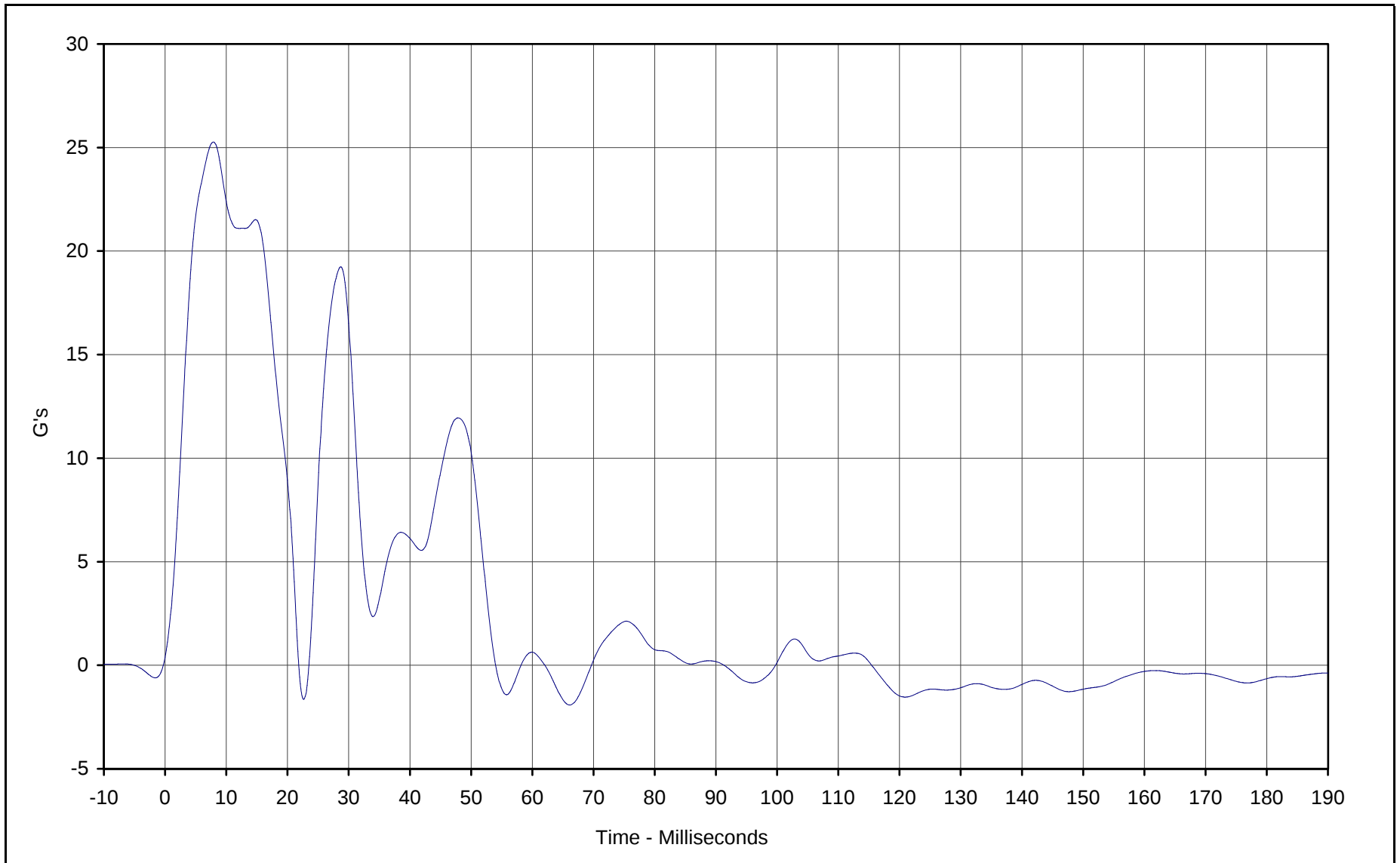




Curve Description: Vehicle CG X Velocity
Maximum Value: 0.0 at 1.0 Milliseconds
Minimum Value: -6.4 at 52.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-050

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

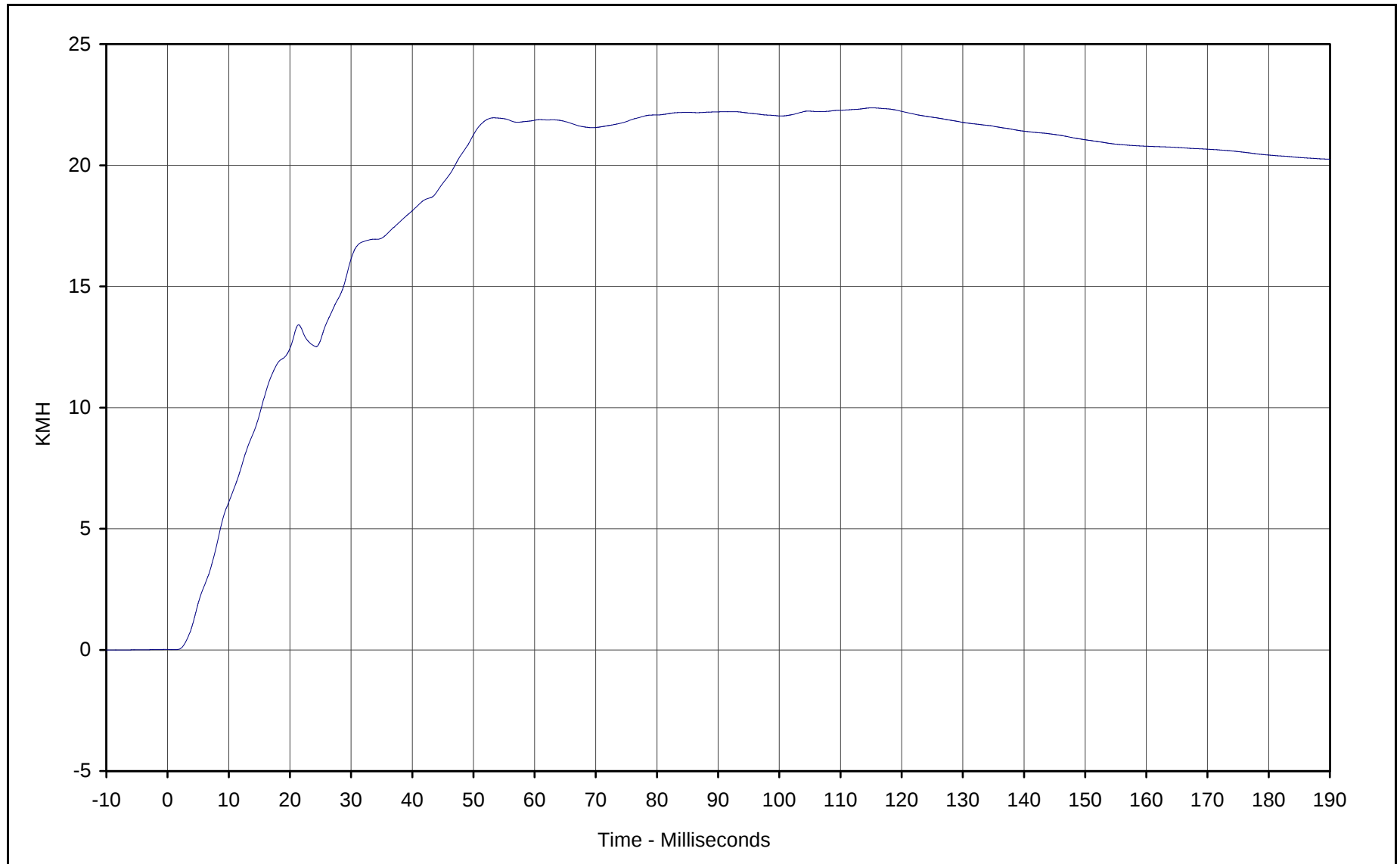




Curve Description: Vehicle CG Y
Maximum Value: 25.3 at 7.9 Milliseconds
Minimum Value: -1.9 at 66.1 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-051

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

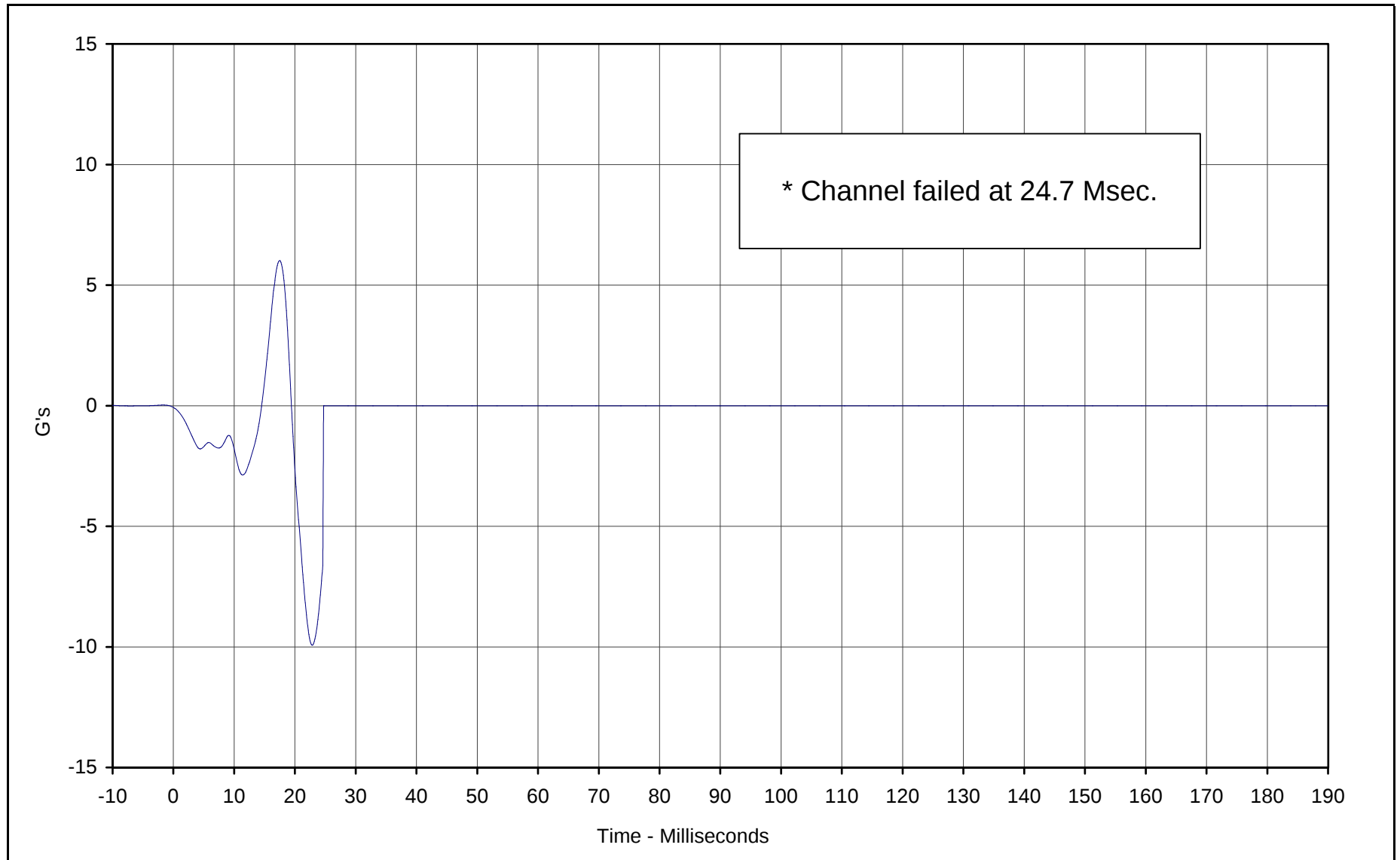




Curve Description: Vehicle CG Y Velocity
Maximum Value: 22.4 at 115.1 Milliseconds
Minimum Value: 0.0 at 1.3 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-051

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Vehicle CG Z *

Maximum Value: 6.0 at 17.5 Milliseconds

Minimum Value: -9.9 at 22.8 Milliseconds

SAE Filter Class: 60

Date of Test: 1/30/02

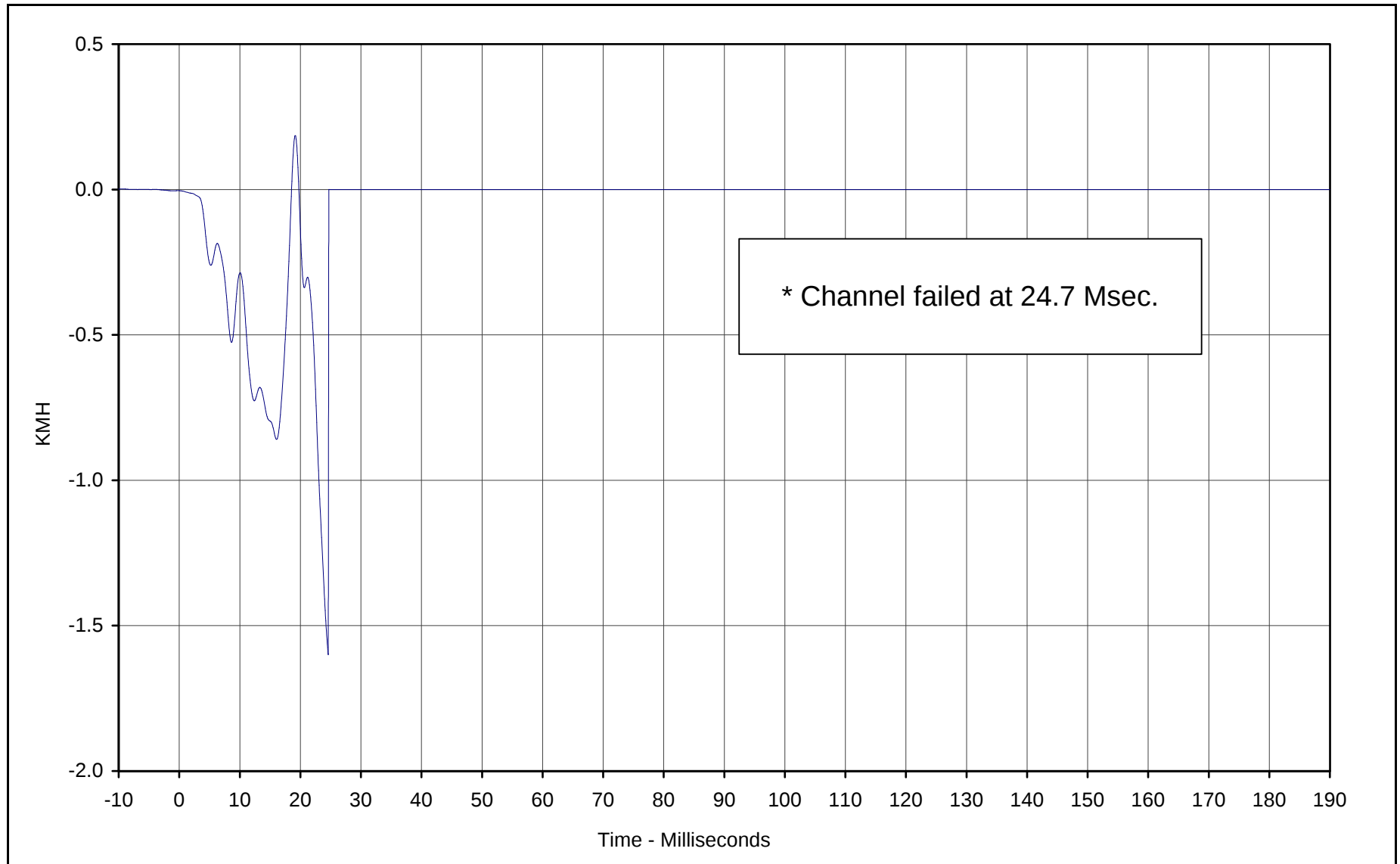
Curve Number: FIL-052

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

* Channel failed at 24.7 Msec.





Curve Description: Vehicle CG Z Velocity *

Maximum Value: 0.2 at 19.1 Milliseconds

Minimum Value: -1.6 at 24.6 Milliseconds

SAE Filter Class: 180

Date of Test: 1/30/02

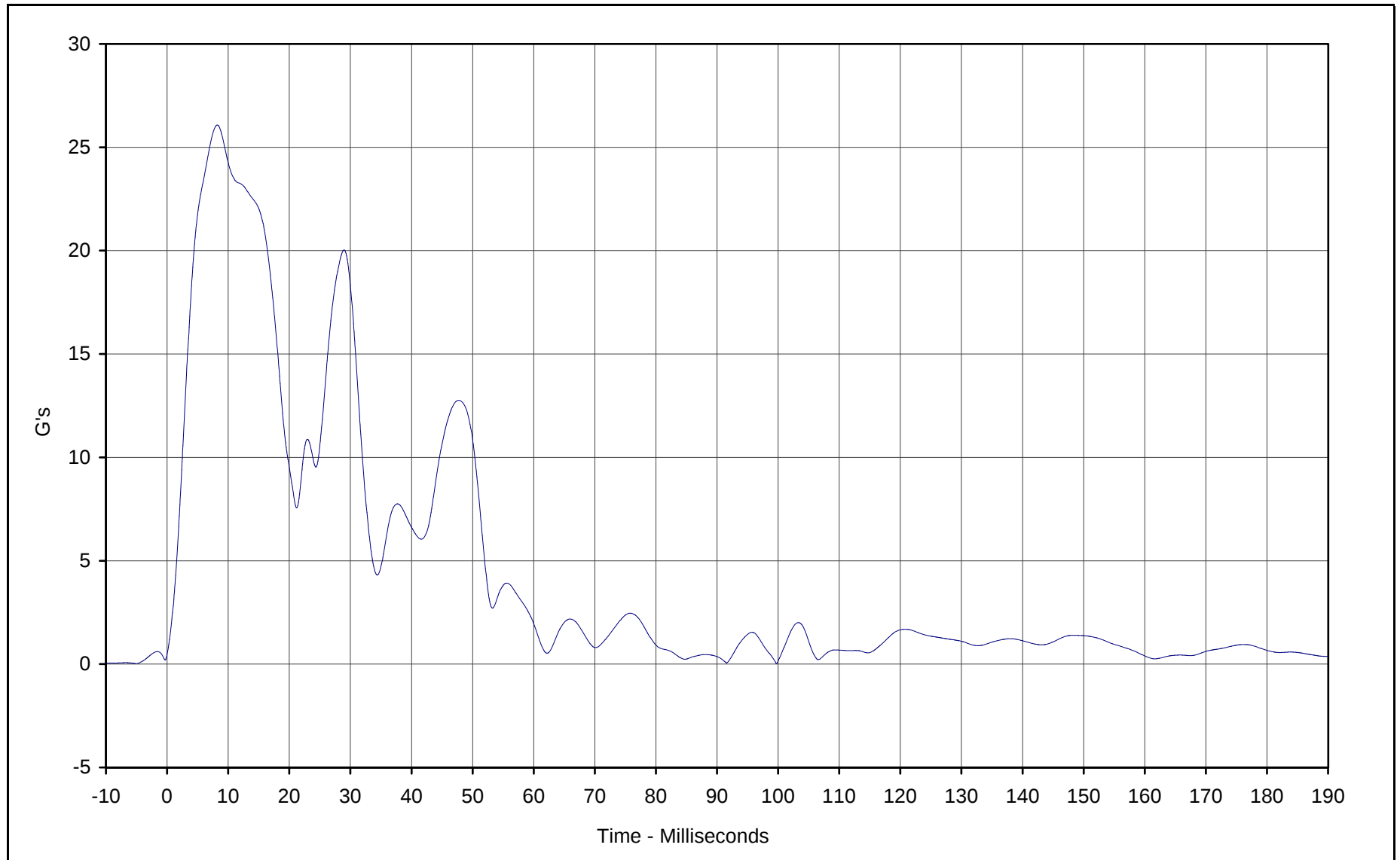
Curve Number: IN1-052

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301

Test Vehicle: 2002 Honda CR-V EX 4WD SUV

* Channel failed at 24.7 Msec.

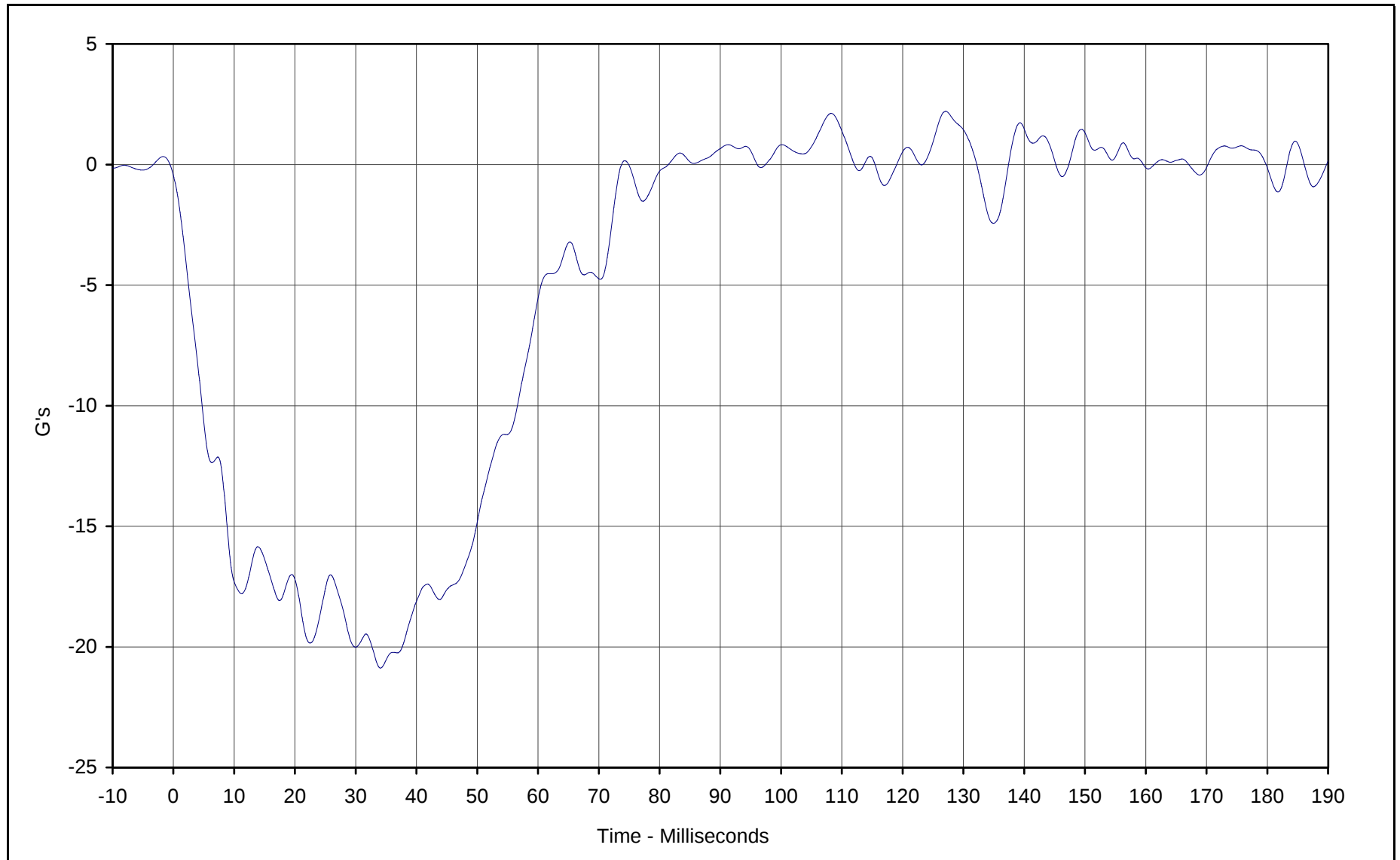




Curve Description: Vehicle CG Resultant
Maximum Value: 26.1 at 8.2 Milliseconds
Minimum Value: 0.0 at 99.7 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: RES-050

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

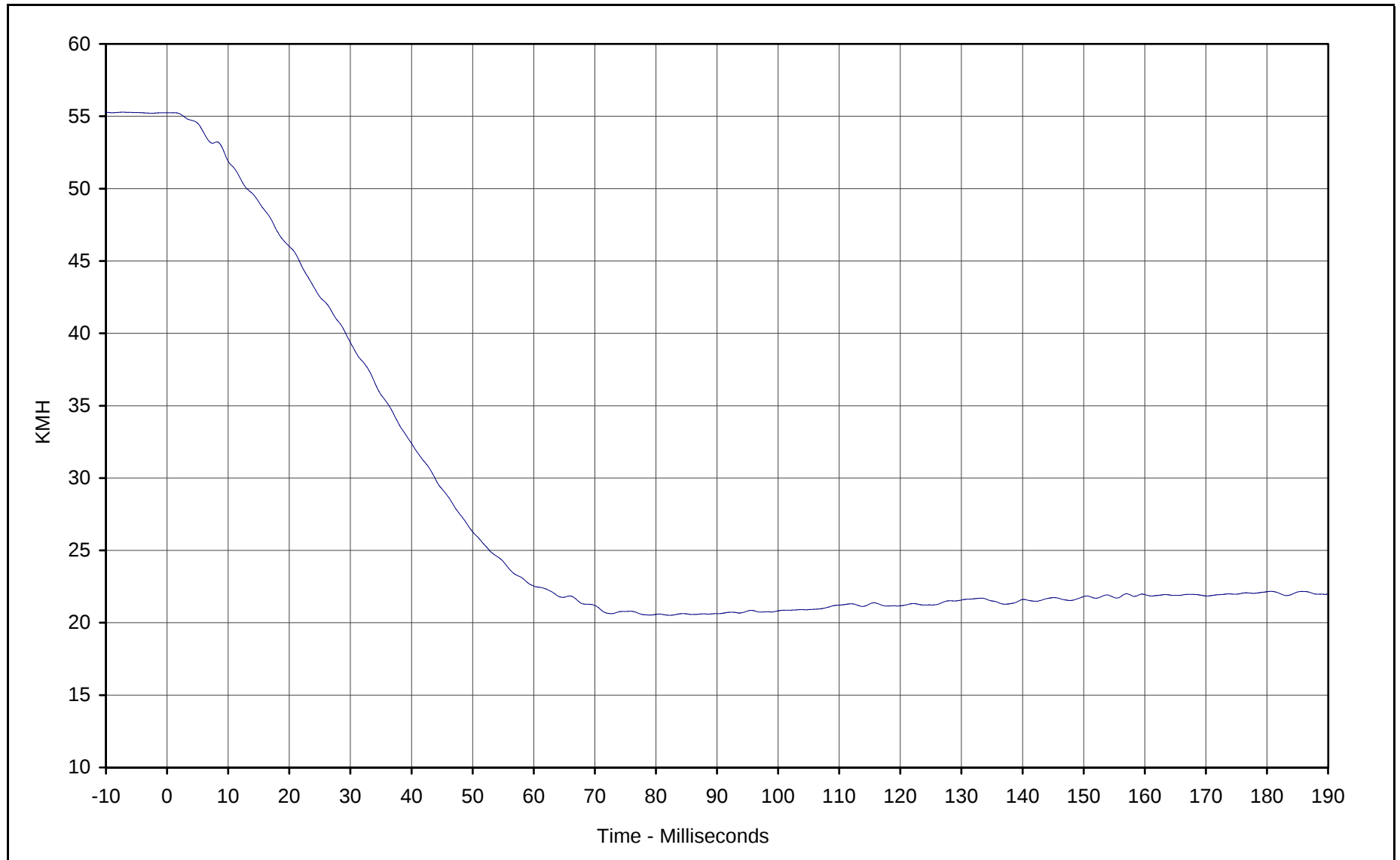




Curve Description: MDB CG X
Maximum Value: 2.2 at 127.1 Milliseconds
Minimum Value: -20.9 at 34.1 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-053

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

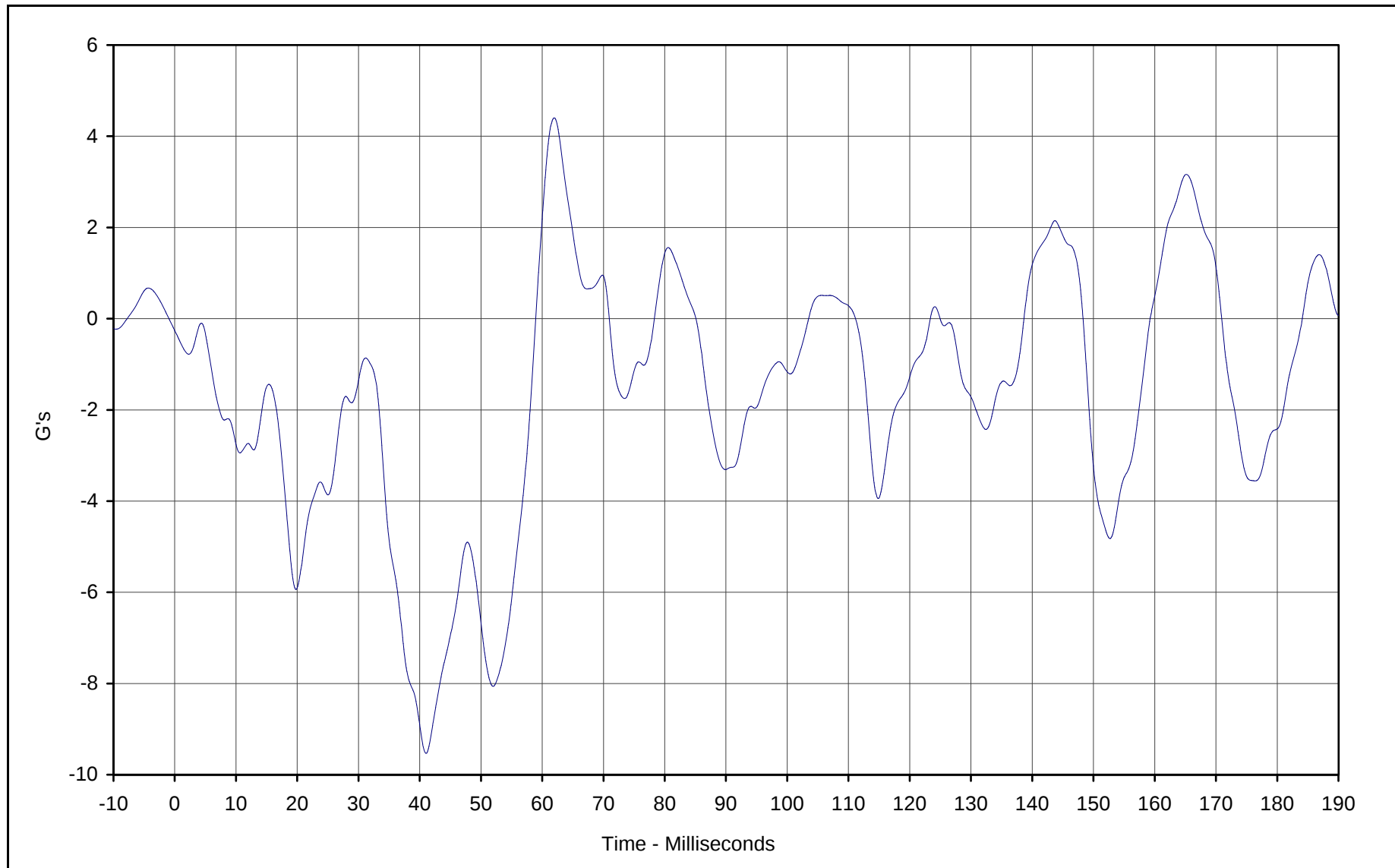




Curve Description: MDB CG X Velocity
Maximum Value: 55.2 at 0.9 Milliseconds
Minimum Value: 20.5 at 82.3 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-053

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

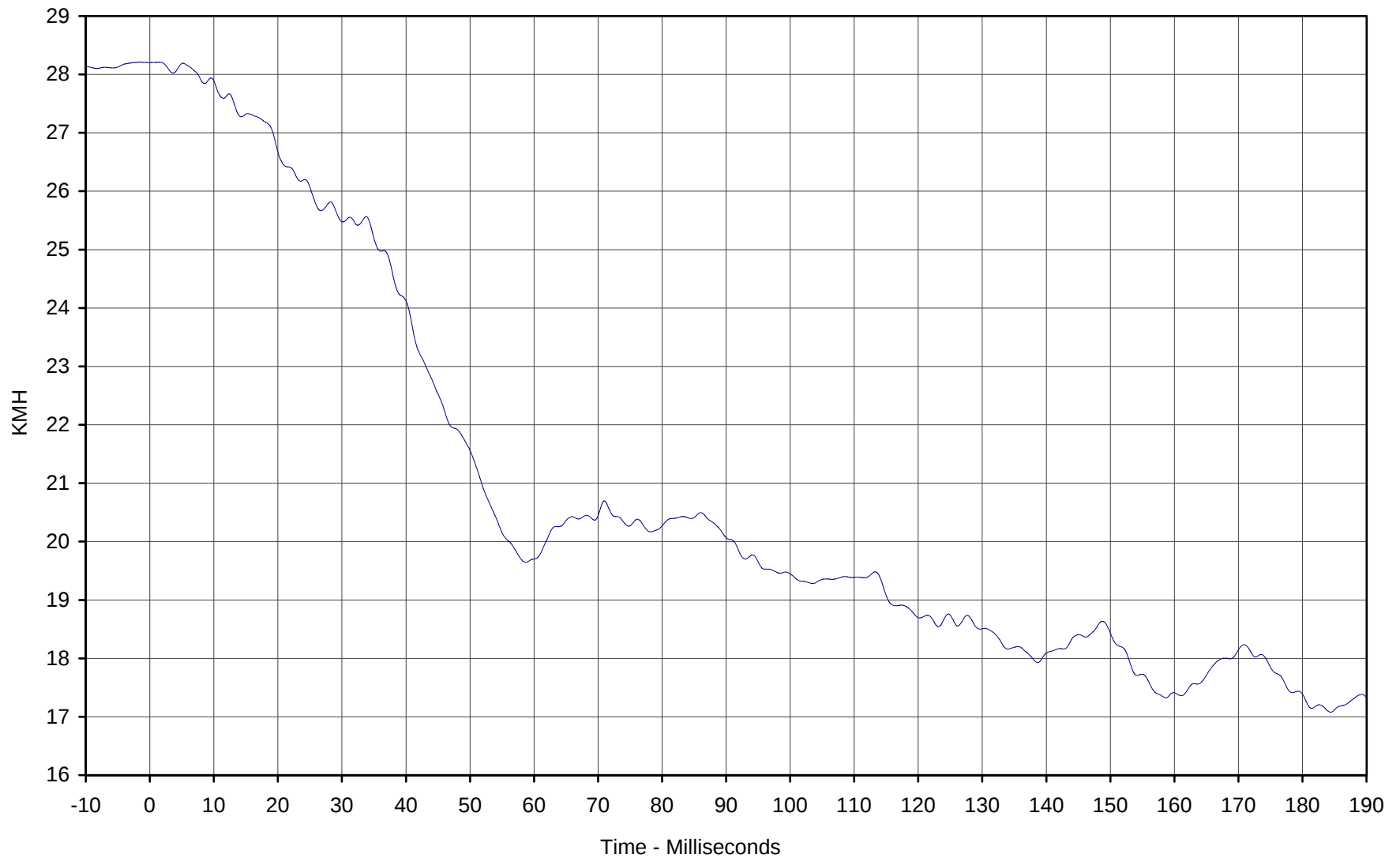




Curve Description: MDB CG Y
Maximum Value: 4.4 at 61.9 Milliseconds
Minimum Value: -9.5 at 41.0 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-054

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

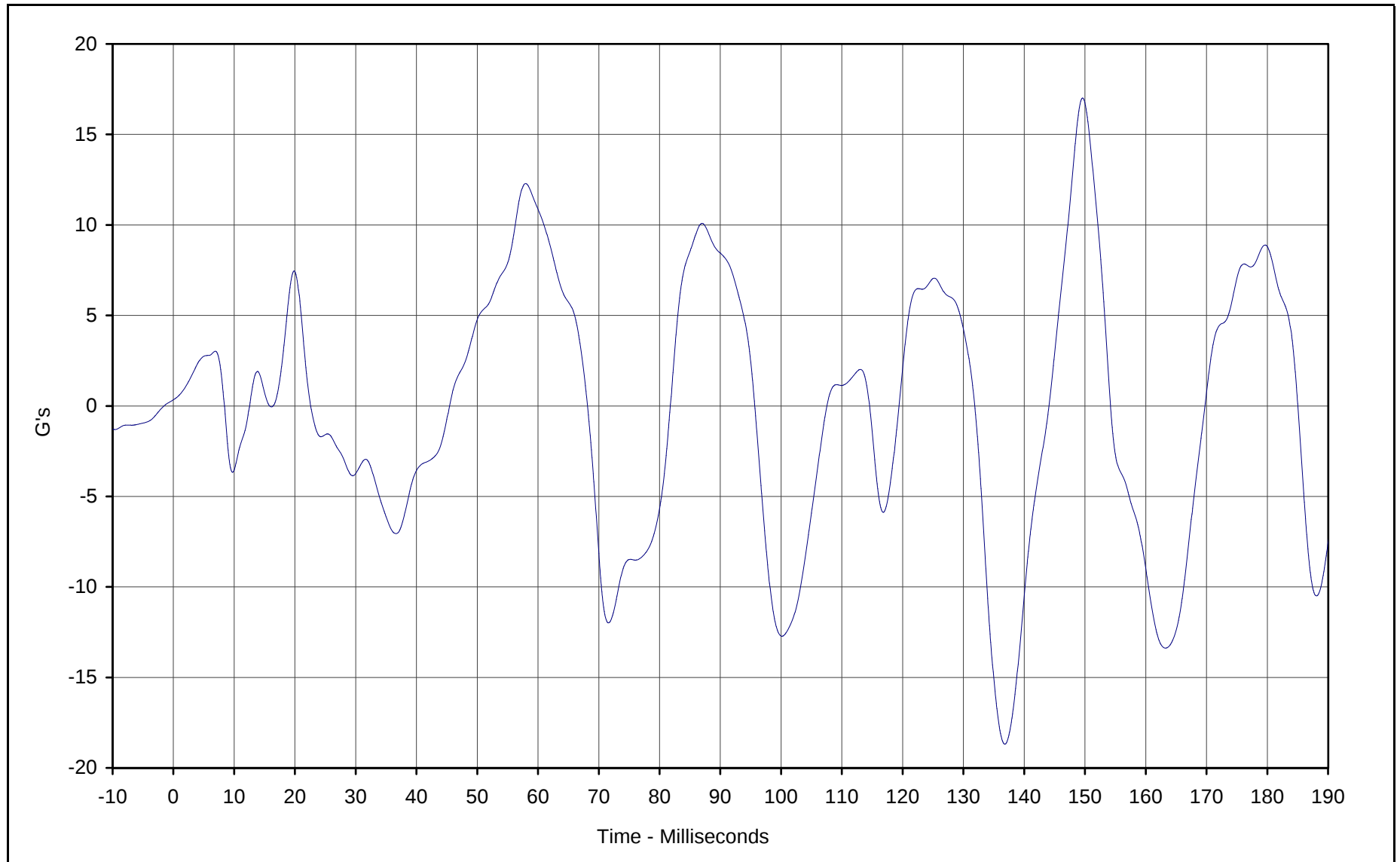




Curve Description: MDB CG Y Velocity
Maximum Value: 28.2 at 1.4 Milliseconds
Minimum Value: 17.1 at 184.4 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-054

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

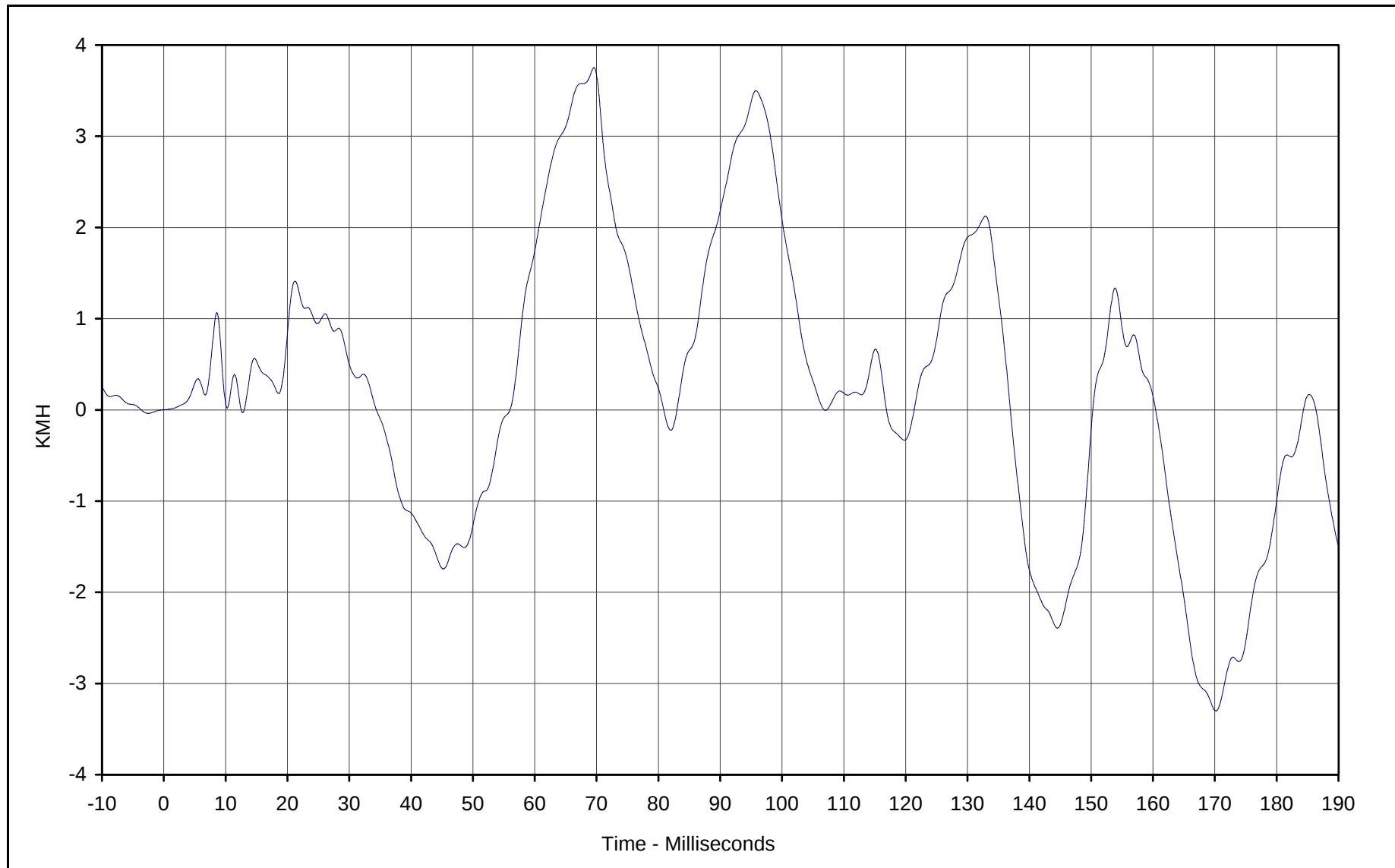




Curve Description: MDB CG Z
Maximum Value: 17.0 at 149.6 Milliseconds
Minimum Value: -18.7 at 136.8 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-055

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

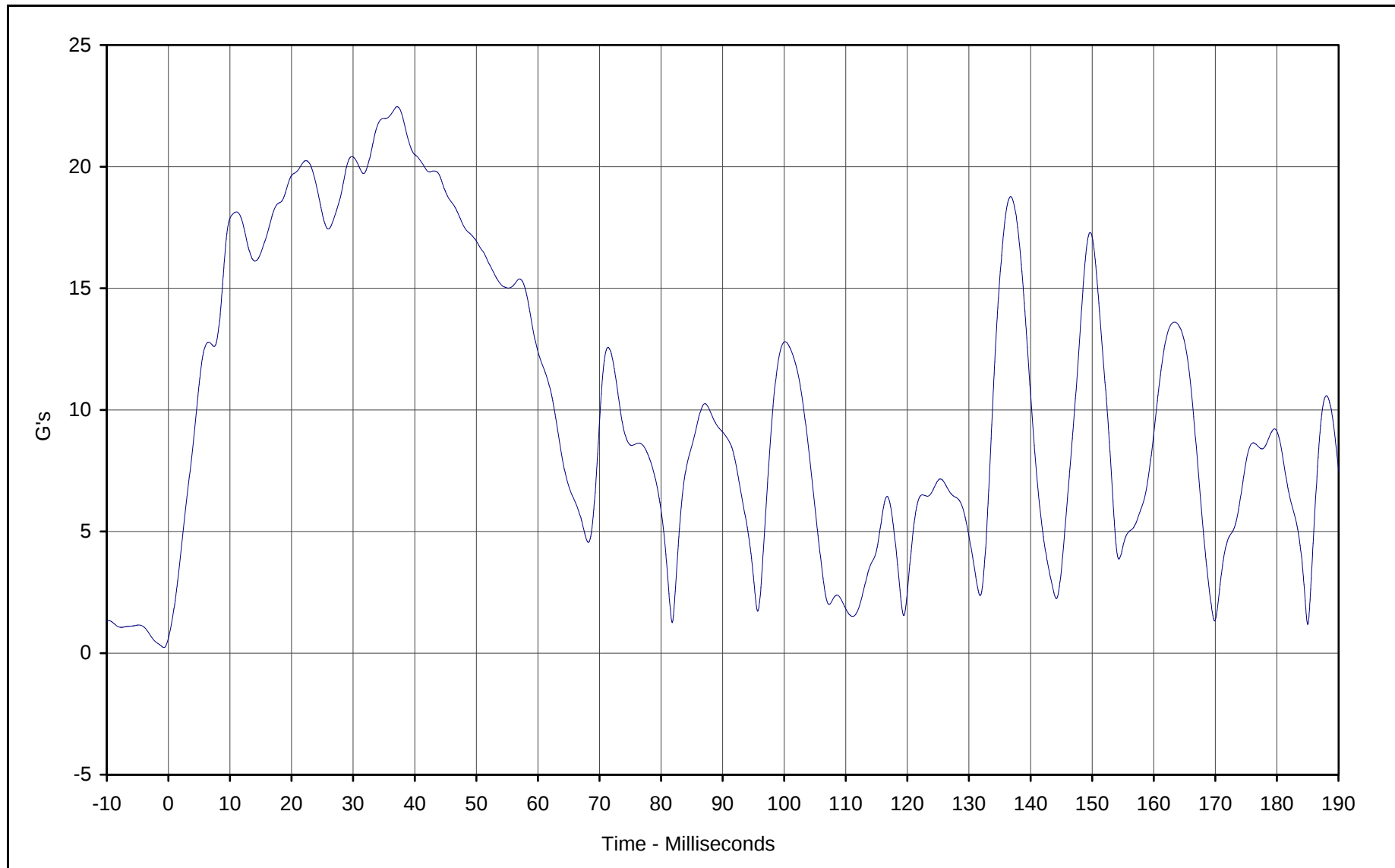




Curve Description: MDB CG Z Velocity
Maximum Value: 3.8 at 69.6 Milliseconds
Minimum Value: -3.3 at 170.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-055

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

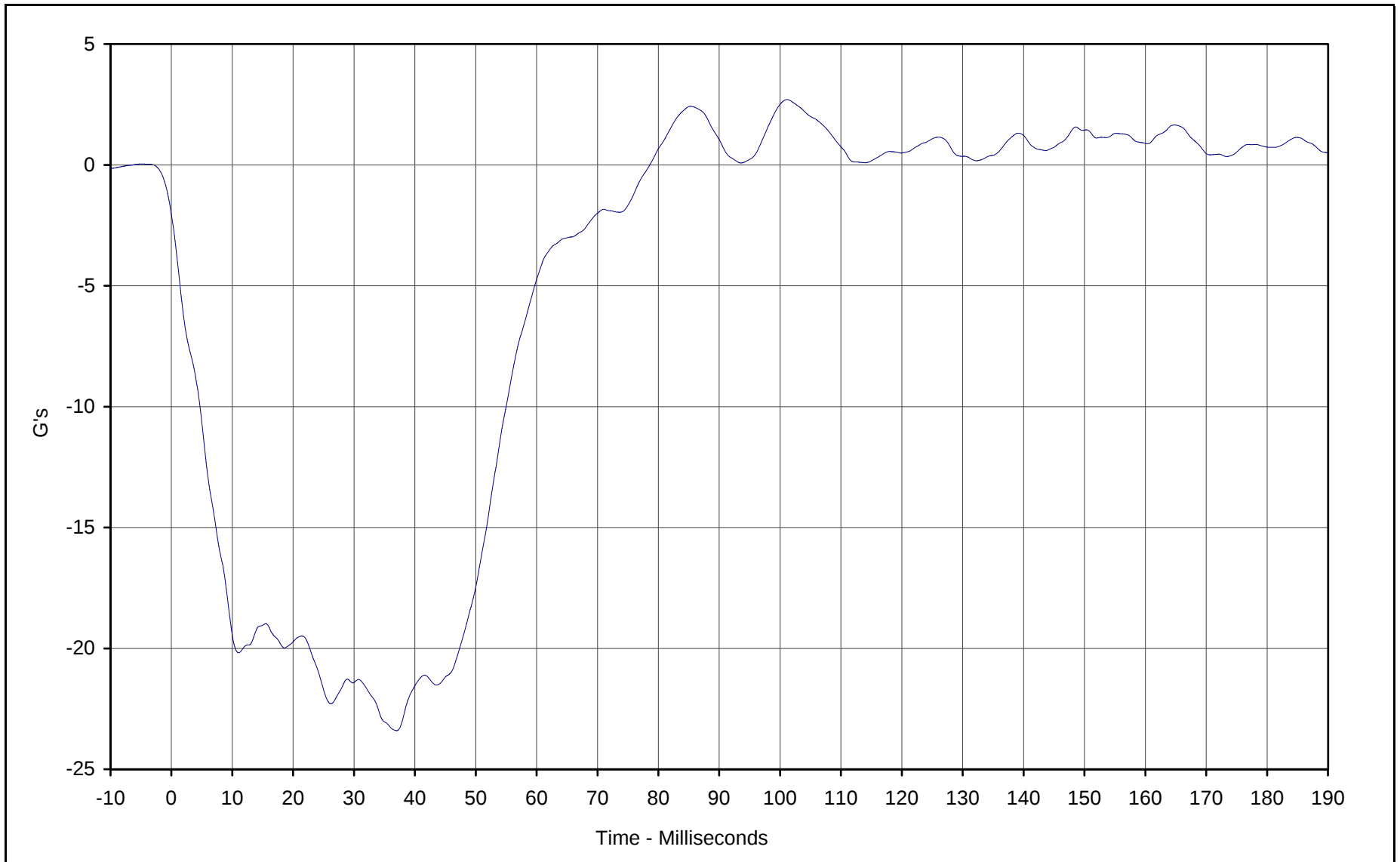




Curve Description: CG Resultant
Maximum Value: 22.5 at 37.2 Milliseconds
Minimum Value: 0.6 at 0.0 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: RES-053

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

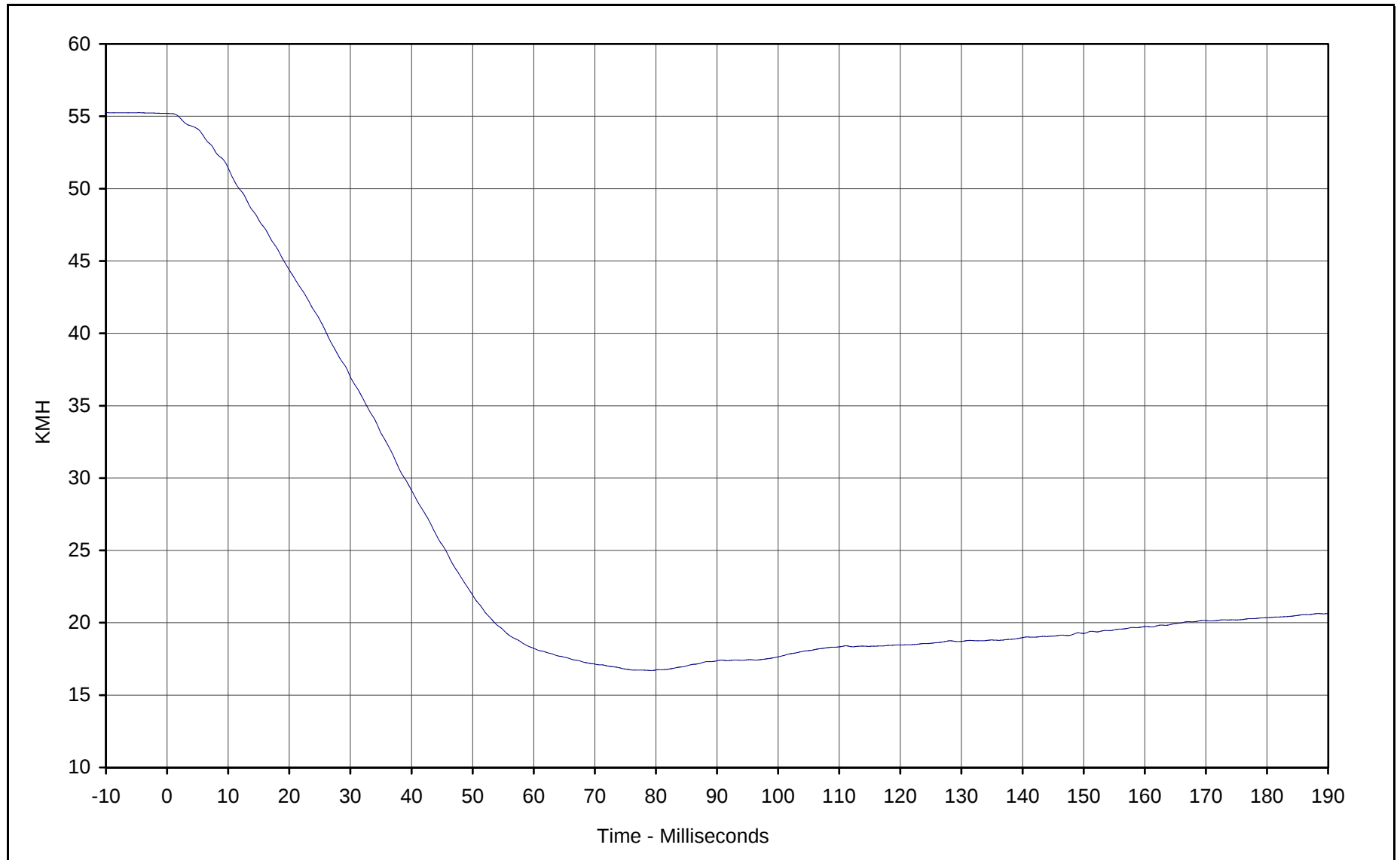




Curve Description: MDB Rear X
Maximum Value: 2.7 at 101.1 Milliseconds
Minimum Value: -23.4 at 37.0 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-056

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

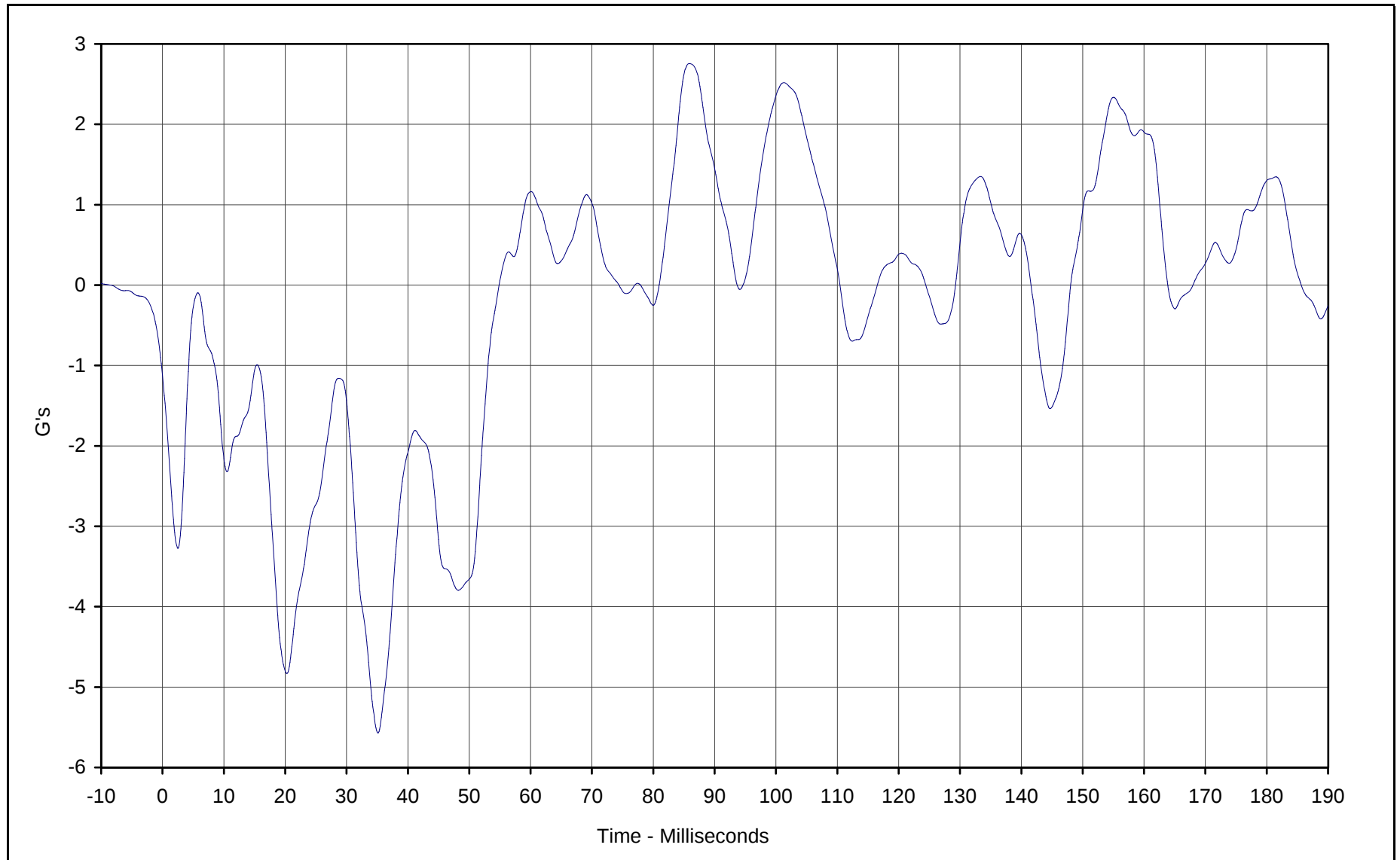




Curve Description: MDB Rear X Velocity
Maximum Value: 55.2 at 0.0 Milliseconds
Minimum Value: 16.7 at 79.3 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-056

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

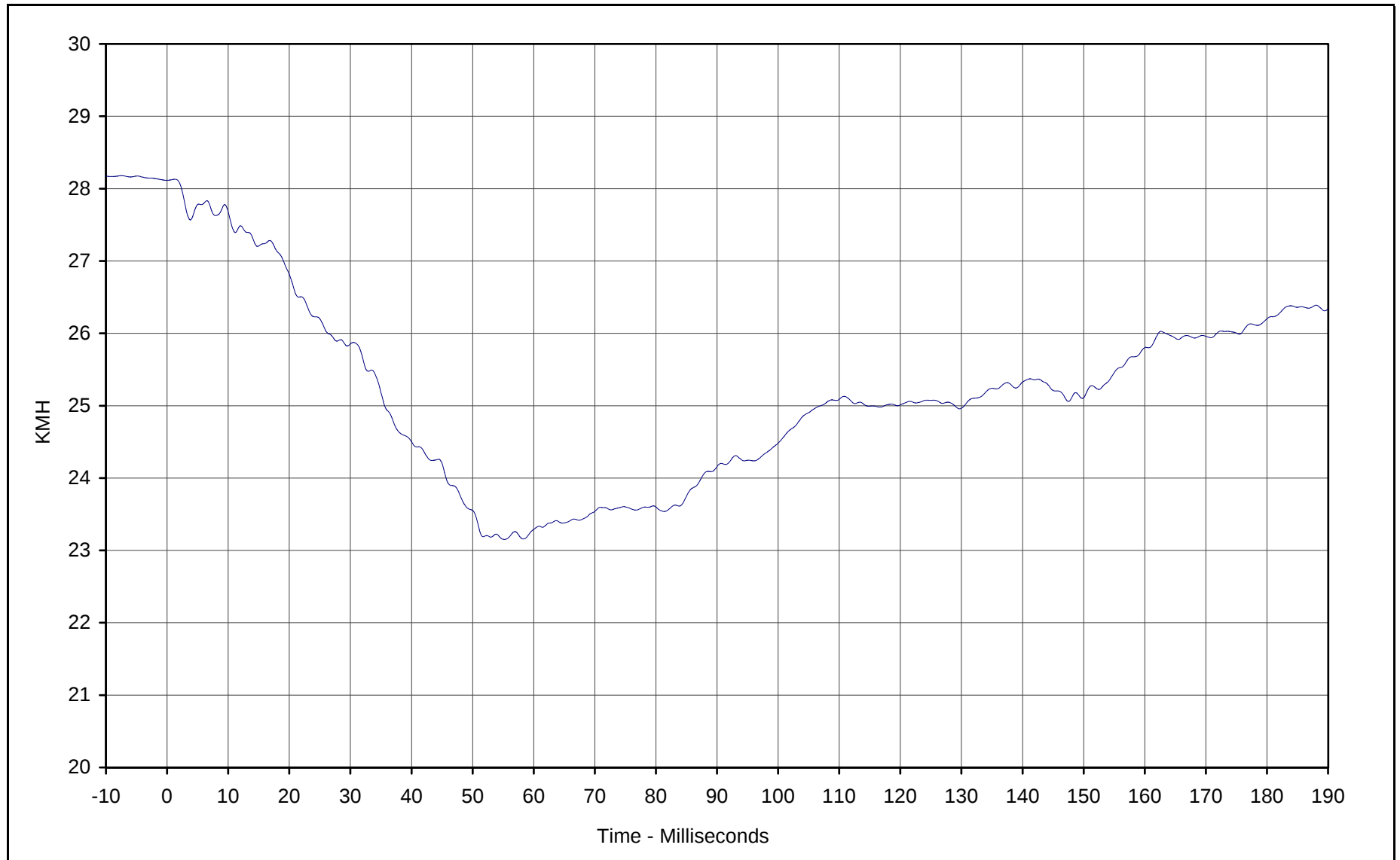




Curve Description: MDB Rear Y
Maximum Value: 2.8 at 85.9 Milliseconds
Minimum Value: -5.6 at 35.1 Milliseconds
SAE Filter Class: 60
Date of Test: 1/30/02
Curve Number: FIL-057

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

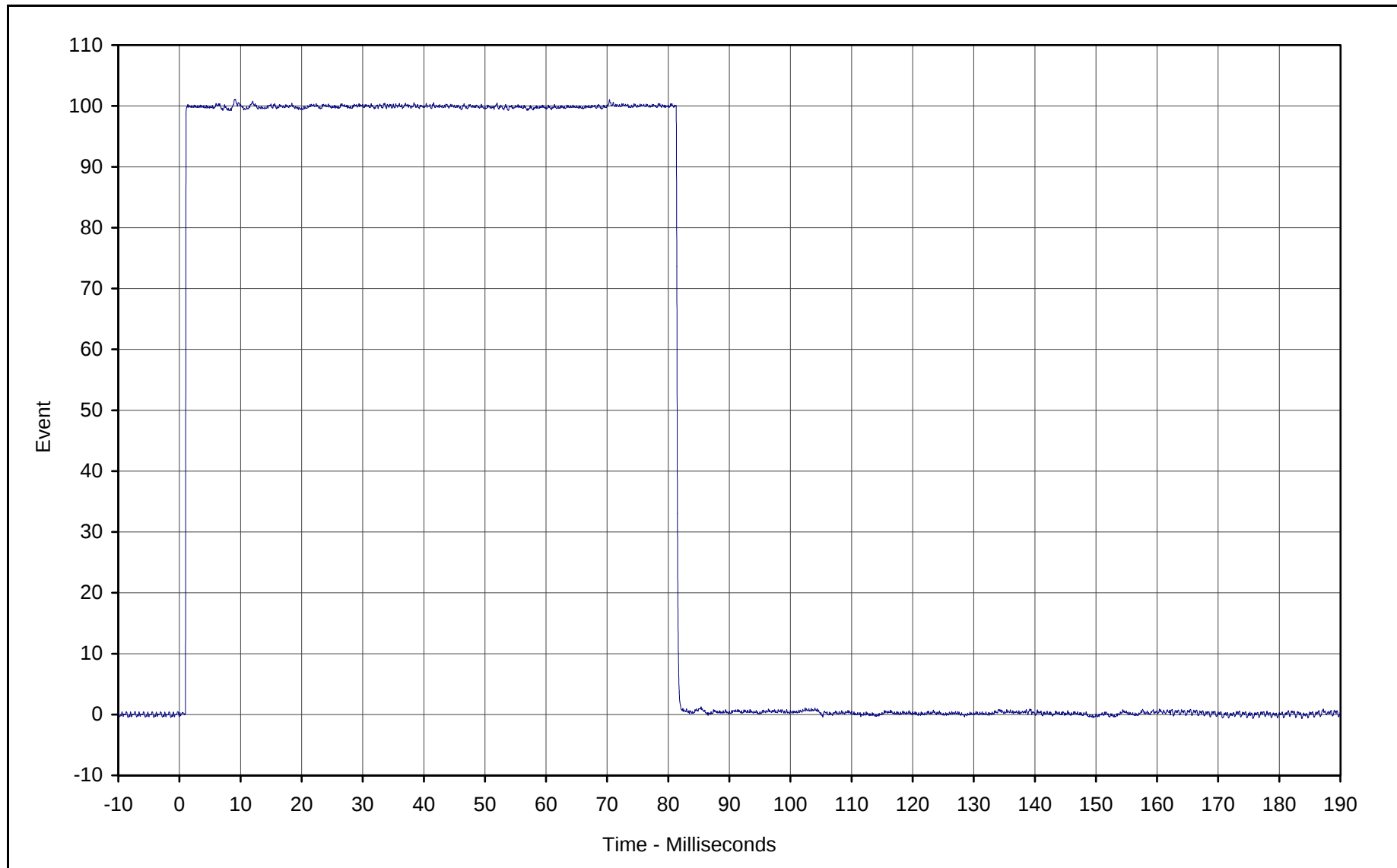




Curve Description: MDB Rear Y Velocity
Maximum Value: 28.1 at 1.3 Milliseconds
Minimum Value: 23.2 at 55.2 Milliseconds
SAE Filter Class: 180
Date of Test: 1/30/02
Curve Number: IN1-057

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

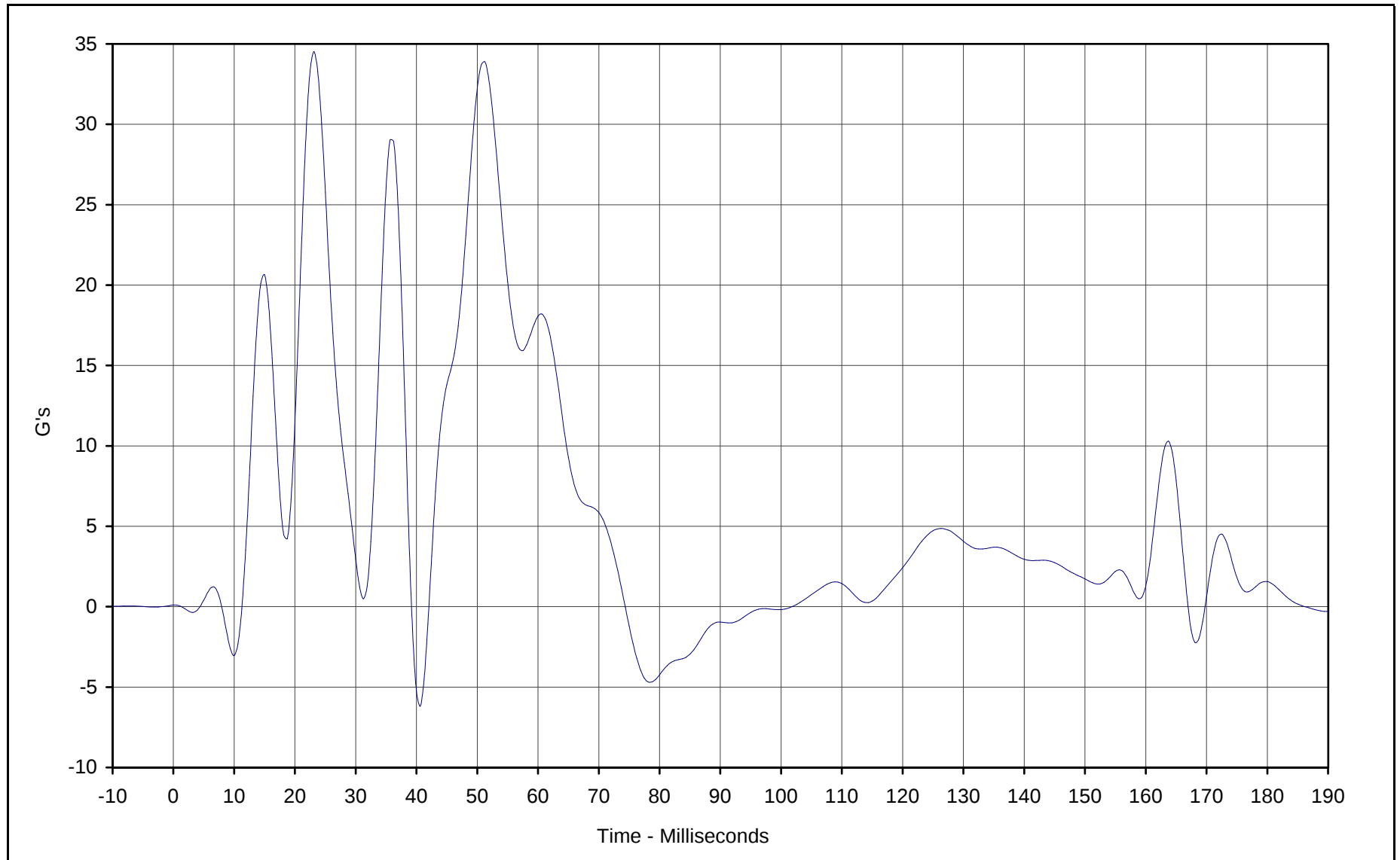




Curve Description: MDB Right Bumper Contact
Maximum Value: 101.1 at 9.1 Milliseconds
Crossing Point: 50% at 1.1 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02
Curve Number: FIL-058

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

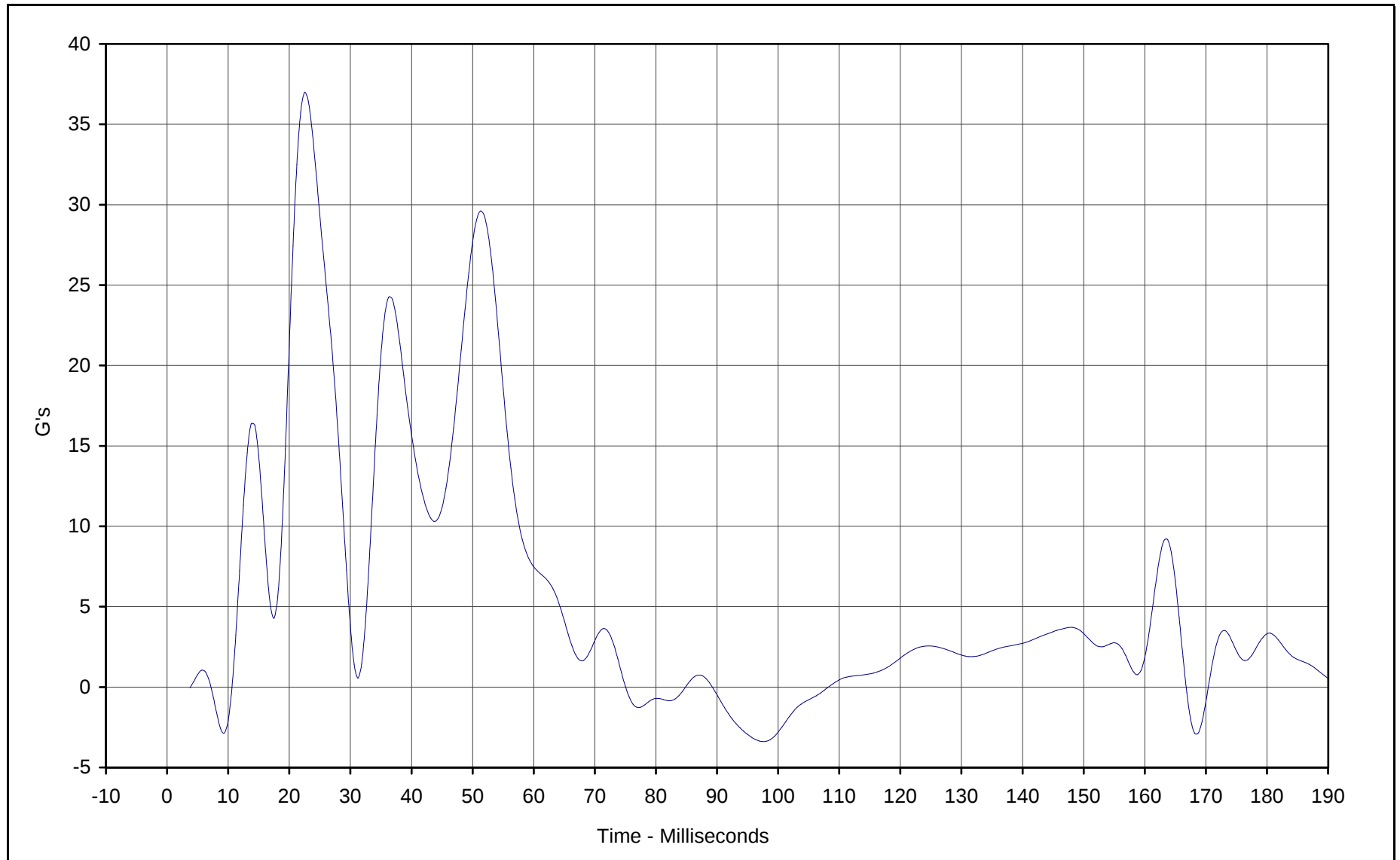




Curve Description: Driver Upper Rib Primary Y
Maximum Value: 34.5 at 23.1 Milliseconds
Minimum Value: -6.2 at 40.6 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-004

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

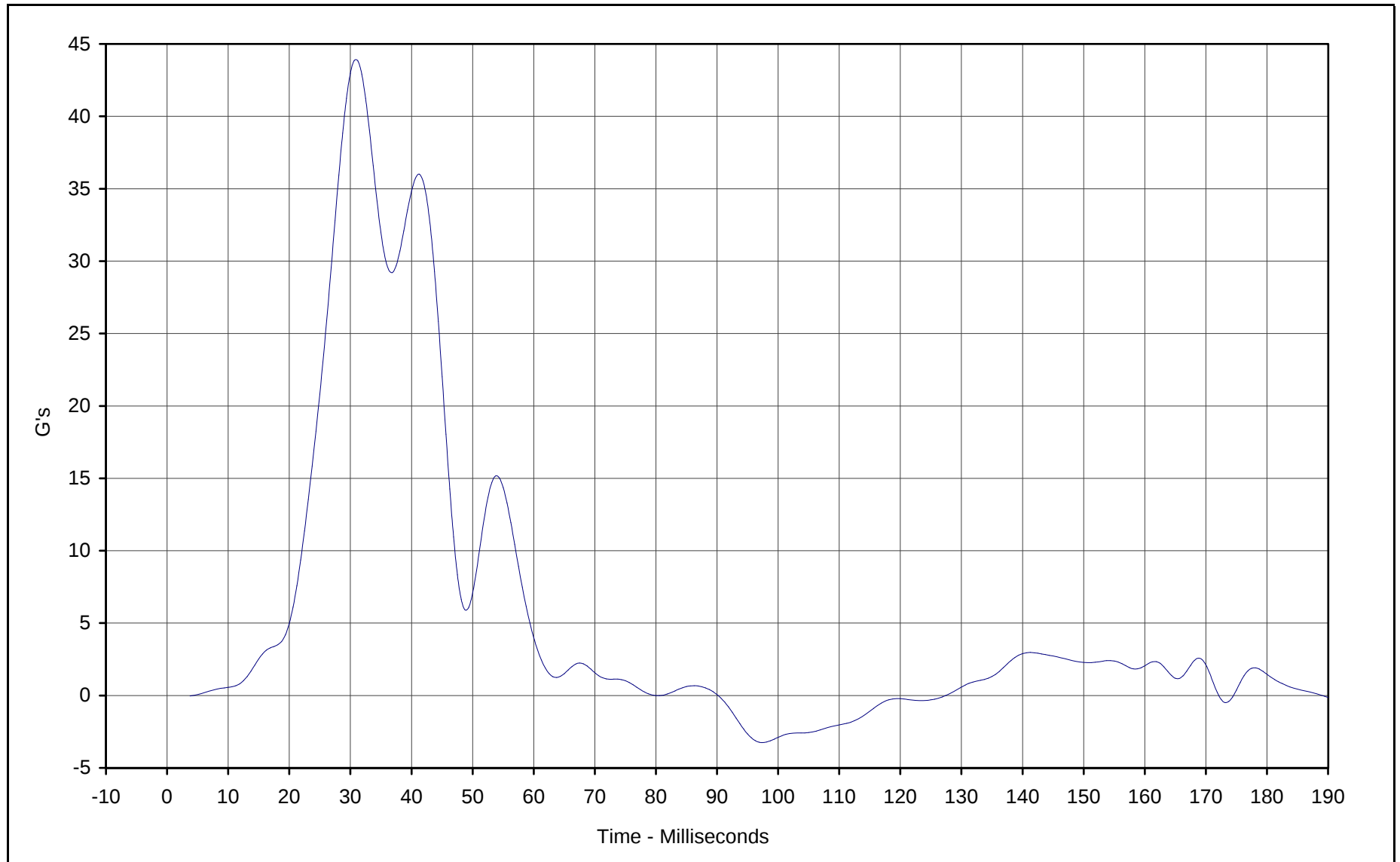




Curve Description: Driver Lower Rib Primary Y
Maximum Value: 37.0 at 22.5 Milliseconds
Minimum Value: -3.4 at 97.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-005

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

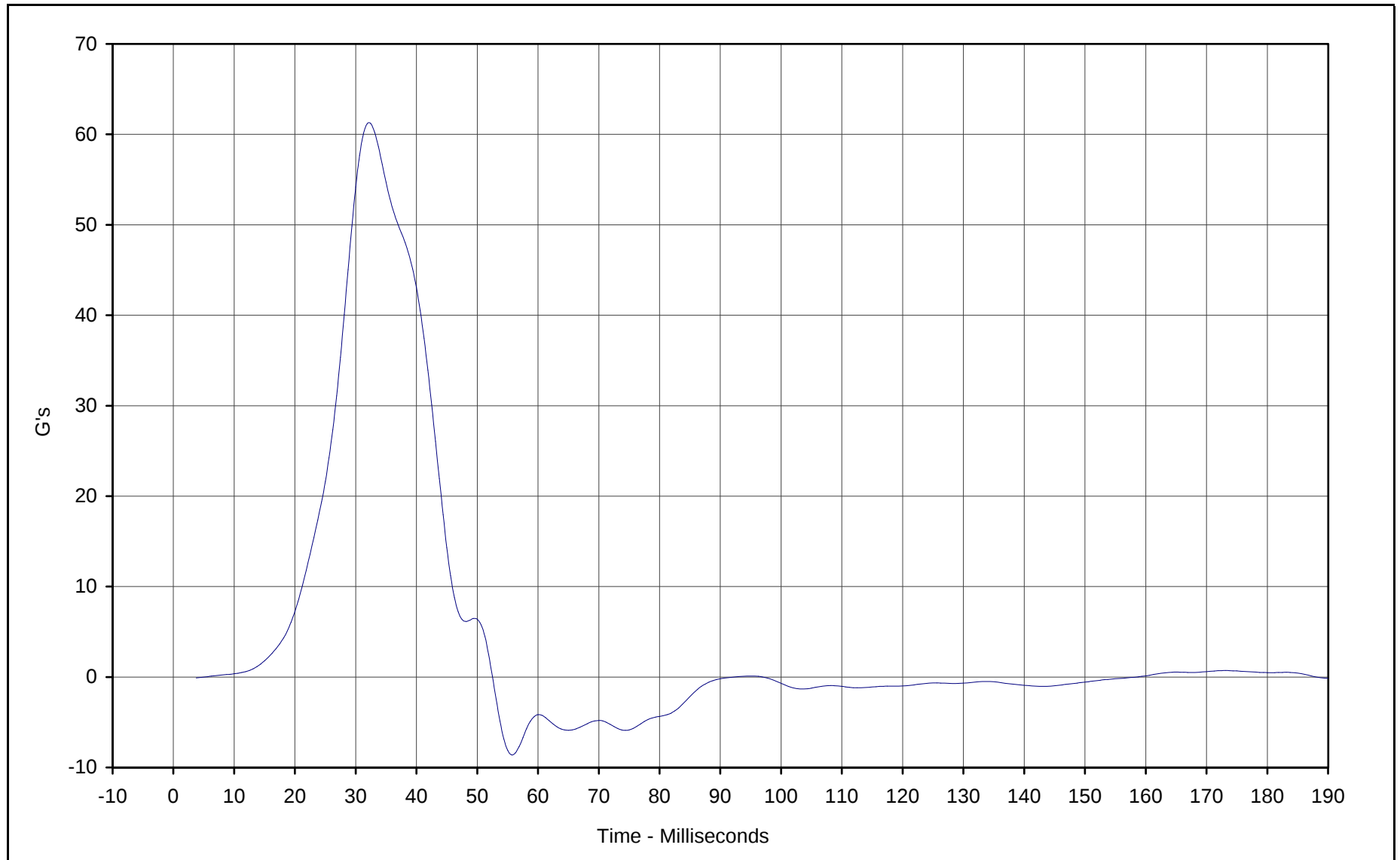




Curve Description: Driver Lower Spine Primary Y
Maximum Value: 43.8 at 30.6 Milliseconds
Minimum Value: -3.2 at 97.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-006

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

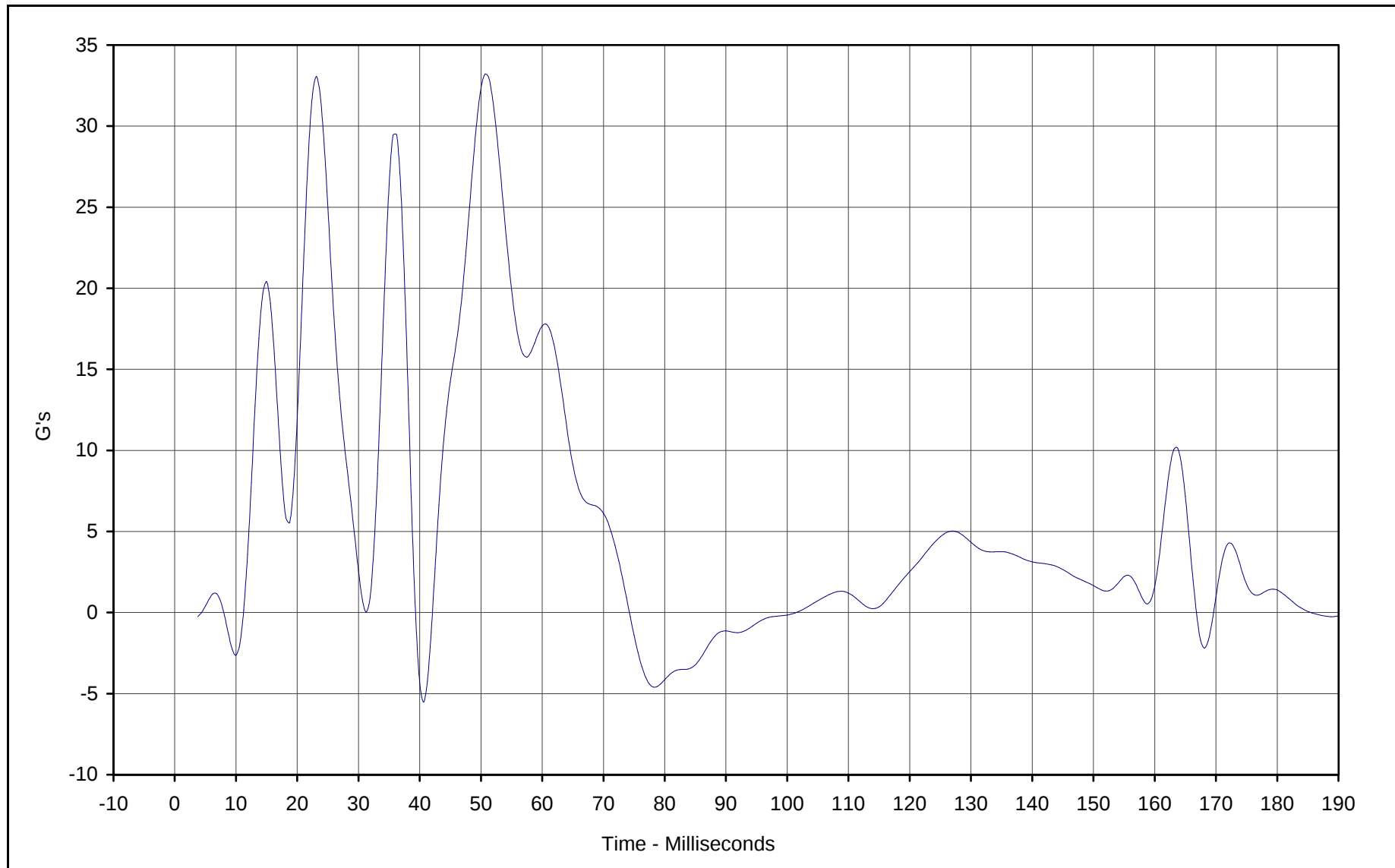




Curve Description: Driver Pelvis Primary Y
Maximum Value: 61.2 at 32.5 Milliseconds
Minimum Value: -8.6 at 55.6 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-007

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

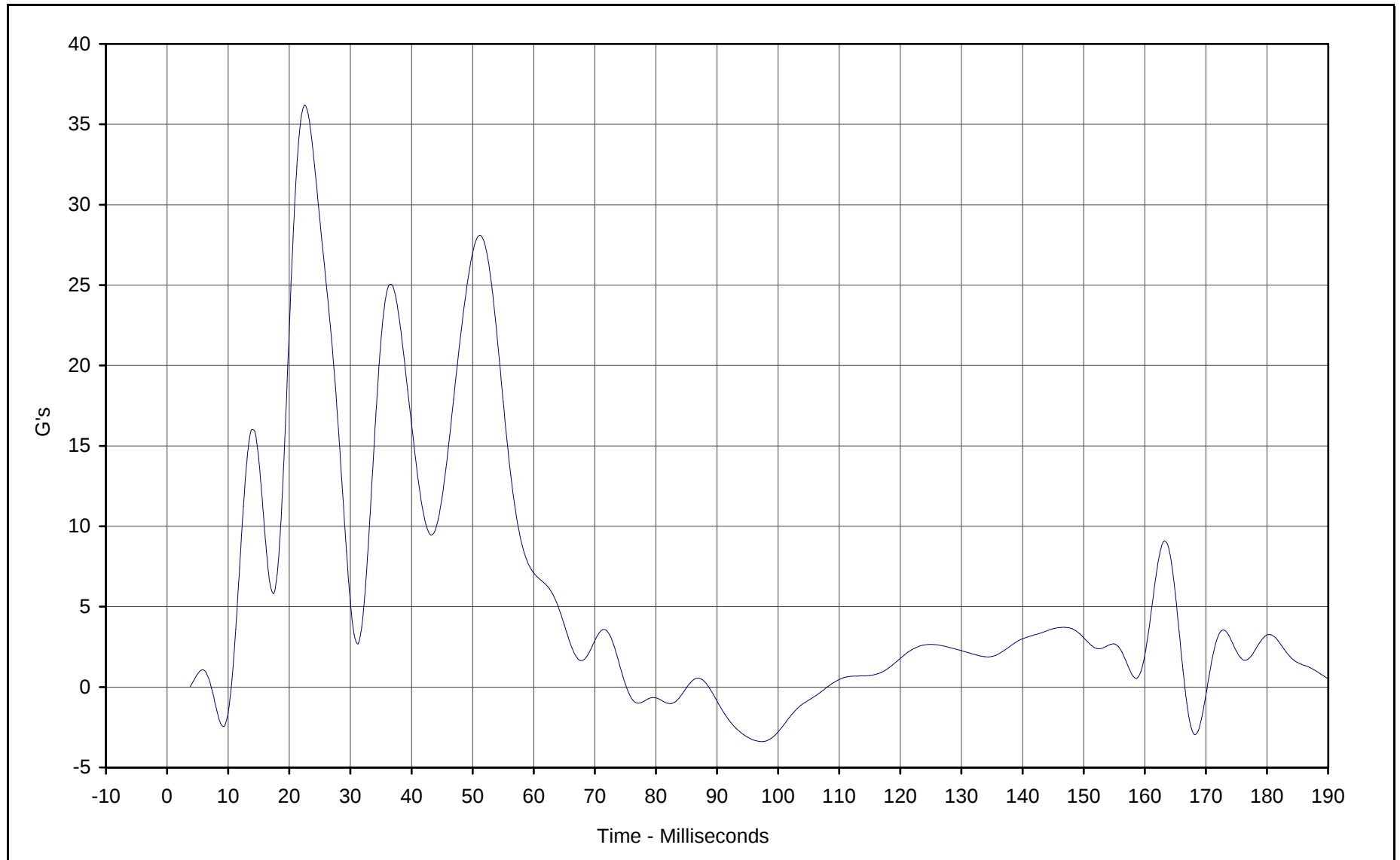




Curve Description: Driver Upper Rib Redundant Y
Maximum Value: 33.2 at 50.6 Milliseconds
Minimum Value: -5.5 at 40.6 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-008

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

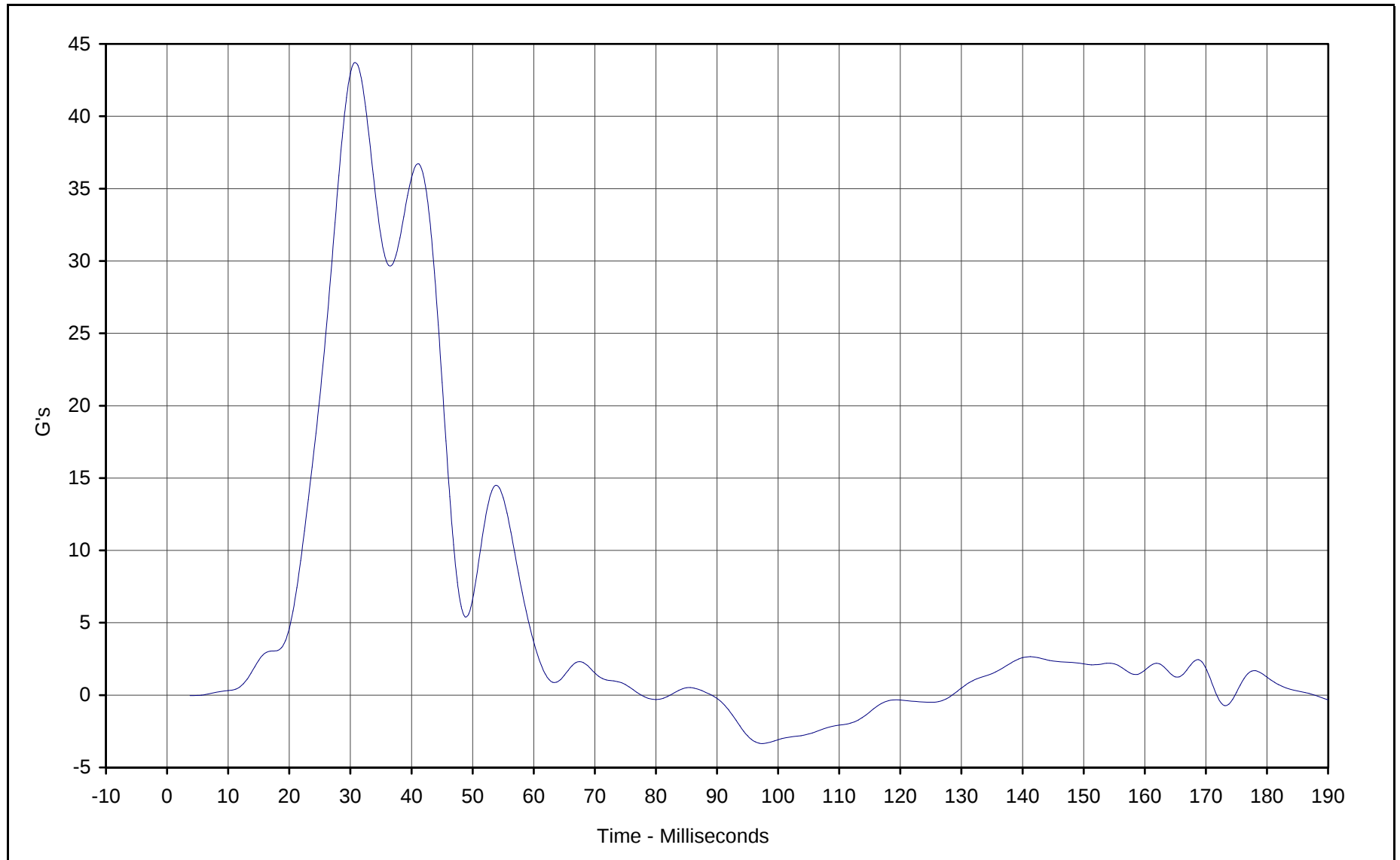




Curve Description: Driver Lower Rib Redundant Y
Maximum Value: 36.2 at 22.5 Milliseconds
Minimum Value: -3.4 at 97.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-009

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

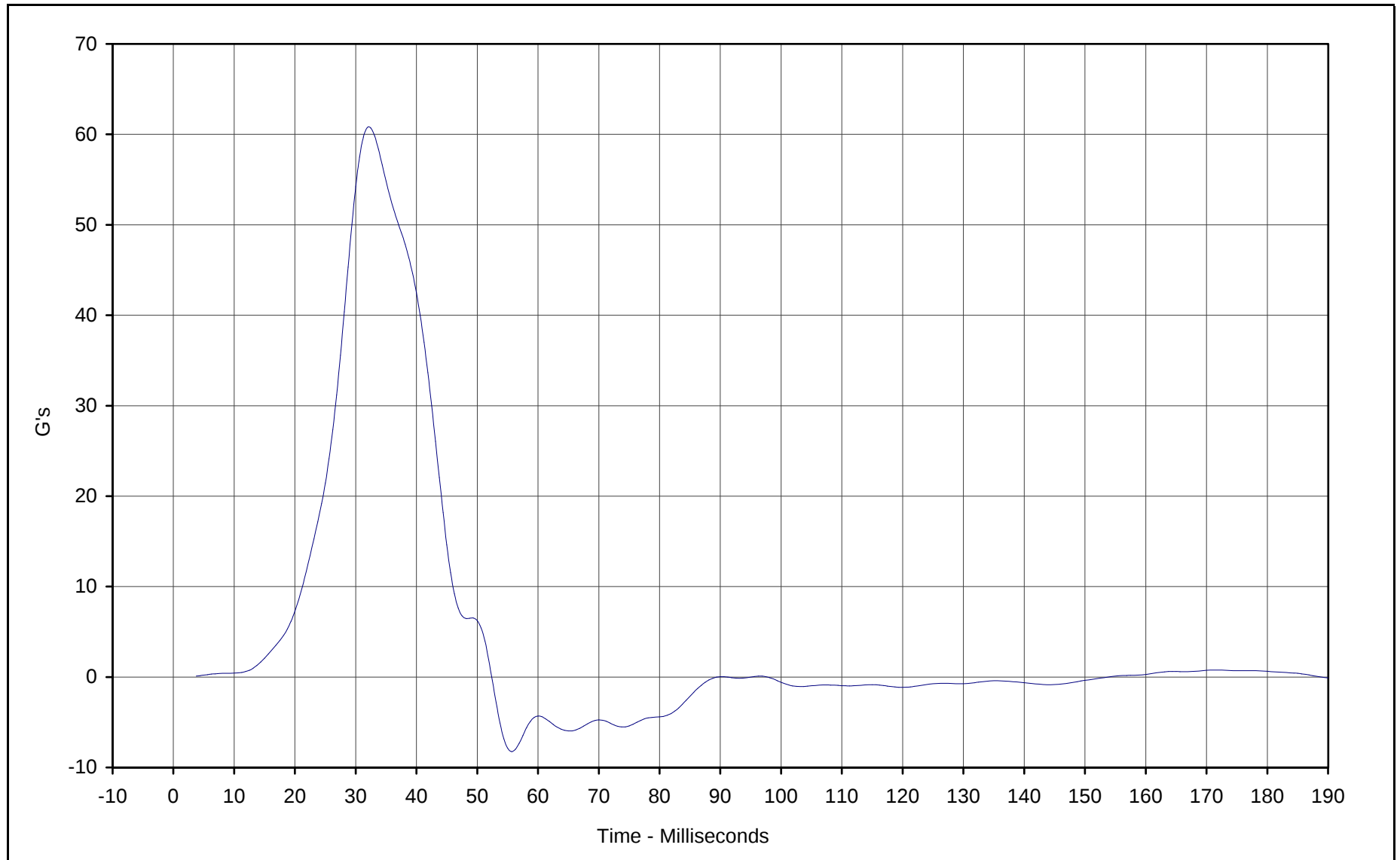




Curve Description: Driver Lower Spine Redundant Y
Maximum Value: 43.7 at 30.6 Milliseconds
Minimum Value: -3.3 at 97.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-010

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

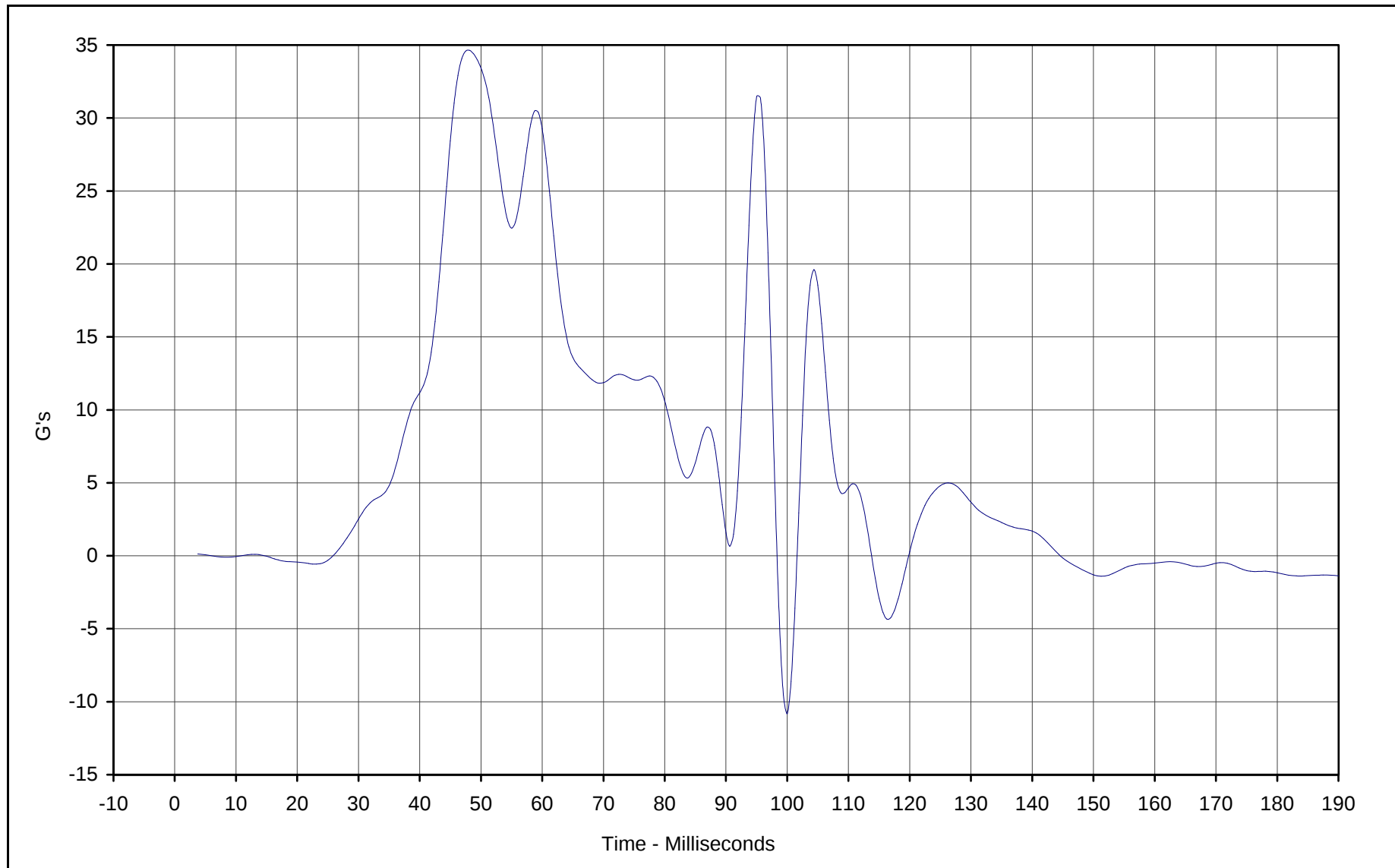




Curve Description: Driver Pelvis Redundant Y
Maximum Value: 60.7 at 31.9 Milliseconds
Minimum Value: -8.2 at 55.6 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-011

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

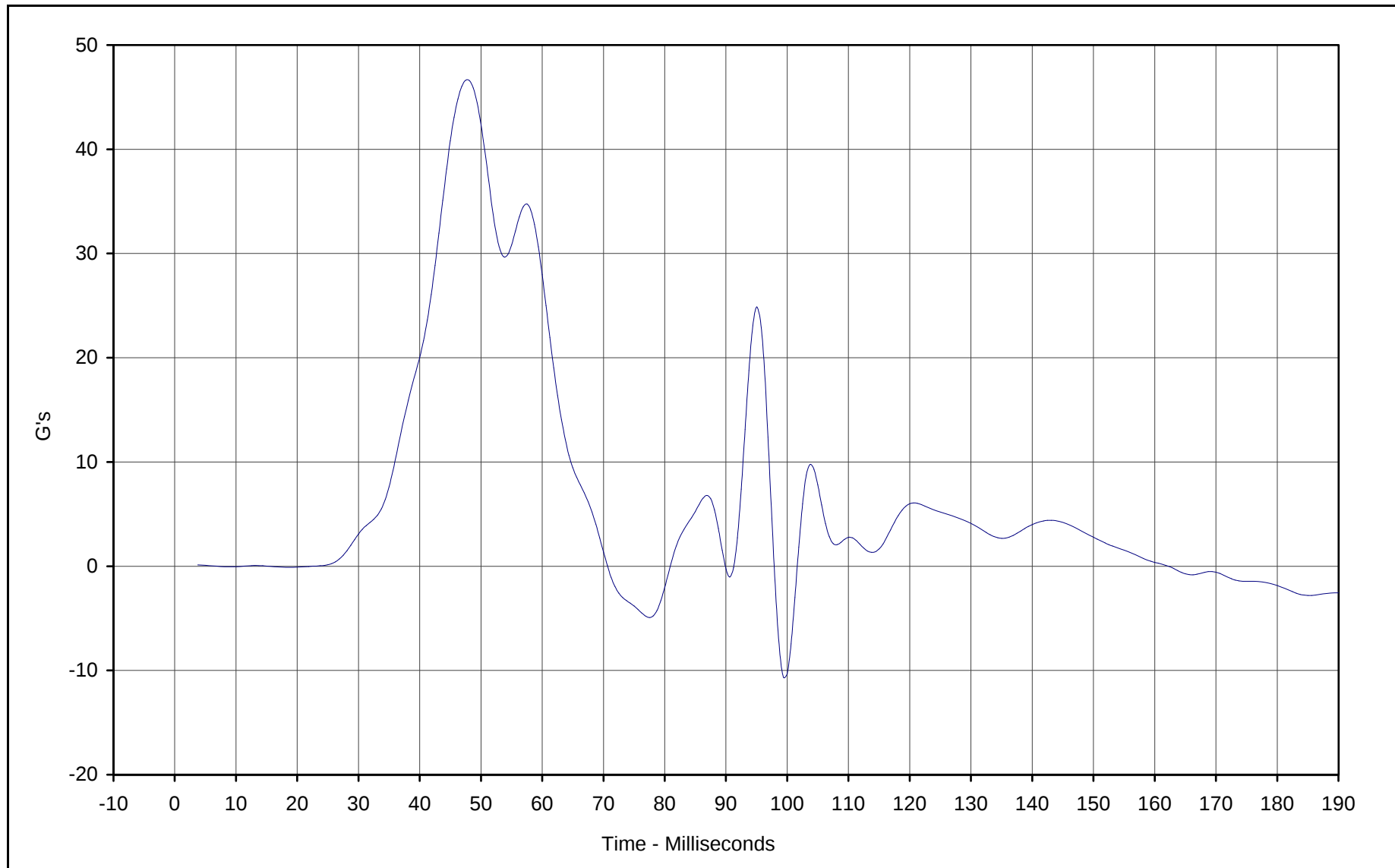




Curve Description: Pass. Upper Rib Primary Y
Maximum Value: 34.6 at 48.1 Milliseconds
Minimum Value: -10.8 at 100.0 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-017

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

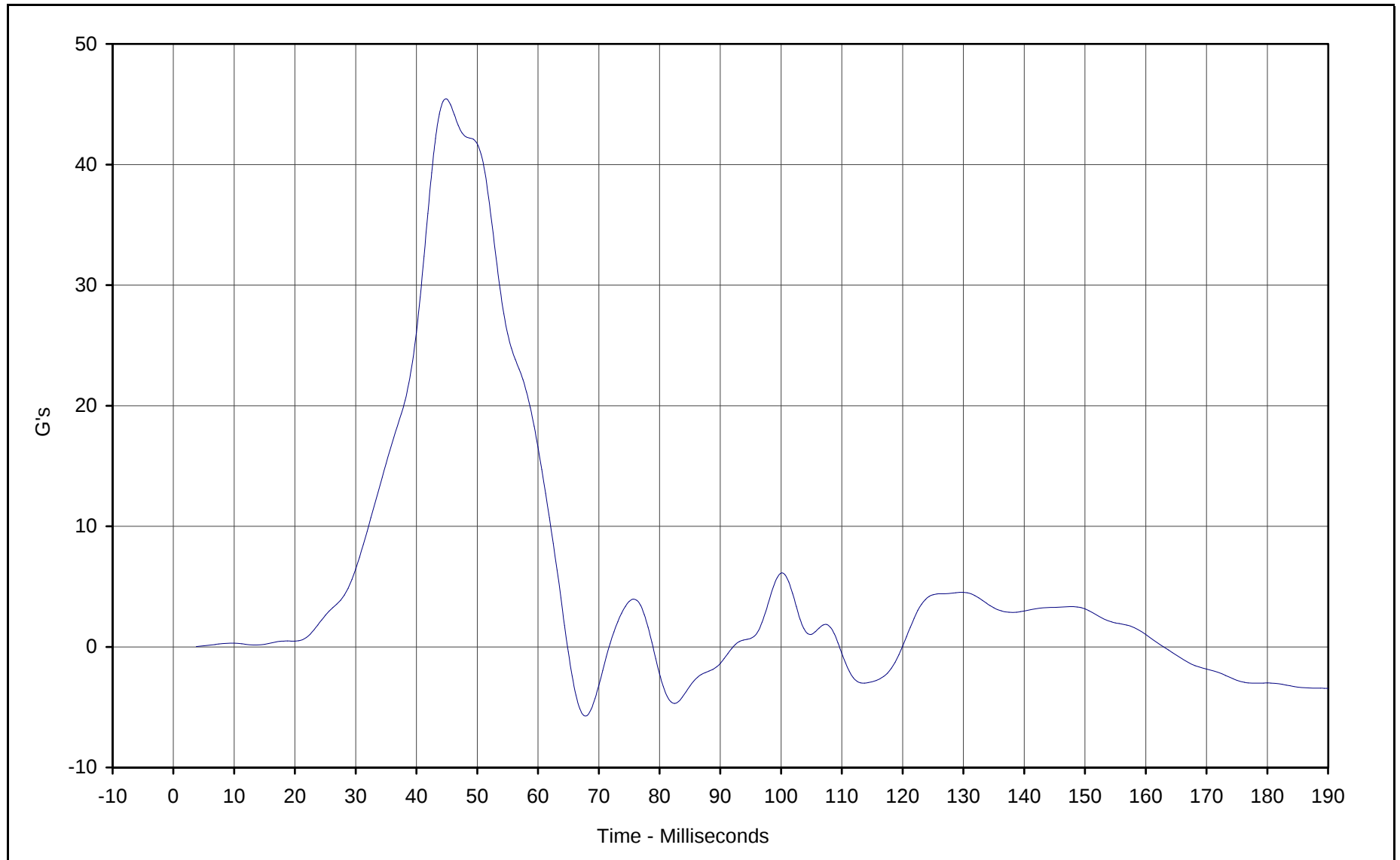




Curve Description: Pass. Lower Rib Primary Y
Maximum Value: 46.6 at 47.5 Milliseconds
Minimum Value: -10.7 at 99.4 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-018

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

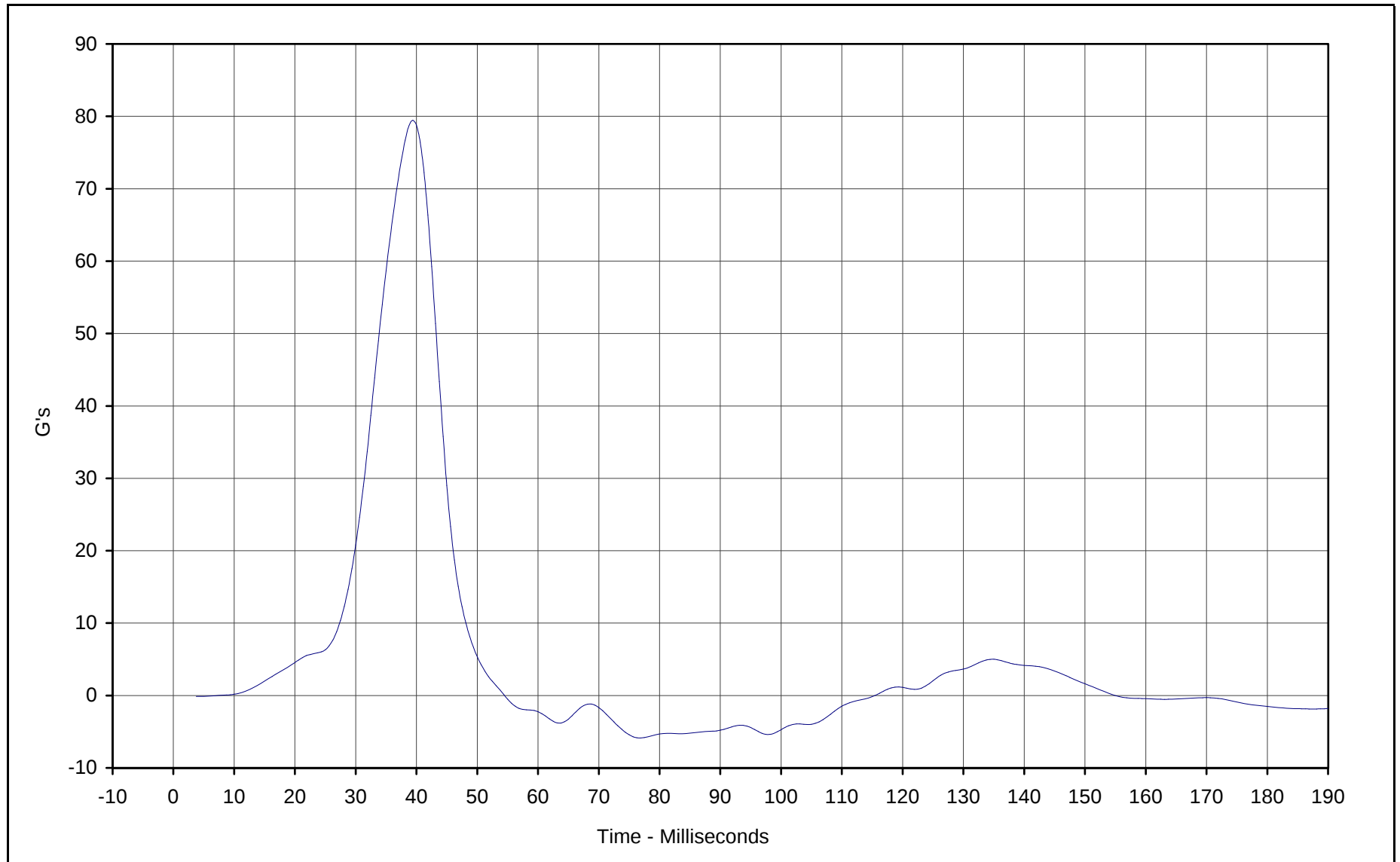




Curve Description: Pass. Lower Spine Primary Y
Maximum Value: 45.4 at 45.0 Milliseconds
Minimum Value: -5.7 at 67.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-019

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

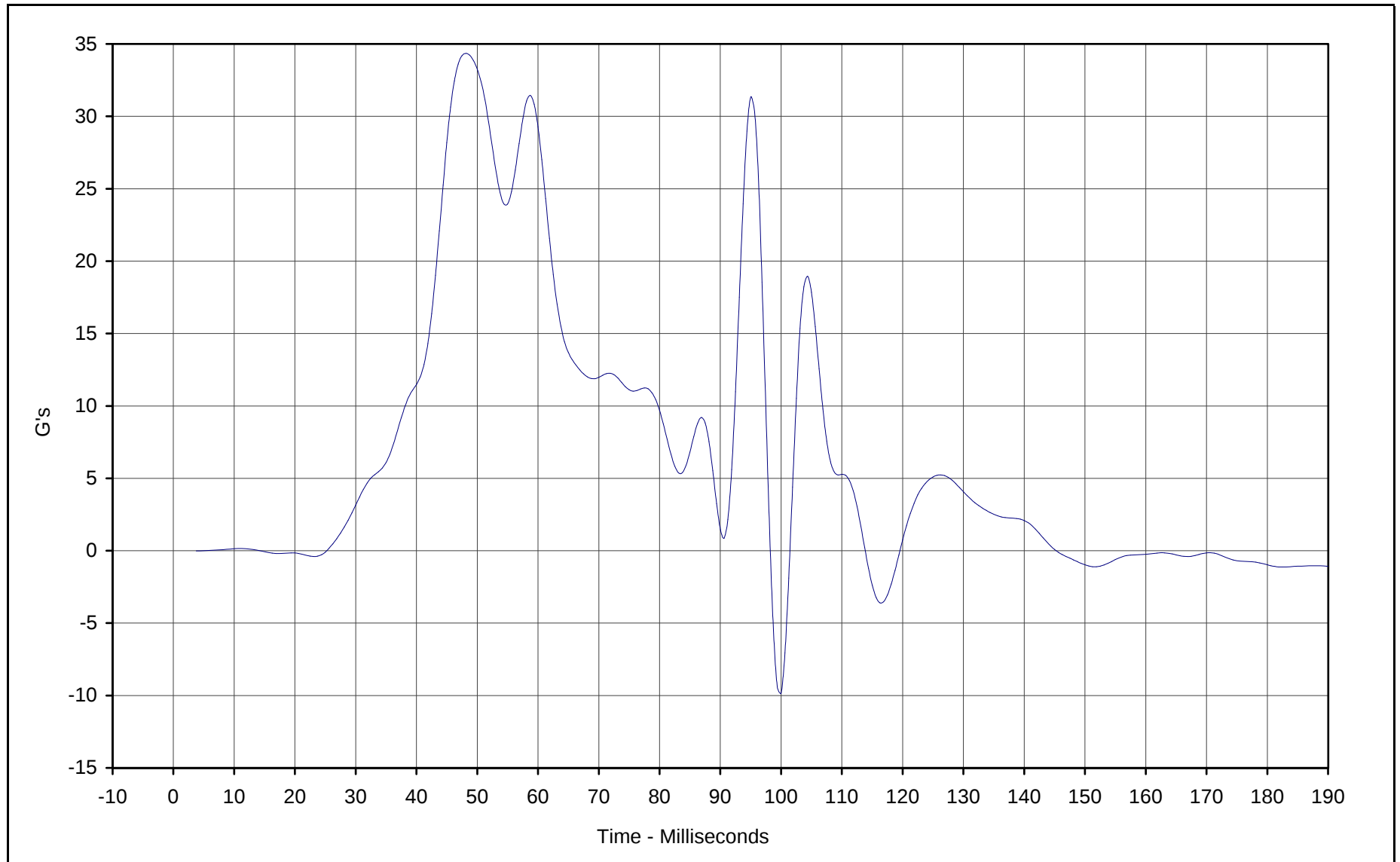




Curve Description: Pass. Pelvis Primary Y
Maximum Value: 79.5 at 39.4 Milliseconds
Minimum Value: -5.9 at 76.9 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-020

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

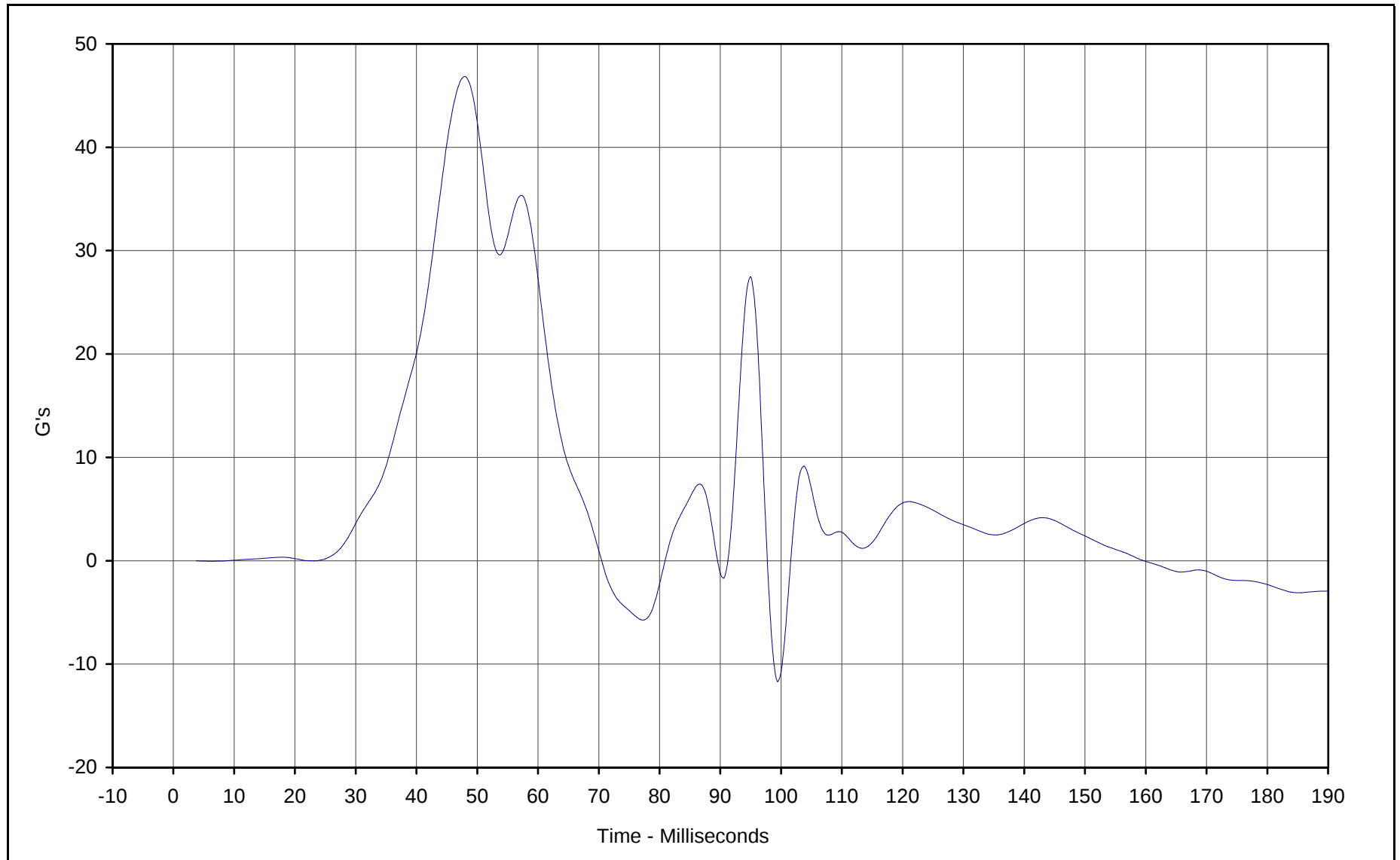




Curve Description: Pass. Upper Rib Redundant Y
Maximum Value: 34.4 at 48.1 Milliseconds
Minimum Value: -9.8 at 100.0 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-021

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

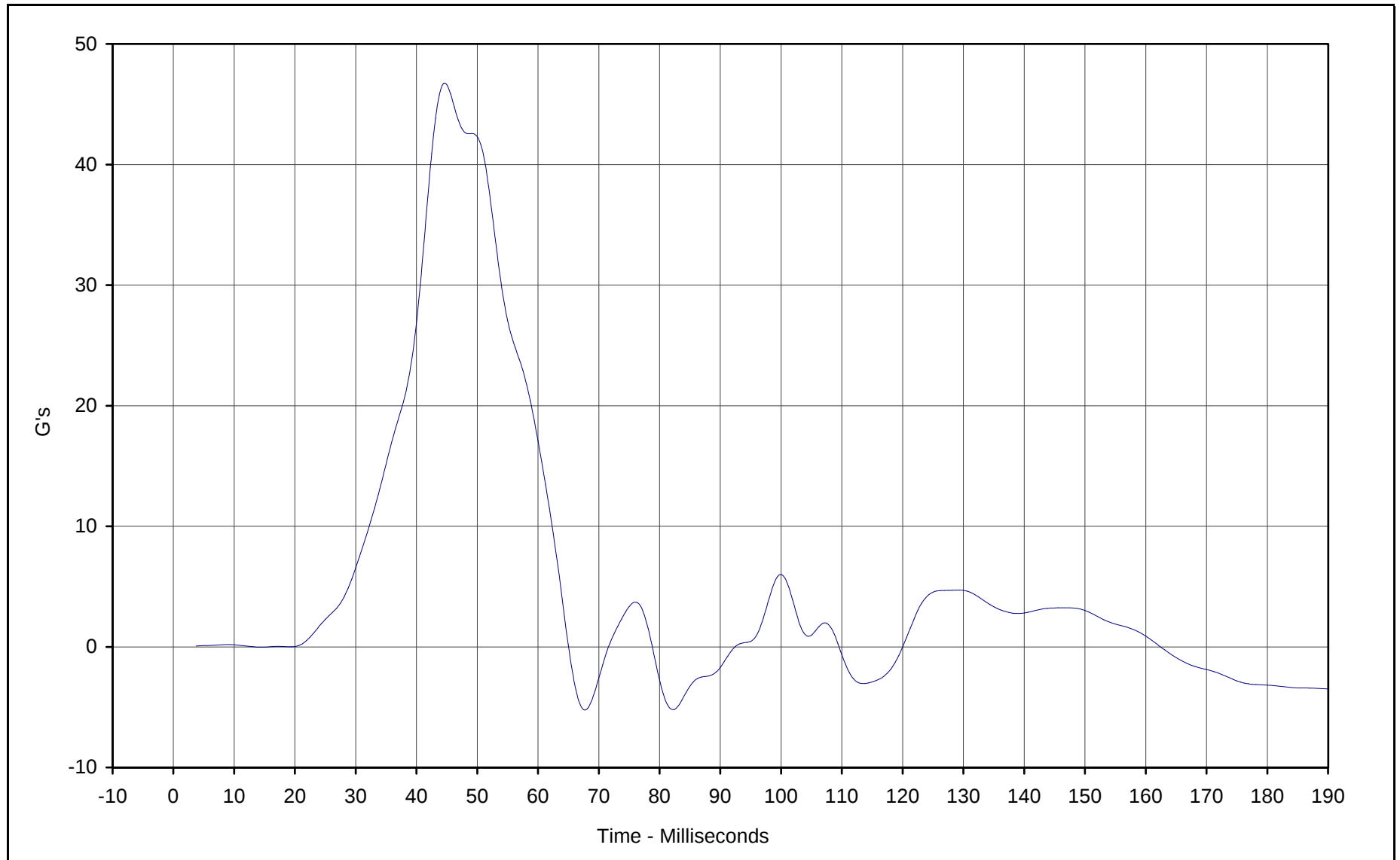




Curve Description: Pass. Lower Rib Redundant Y
Maximum Value: 46.8 at 48.1 Milliseconds
Minimum Value: -11.7 at 99.4 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-022

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV

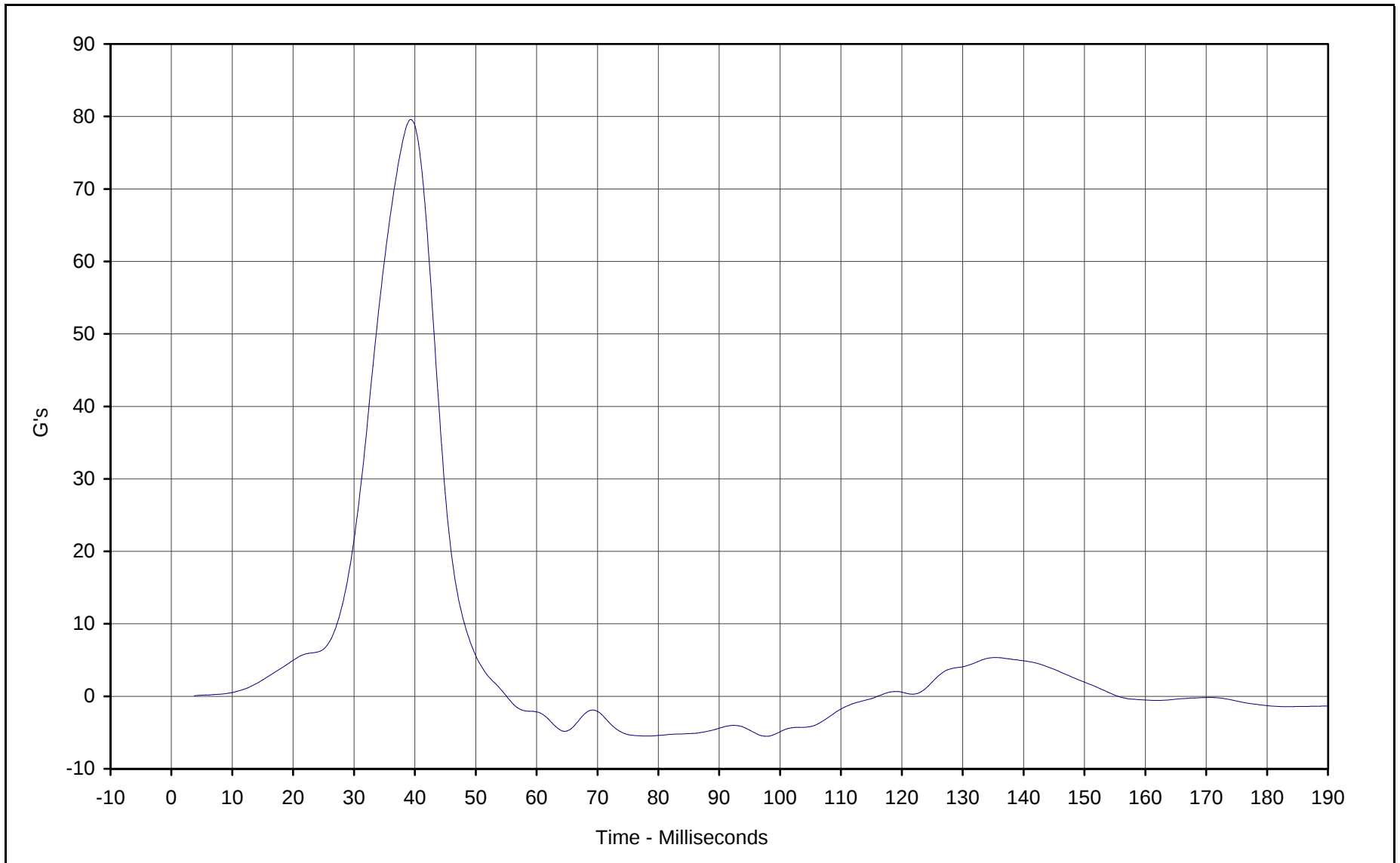




Curve Description: Pass. Lower Spine Redundant Y
Maximum Value: 46.7 at 44.4 Milliseconds
Minimum Value: -5.2 at 67.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-023

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV





Curve Description: Pass. Pelvis Redundant Y
Maximum Value: 79.6 at 39.4 Milliseconds
Minimum Value: -5.5 at 97.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02
Curve Number: FIR-024

Test Program: 55/28 km/h Side Impact NCAP No.: HO5301
Test Vehicle: 2002 Honda CR-V EX 4WD SUV



APPENDIX C
SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA

APPENDIX C
PRE-TEST SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA



Performance Verification Data Side Impact Dummy (SID) External Dimensions

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: N/A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory temperature	°C	20.4 to 22.1	21.1	Pass
Laboratory relative humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	906	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	515	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	520	Pass
KV- Knee Pivot From Floor	mm	490 to 505	500	Pass
HW- Hip Width	mm	356 to 391	365	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date



Performance Verification Data Side Impact Dummy (SID) Thorax Lateral Impact

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: TI12A

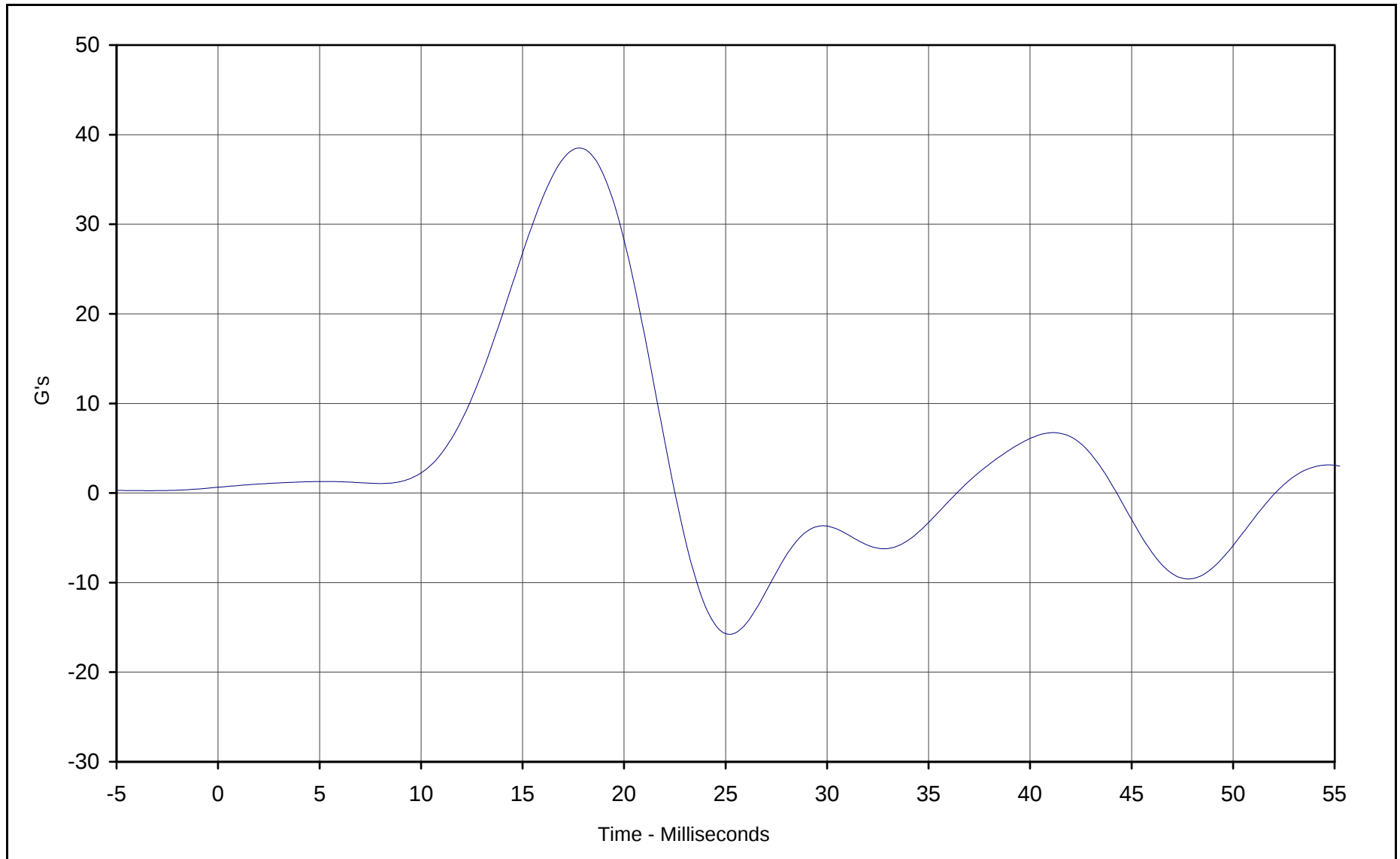
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Left Upper Rib Acceleration	G's	37.0 to 46.0	38.5	Pass
Left Lower Rib Acceleration	G's	37.0 to 46.0	37.9	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	19.3	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-3



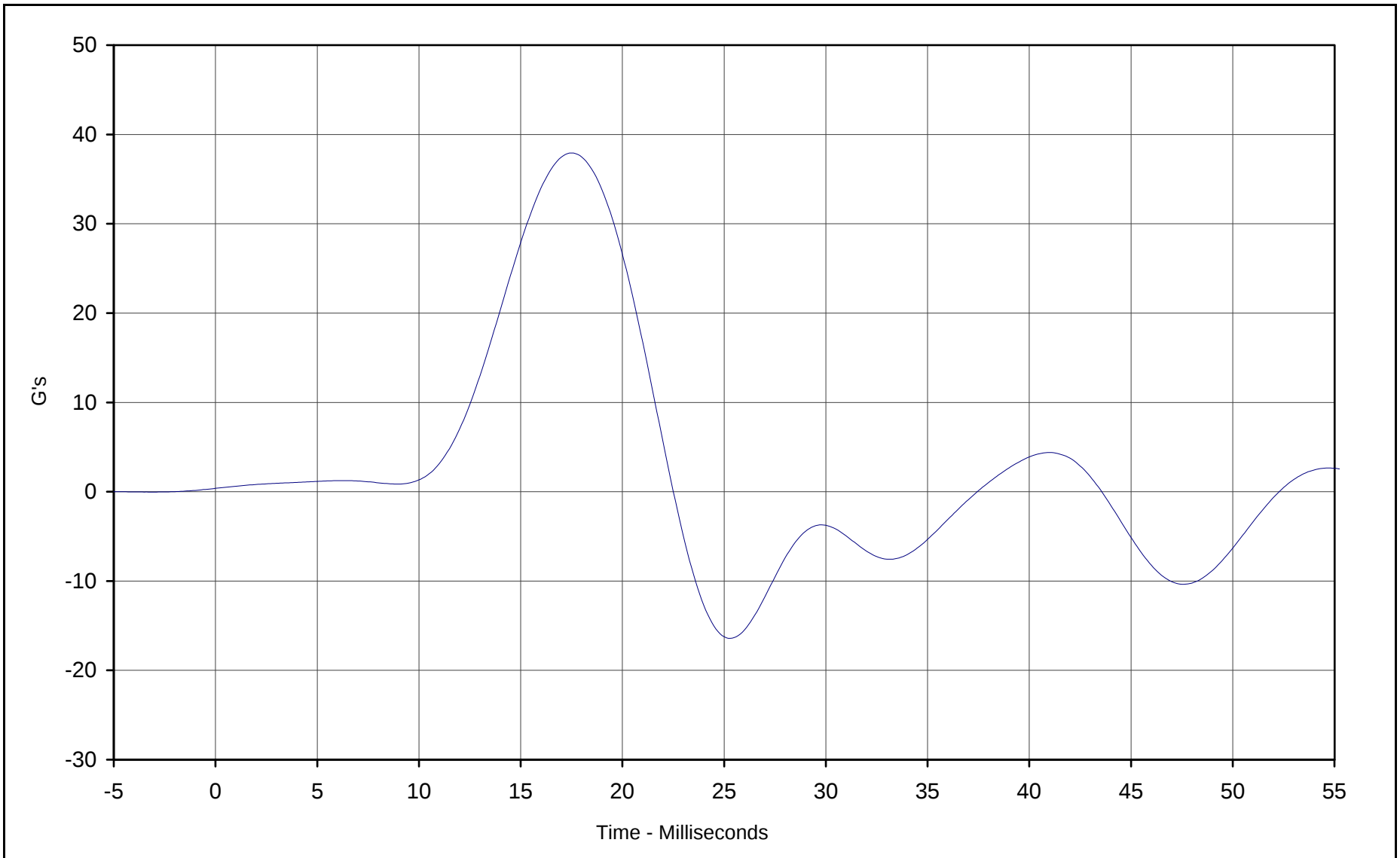
Curve Description: Left Upper Rib Y Acceleration
Maximum Value: 38.5 at 17.8 Milliseconds
Minimum Value: -15.8 at 25.2 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 12/8/01

Test Program: SID Thorax Lateral Impact Test
Test Information: SID S/N: 274 Test I.D.: TI12A



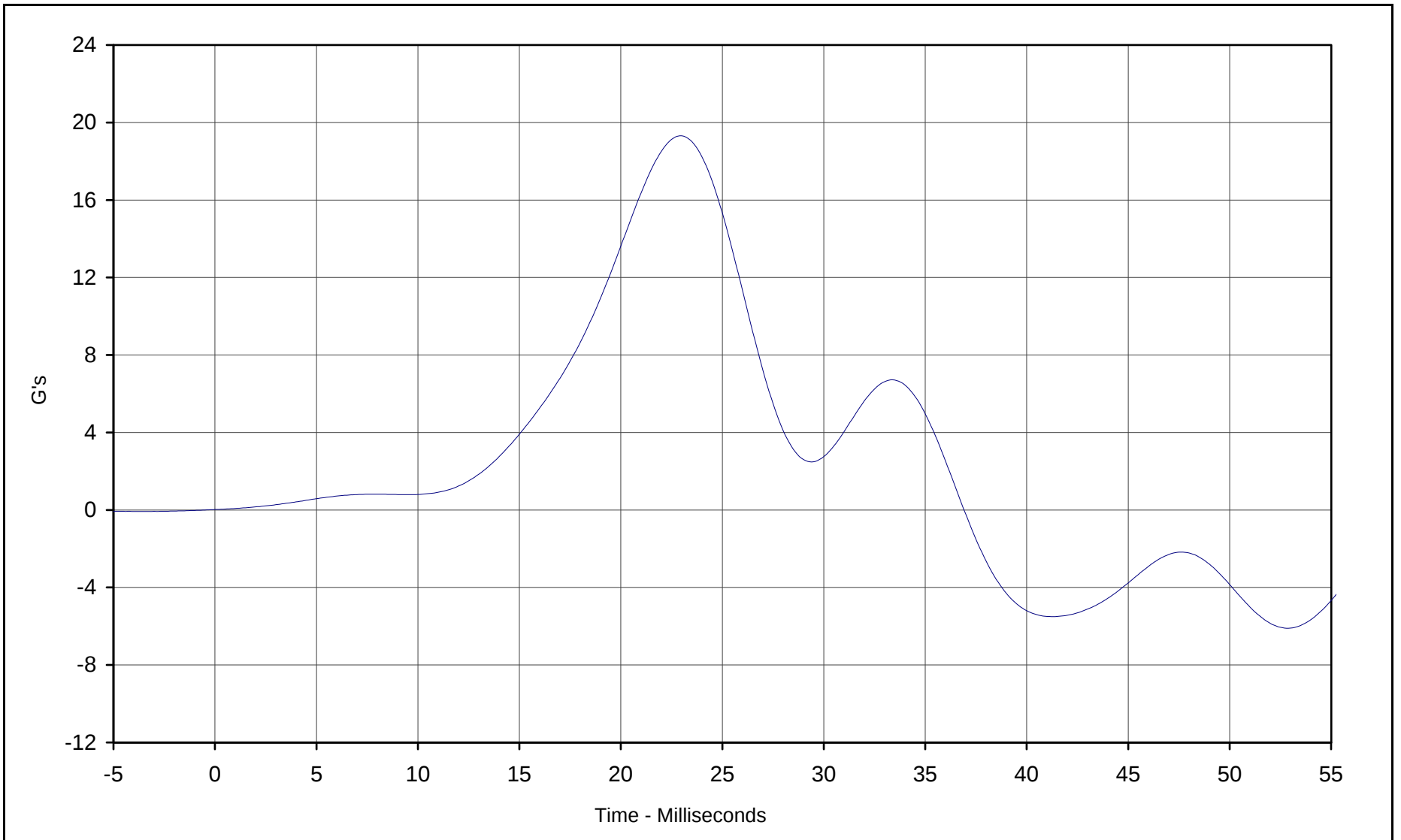
KAR21062-01

C-4

Curve Description: Left Lower Rib Y AccelerationMaximum Value: 37.9 at 17.5 MillisecondsMinimum Value: -16.4 at 25.3 MillisecondsSAE Filter Class: FIR 100Date of Test: 12/8/01Test Program: SID Thorax Lateral Impact TestTest Information: SID S/N: 274 Test I.D.: TI12A

KAR21062-01

C-5



Curve Description: Lower Spine Y Acceleration
Maximum Value: 19.3 at 23.0 Milliseconds
Minimum Value: -6.1 at 52.8 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 12/8/01

Test Program: SID Thorax Lateral Impact Test
Test Information: SID S/N: 274 Test I.D.: TI12A



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Left Side Pelvis Lateral Impact

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: PI12A

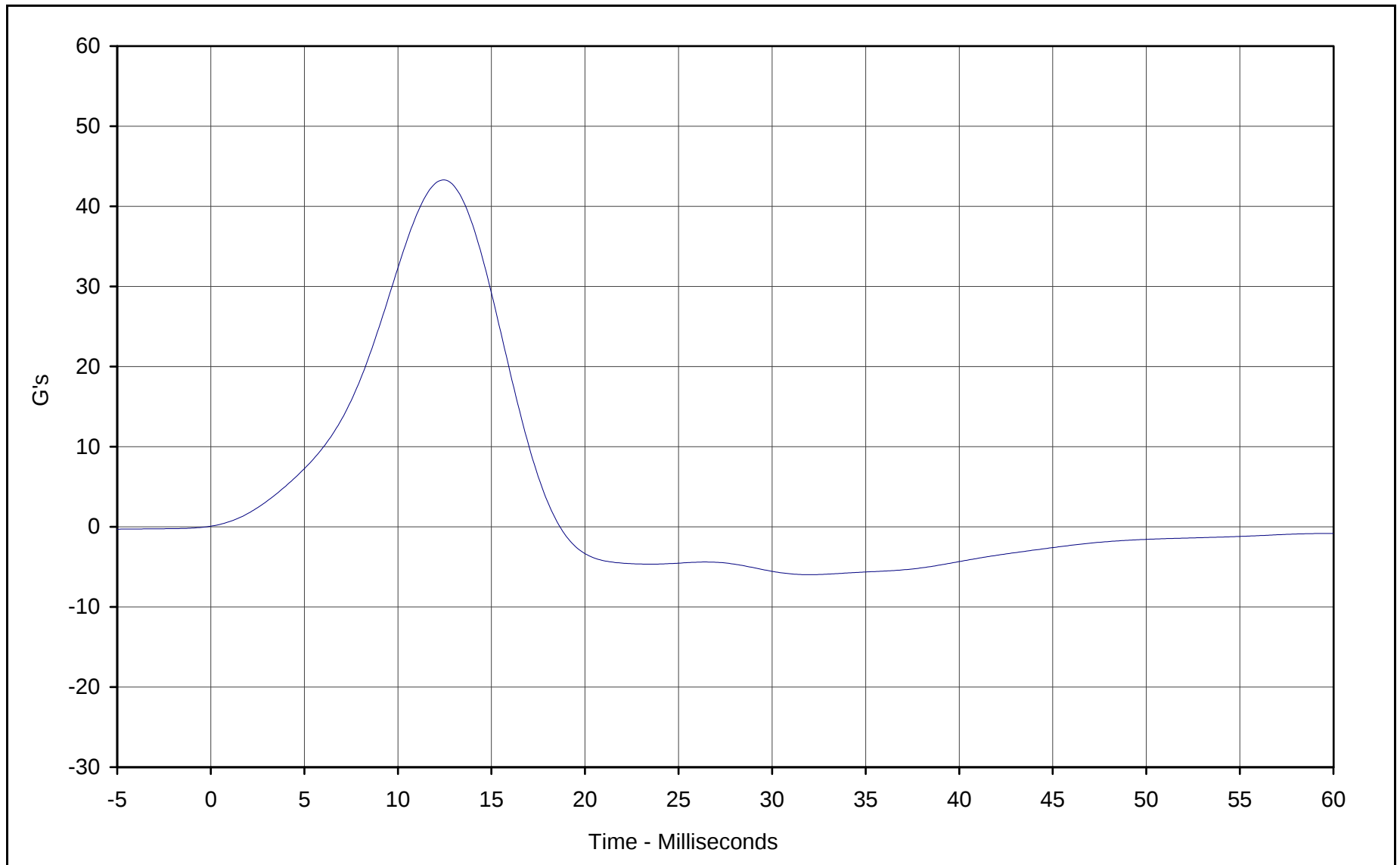
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.33	Pass
Pelvis Acceleration	G's	40.0 to 60.0	43.3	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0 Msec.	6.8	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-7



Curve Description: Pelvis Y Axis Acceleration
Maximum Value: 43.3 at 12.4 Milliseconds
Minimum Value: -6.0 at 31.9 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 12/8/01

Test Program: SID Left Side Pelvis Lateral Impact
Test Information: SID S/N: 274 Test I.D.: PI12A



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Abdominal Compression Test

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: AB12A

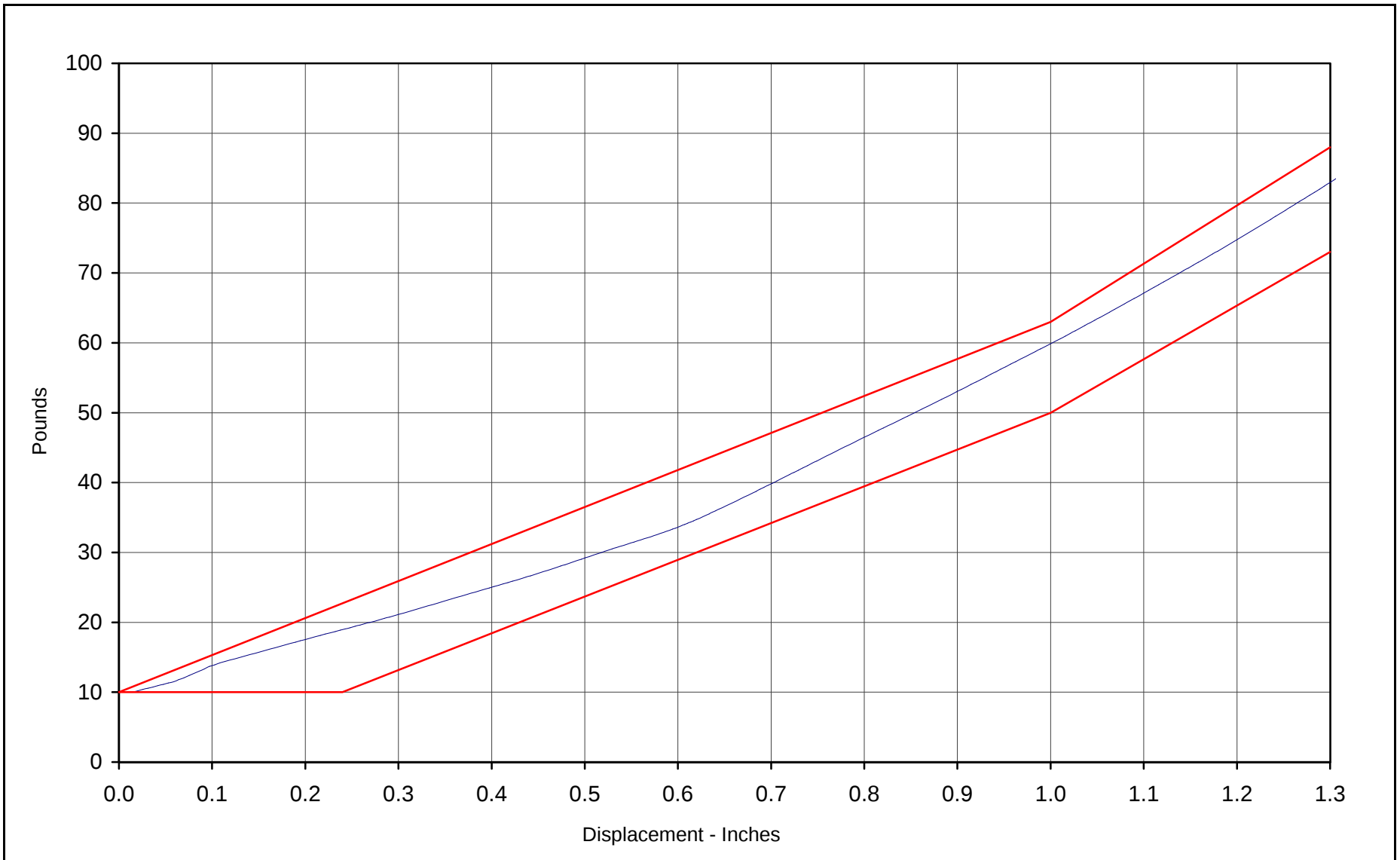
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Force at 0.5 Inches of Displacement	Pounds	23.0 to 36.0	29.0	Pass
Force at 0.75 Inches of Displacement	Pounds	36.0 to 50.0	43.1	Pass
Force at 1.0 Inches of Displacement	Pounds	50.0 to 63.0	59.9	Pass
Force at 1.3 Inches of Displacement	Pounds	73.0 to 88.0	82.9	Pass
Overall Test Results				Pass

Laboratory Technician

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Test Date

C-9

Curve Description: Abdomen Force vs. DisplacementForce at 0.5 In.: 29.0 PoundsForce at 0.75 In.: 43.1 PoundsForce at 1.0 In.: 59.9 PoundsForce at 1.3 In.: 82.9 PoundsDate of Test: 12/8/01Test Program: SID Abdominal CompressionTest Information: SID S/N: 274 Test I.D.: AB12A

KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Head Drop Calibration

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: SH12A

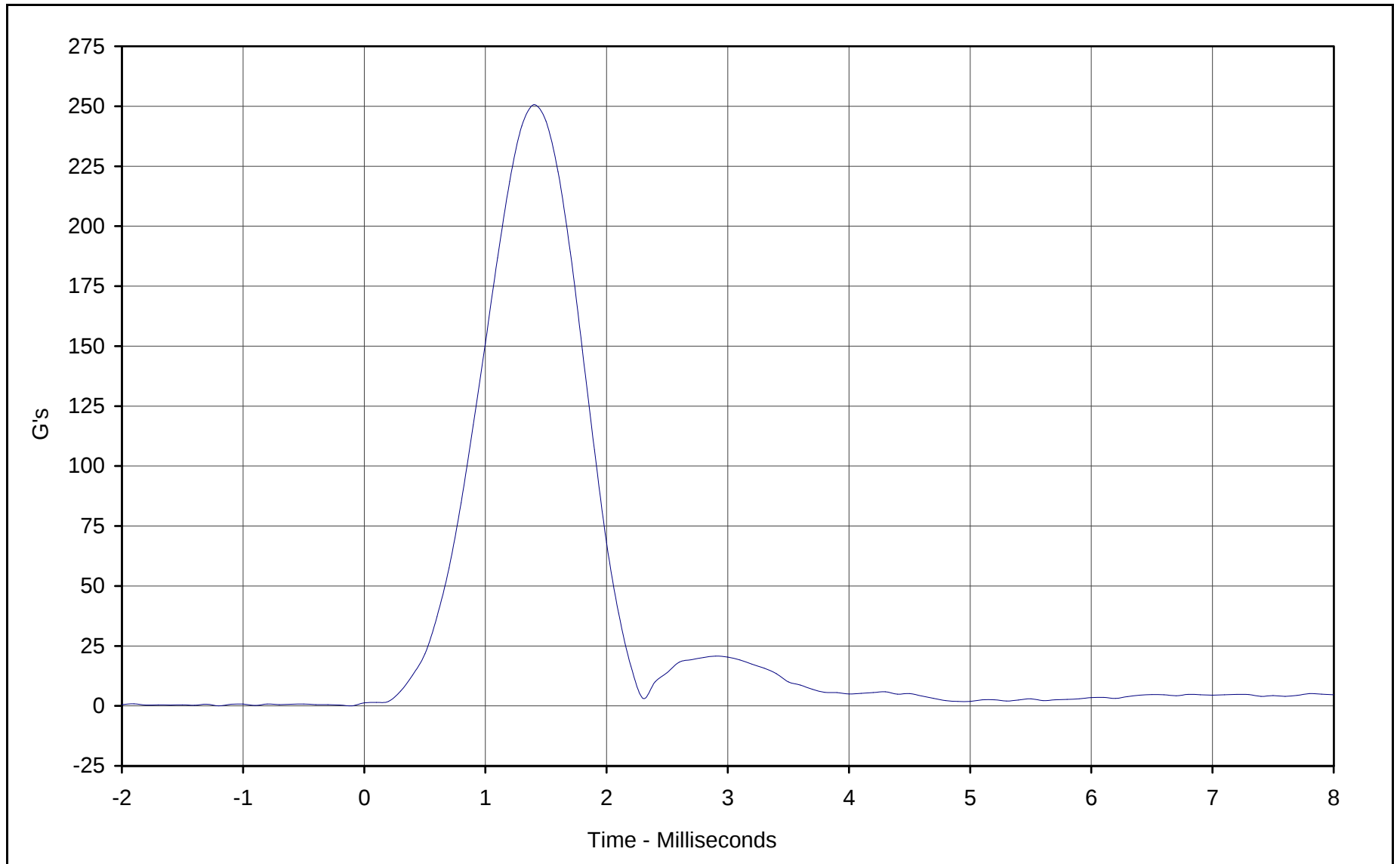
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	210.0 to 260.0	250.6	Pass
Peak Lateral Acceleration	G's	≤10.0	4.0	Pass
Time Above 100 G's	Msec.	0.9 to 1.5	1.1	Pass
Is Resultant Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-11



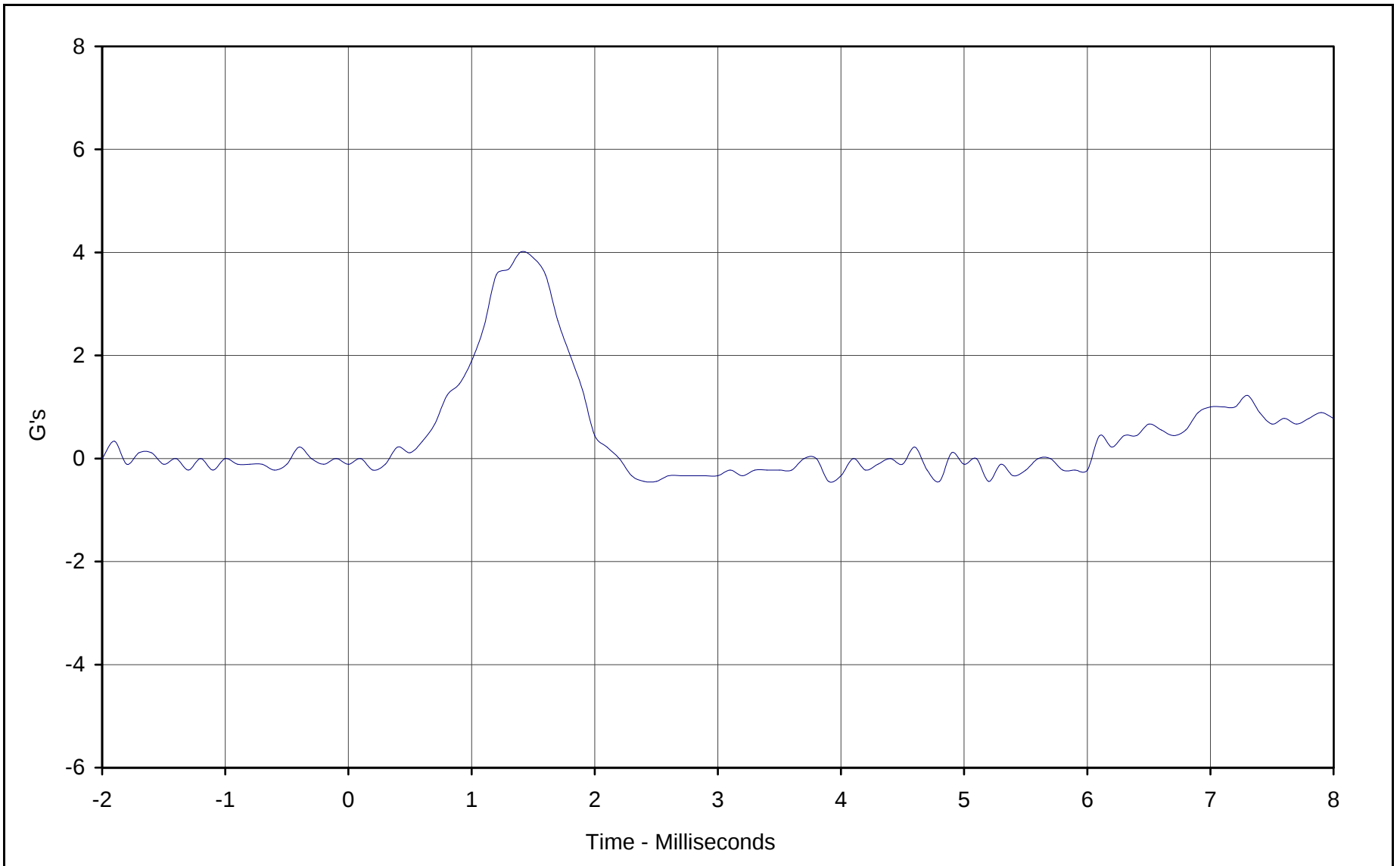
Curve Description: Head Resultant Acceleration
Maximum Value: 250.6 at 1.4 Milliseconds
Minimum Value: 1.3 at 0.0 Milliseconds
SAE Filter Class: 1000
Date of Test: 12/8/01

Test Program: SID Head Drop Calibration
Test Information: SID S/N: 274 Test I.D.: SH12A



KAR21062-01

C-12



Curve Description: Head Y Axis Acceleration

Maximum Value:	<u>4.0</u>	at	<u>1.4</u>	Milliseconds
Minimum Value:	<u>-0.4</u>	at	<u>2.4</u>	Milliseconds
SAE Filter Class:	<u>1000</u>			
Date of Test:	<u>12/8/01</u>			

Test Program:	<u>SID Head Drop Calibration</u>
Test Information:	<u>SID S/N: 274 Test I.D.: SH12A</u>



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) External Dimensions

ATD Serial No.: 275

Part Serial No.: N/A

Test I.D.: N/A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory temperature	°C	20.4 to 22.1	21.1	Pass
Laboratory relative humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	905	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	510	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	520	Pass
KV- Knee Pivot From Floor	mm	490 to 505	500	Pass
HW- Hip Width	mm	356 to 391	375	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date



Performance Verification Data Side Impact Dummy (SID) Thorax Lateral Impact

ATD Serial No.: 275

Part Serial No.: N/A

Test I.D.: TI12B

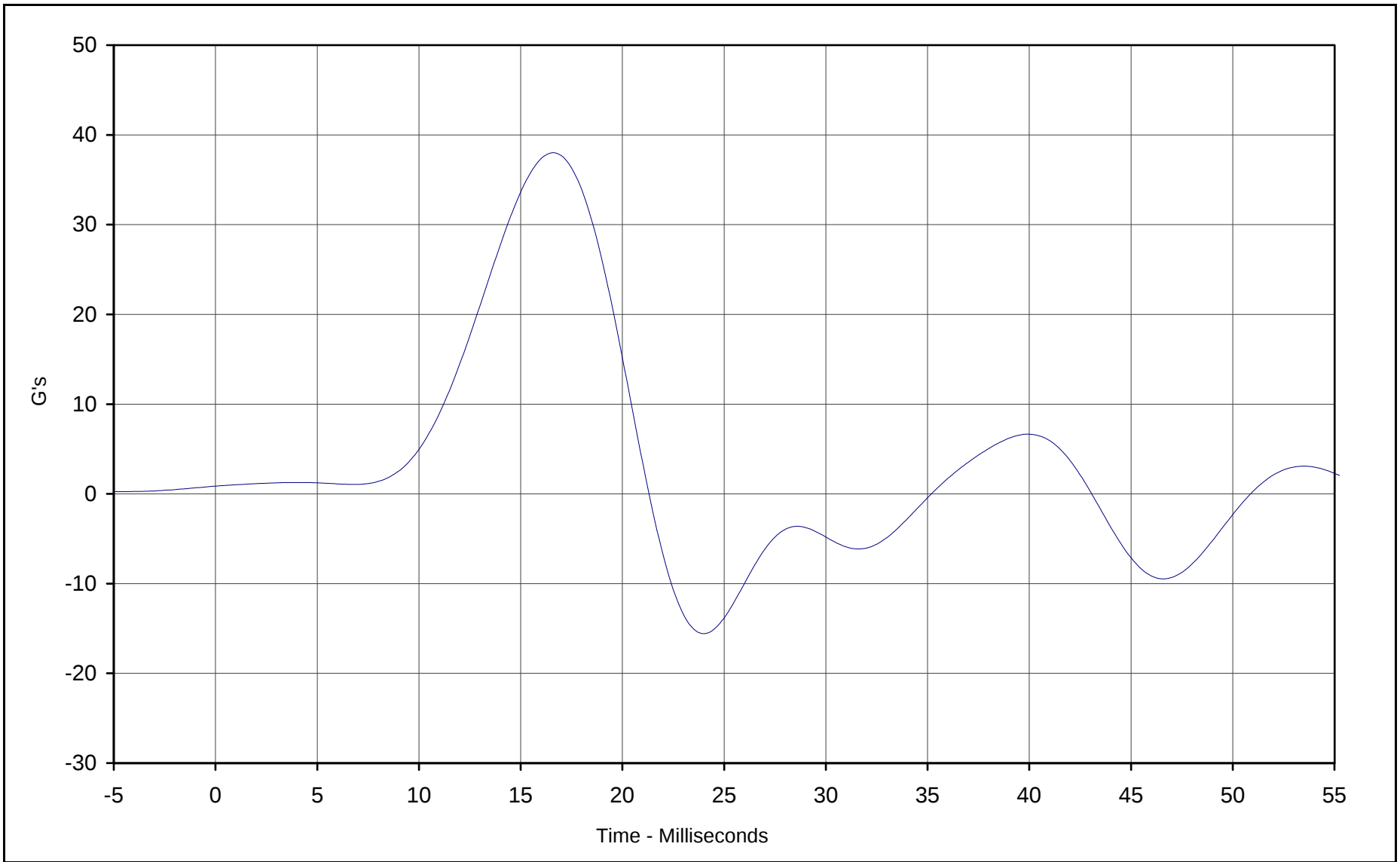
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Left Upper Rib Acceleration	G's	37.0 to 46.0	38.0	Pass
Left Lower Rib Acceleration	G's	37.0 to 46.0	38.2	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	18.9	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-15



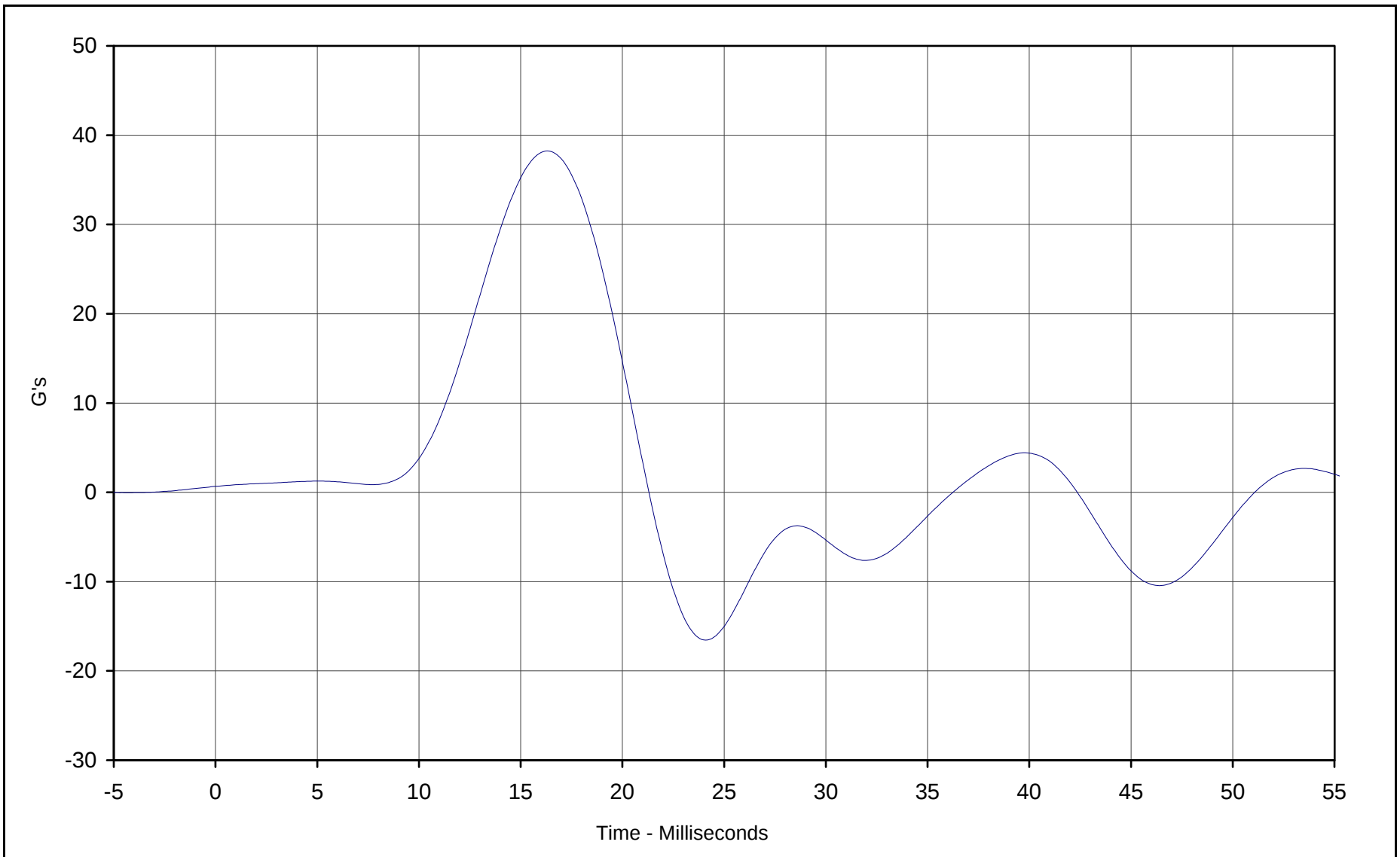
Curve Description: Left Upper Rib Y Acceleration
Maximum Value: 38.0 at 17.1 Milliseconds
Minimum Value: -15.6 at 24.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 12/8/01

Test Program: SID Thorax Lateral Impact Test
Test Information: SID S/N: 275 Test I.D.: TI12B



KAR21062-01

C-16



Curve Description: Left Lower Rib Y Acceleration

Maximum Value: 38.2 at 16.8 Milliseconds

Minimum Value: -16.6 at 24.6 Milliseconds

SAE Filter Class: FIR 100

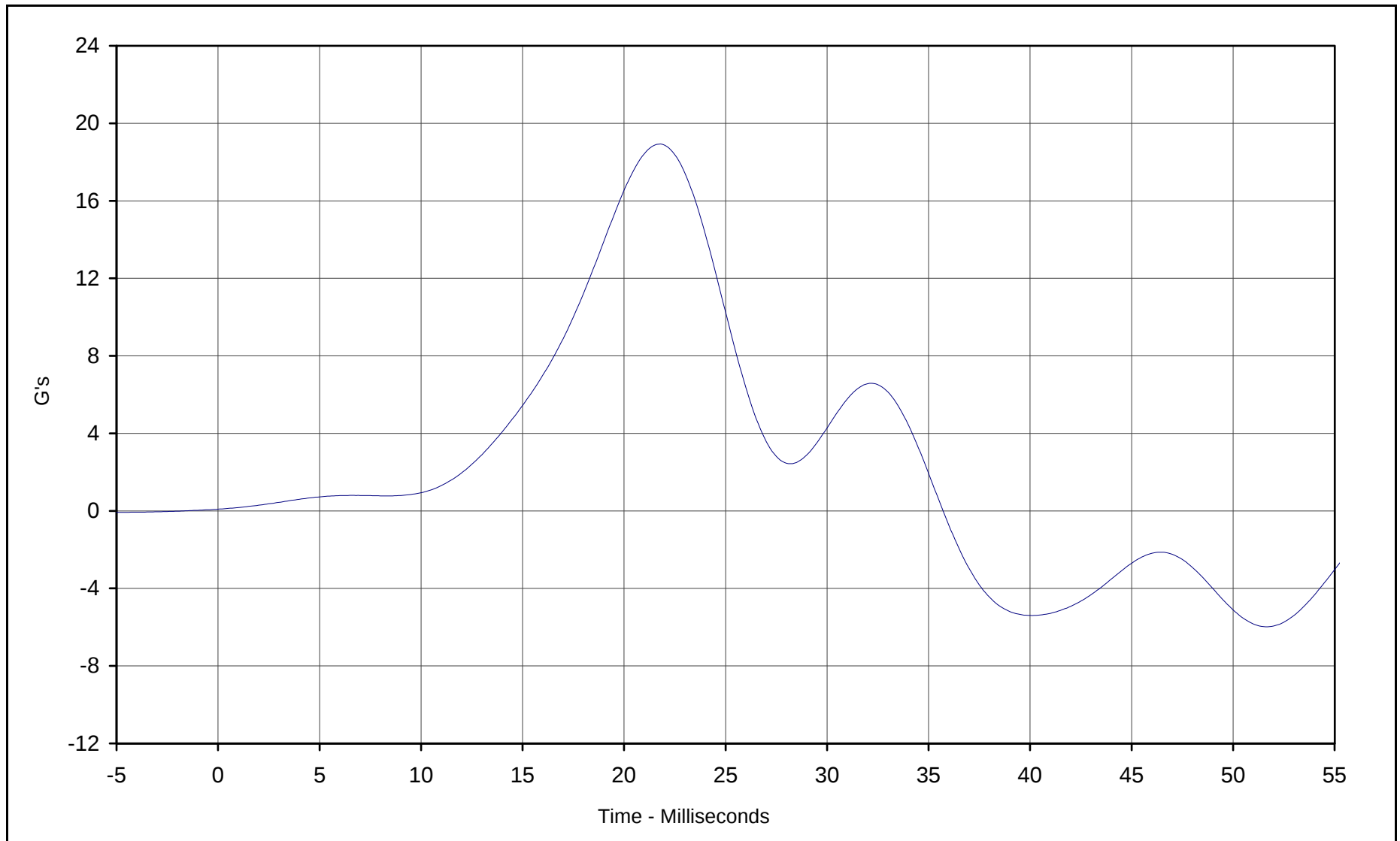
Date of Test: 12/8/01

Test Program: SID Thorax Lateral Impact Test

Test Information: SID S/N: 275 Test I.D.: TI12B



KAR21062-01



Curve Description: Lower Spine Y Acceleration
Maximum Value: 18.9 at 22.3 Milliseconds
Minimum Value: -6.0 at 52.1 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 12/8/01

Test Program: SID Thorax Lateral Impact Test
Test Information: SID S/N: 275 Test I.D.: TI12B





Performance Verification Data Side Impact Dummy (SID) Left Side Pelvis Lateral Impact

ATD Serial No.: 275

Part Serial No.: N/A

Test I.D.: PI12B

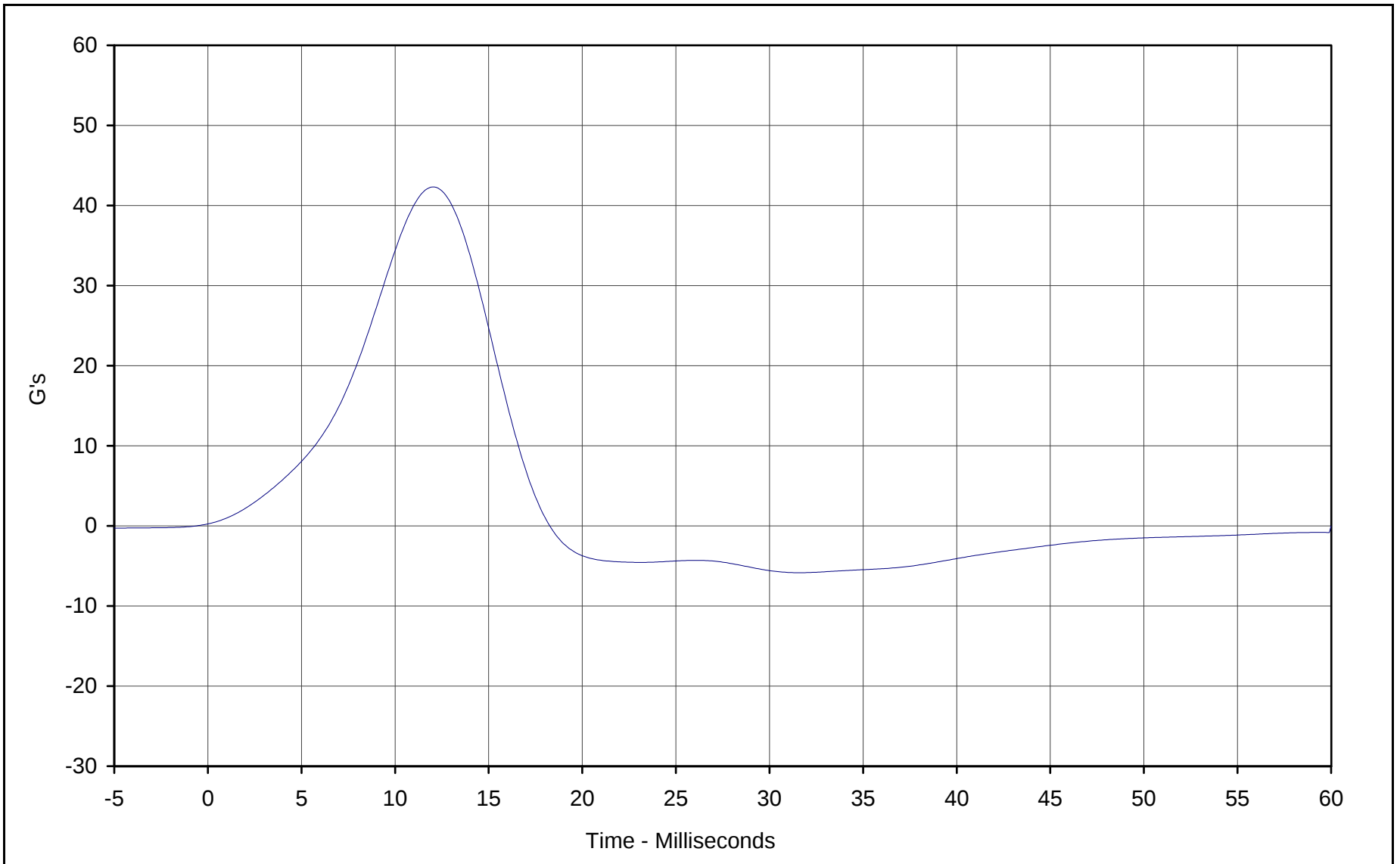
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.33	Pass
Pelvis Acceleration	G's	40.0 to 60.0	42.3	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0 Msec.	7.0	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-19



Curve Description: Pelvis Y Axis Acceleration
Maximum Value: 42.3 at 12.0 Milliseconds
Minimum Value: -5.8 at 31.5 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 12/8/01

Test Program: SID Left Side Pelvis Lateral Impact
Test Information: SID S/N: 275 Test I.D.: PI12B



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Abdominal Compression Test

ATD Serial No.: 275

Part Serial No.: N/A

Test I.D.: AB12B

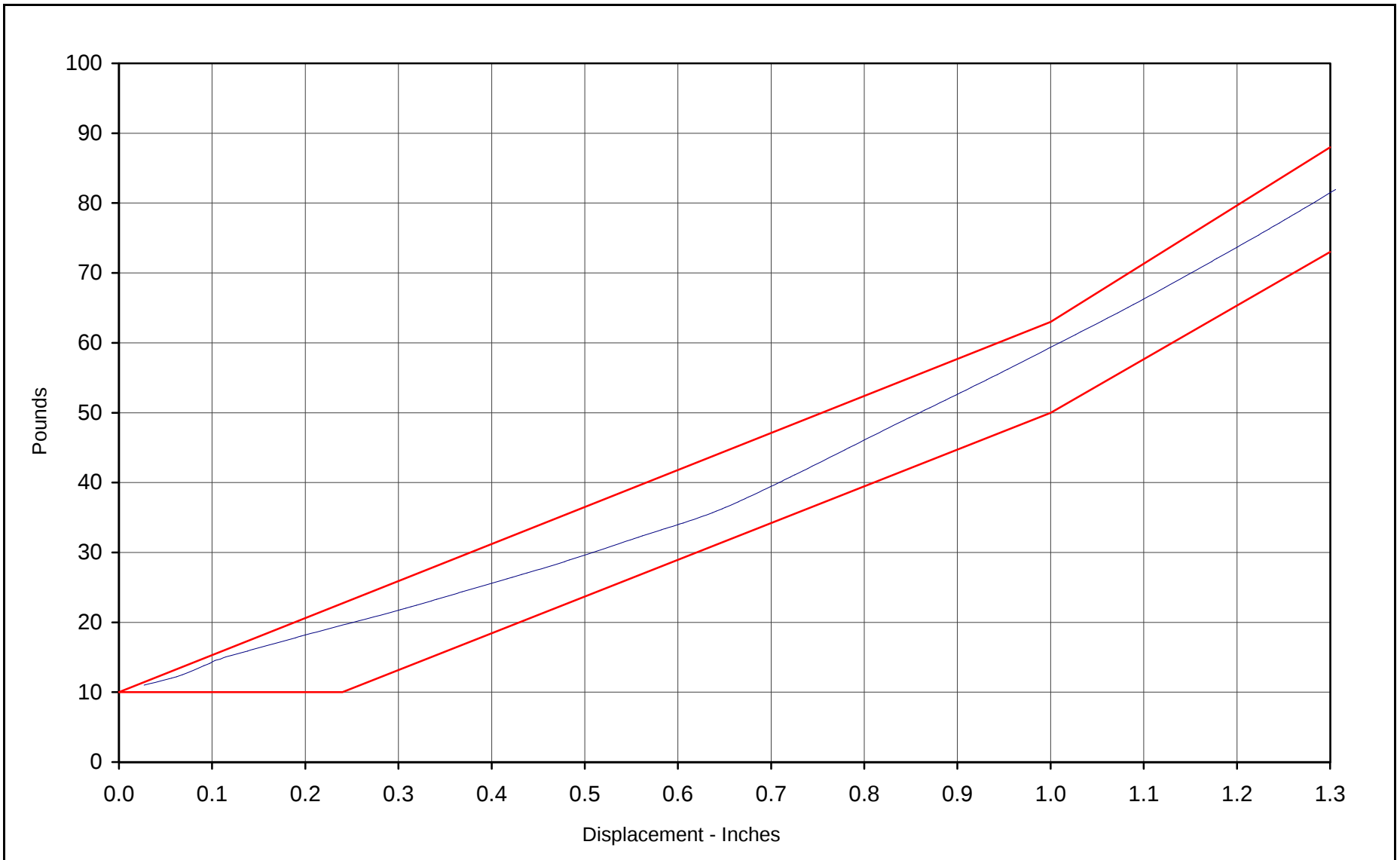
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Force at 0.5 Inches of Displacement	Pounds	23.0 to 36.0	29.5	Pass
Force at 0.75 Inches of Displacement	Pounds	36.0 to 50.0	42.7	Pass
Force at 1.0 Inches of Displacement	Pounds	50.0 to 63.0	59.3	Pass
Force at 1.3 Inches of Displacement	Pounds	73.0 to 88.0	81.1	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-21



Curve Description: Abdomen Force vs. Displacement

Force at 0.5 In.: 29.5 Pounds

Force at 0.75 In.: 42.7 Pounds

Force at 1.0 In.: 59.3 Pounds

Force at 1.3 In.: 81.1 Pounds

Date of Test: 12/8/01

Test Program: SID Abdominal Compression

Test Information: SID S/N: 275 Test I.D.: AB12B



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Head Drop Calibration

ATD Serial No.: 275

Part Serial No.: N/A

Test I.D.: SH12B

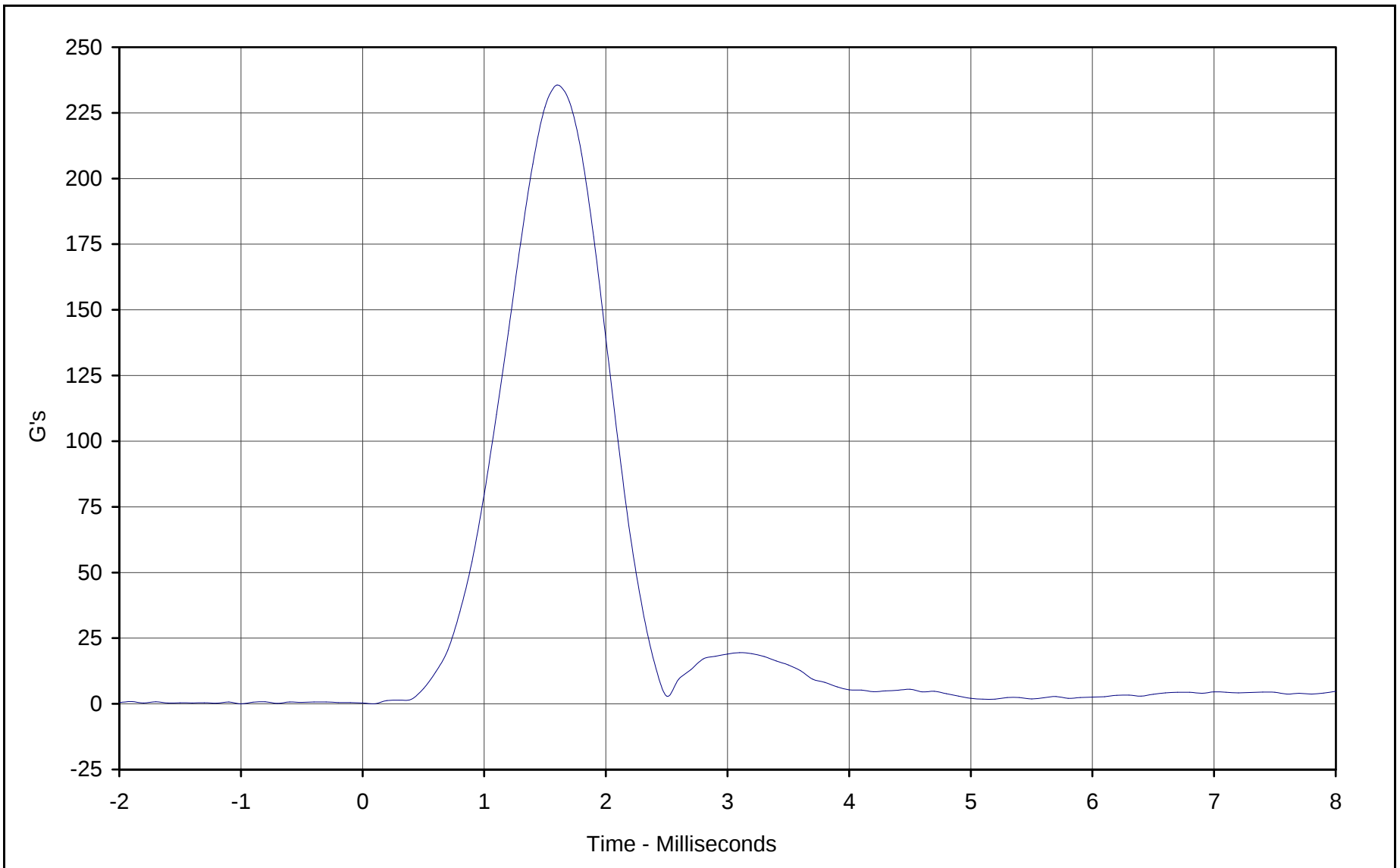
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	210.0 to 260.0	235.6	Pass
Peak Lateral Acceleration	G's	≤10.0	2.0	Pass
Time Above 100 G's	Msec.	0.9 to 1.5	1.1	Pass
Is Resultant Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

December 8, 2001

Test Date

C-23



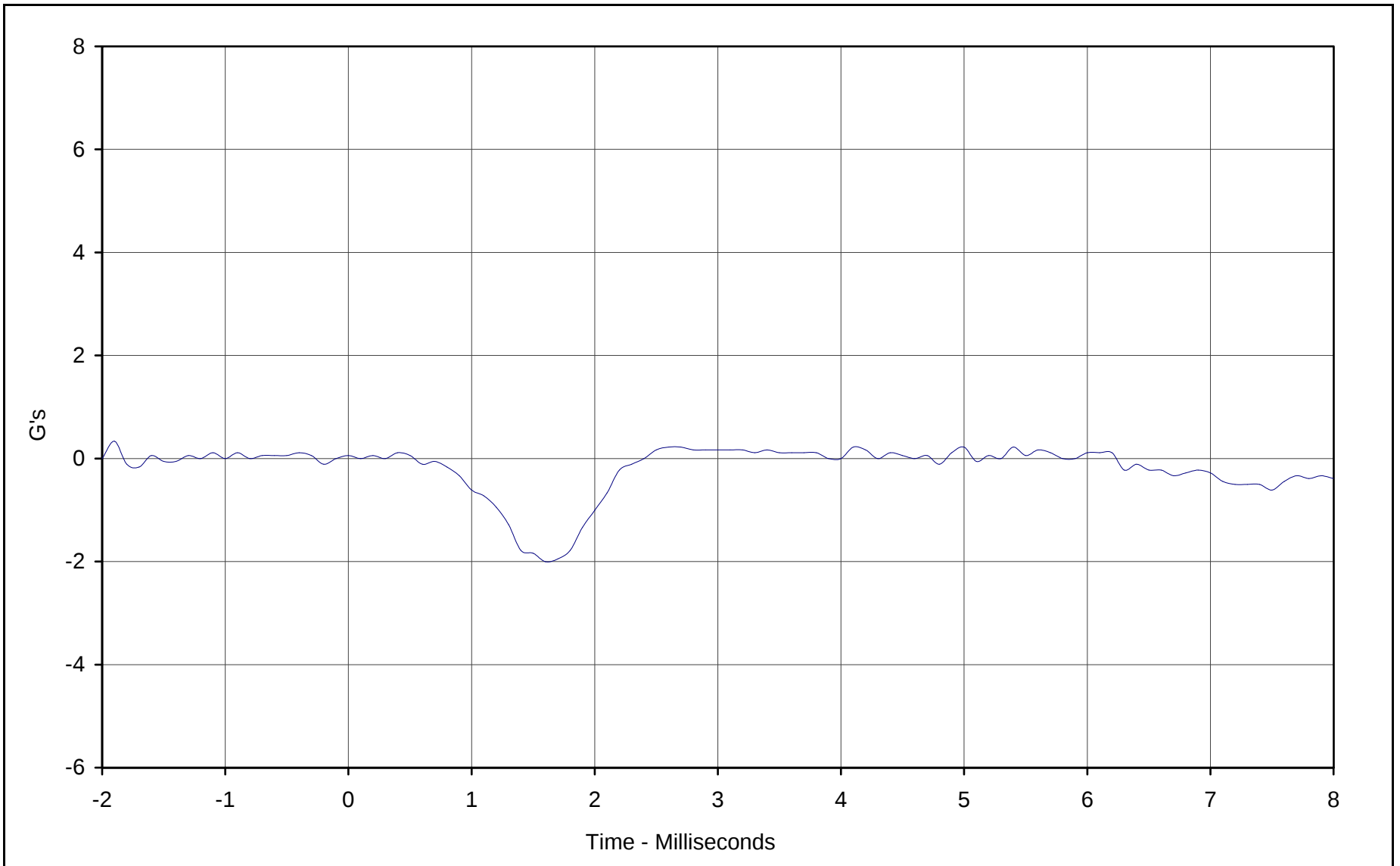
Curve Description: Head Resultant Acceleration
Maximum Value: 235.6 at 1.6 Milliseconds
Minimum Value: 0.0 at 0.1 Milliseconds
SAE Filter Class: 1000
Date of Test: 12/8/01

Test Program: SID Head Drop Calibration
Test Information: SID S/N: 275 Test I.D.: SH12B



KAR21062-01

C-24



Curve Description: Head Y Axis Acceleration
Maximum Value: 0.2 at 2.6 Milliseconds
Minimum Value: -2.0 at 1.6 Milliseconds
SAE Filter Class: 1000
Date of Test: 12/8/01

Test Program: SID Head Drop Calibration
Test Information: SID S/N: 275 Test I.D.: SH12B



KAR21062-01

APPENDIX C
POST-TEST SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA



Performance Verification Data Side Impact Dummy (SID) External Dimensions

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: N/A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory temperature	°C	20.4 to 22.1	21.1	Pass
Laboratory relative humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	905	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	510	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	515	Pass
KV- Knee Pivot From Floor	mm	490 to 505	495	Pass
HW- Hip Width	mm	356 to 391	380	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002

Test Date



Performance Verification Data Side Impact Dummy (SID) Thorax Lateral Impact

ATD Serial No.: 274

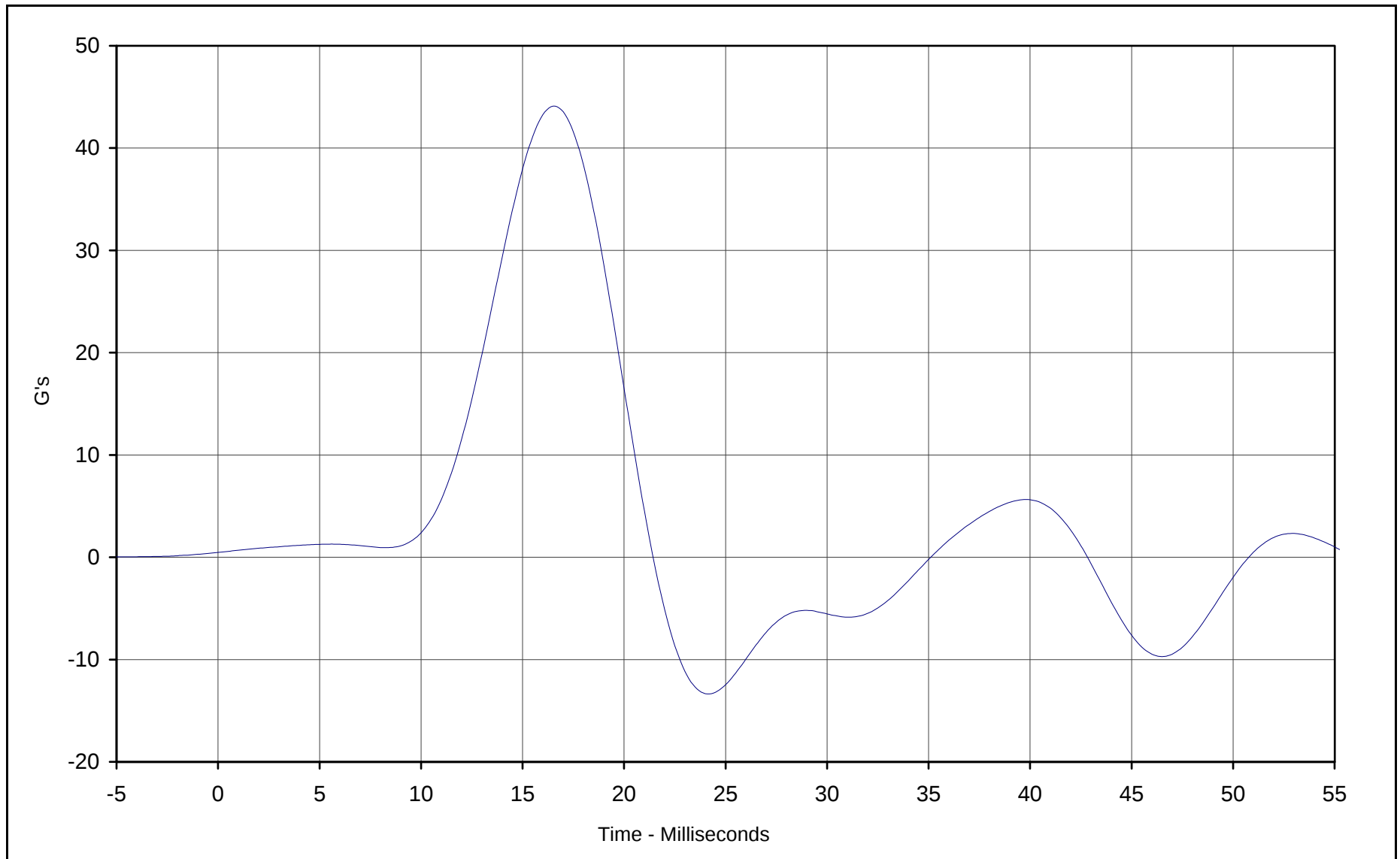
Part Serial No.: N/A

Test I.D.: TI01A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Left Upper Rib Acceleration	G's	37.0 to 46.0	44.1	Pass
Left Lower Rib Acceleration	G's	37.0 to 46.0	42.8	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	19.5	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date



Curve Description: Left Upper Rib Y Acceleration

Maximum Value: 44.1 at 16.6 Milliseconds

Minimum Value: -13.4 at 24.1 Milliseconds

SAE Filter Class: FIR 100

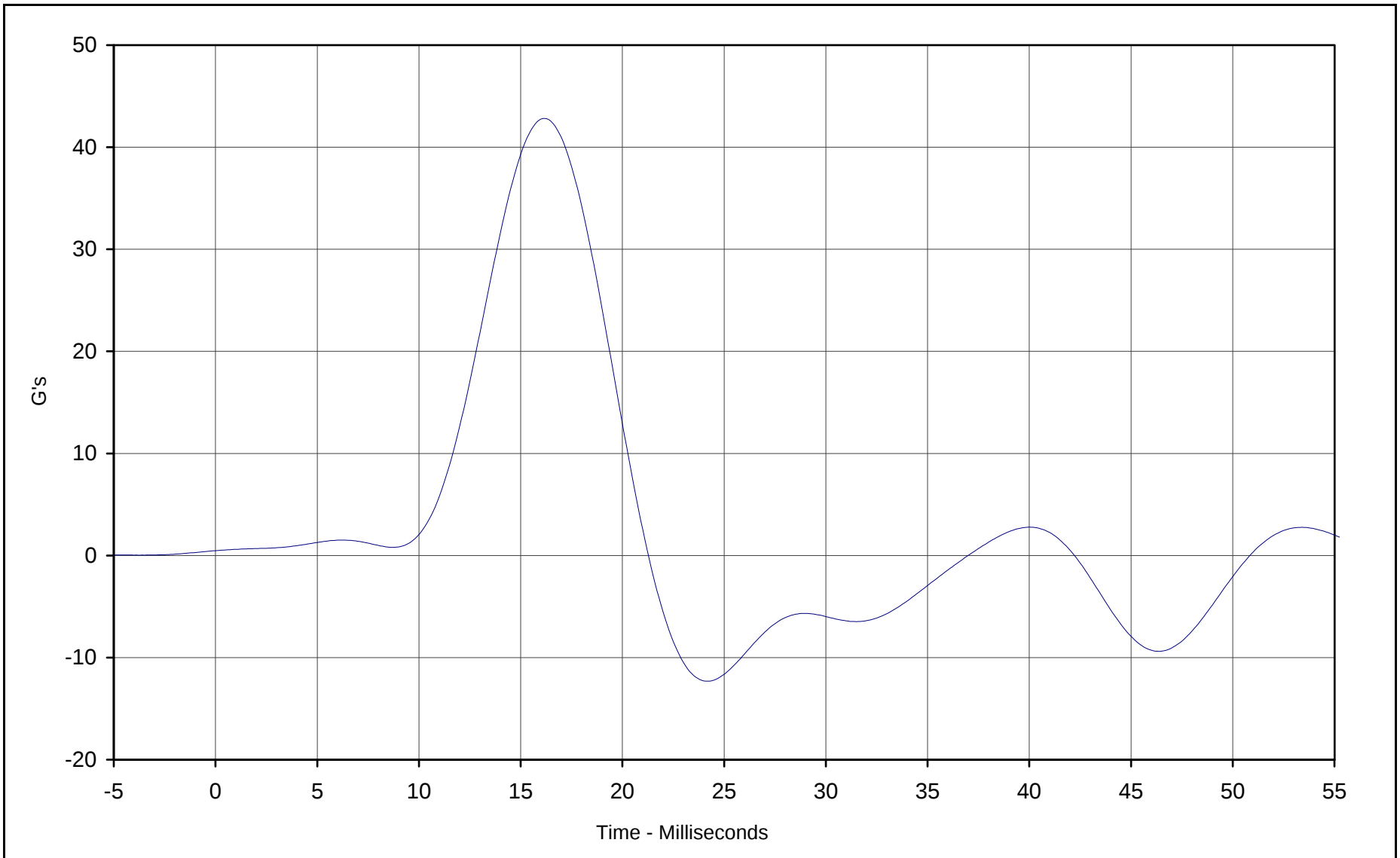
Date of Test: 1/30/02

Test Program: SID Thorax Lateral Impact Test

Test Information: SID S/N: 274 Test I.D.: TI01A



C-28



Curve Description: Left Lower Rib Y Acceleration

Maximum Value: 42.8 at 16.2 Milliseconds

Minimum Value: -12.3 at 24.2 Milliseconds

SAE Filter Class: FIR 100

Date of Test: 1/30/02

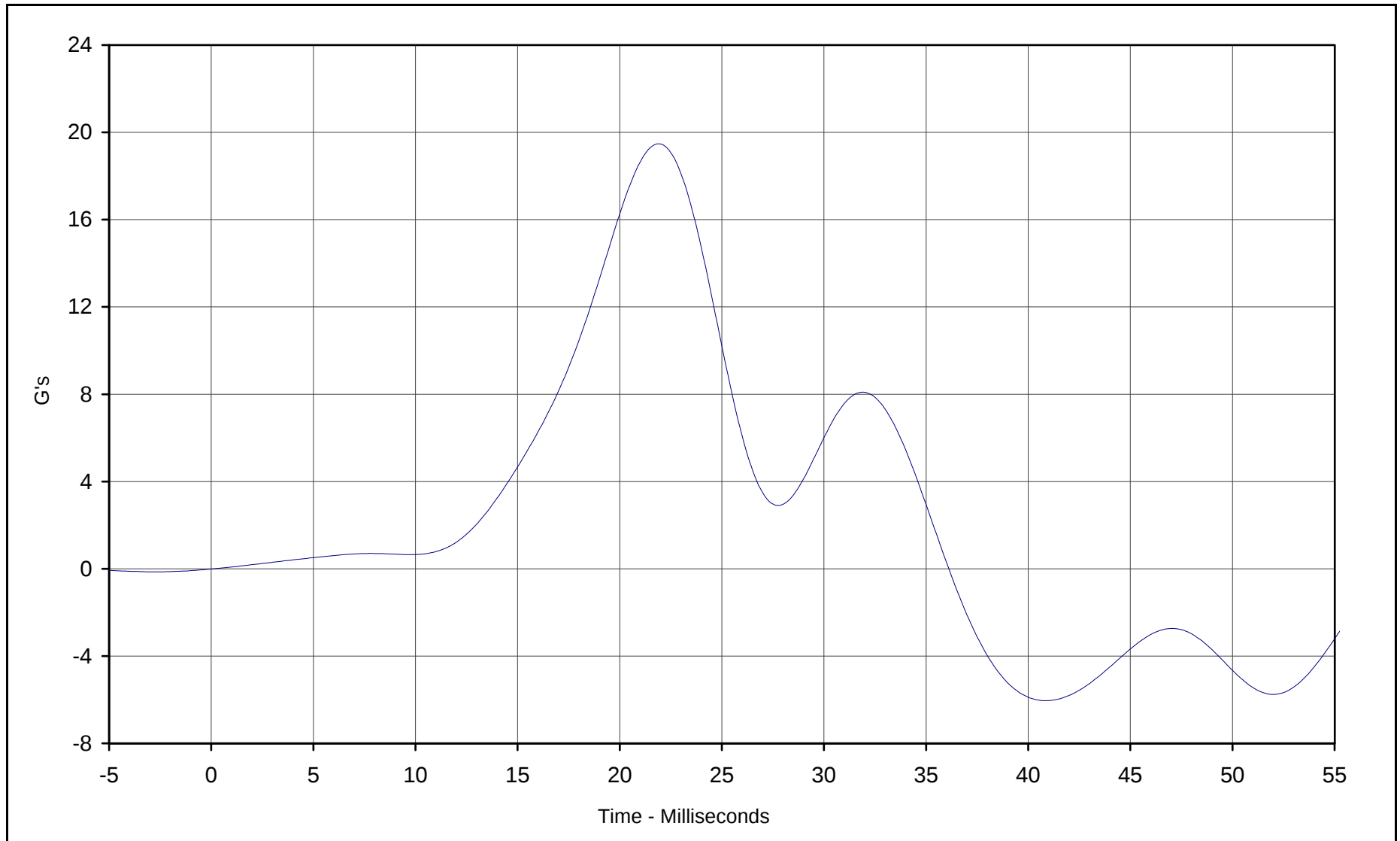
Test Program: SID Thorax Lateral Impact Test

Test Information: SID S/N: 274 Test I.D.: TI01A



KAR21062-01

C-29



Curve Description: Lower Spine Y Acceleration
Maximum Value: 19.5 at 21.9 Milliseconds
Minimum Value: -6.0 at 40.9 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02

Test Program: SID Thorax Lateral Impact Test
Test Information: SID S/N: 274 Test I.D.: TI01A



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Left Side Pelvis Lateral Impact

ATD Serial No.: 274

Part Serial No.: N/A

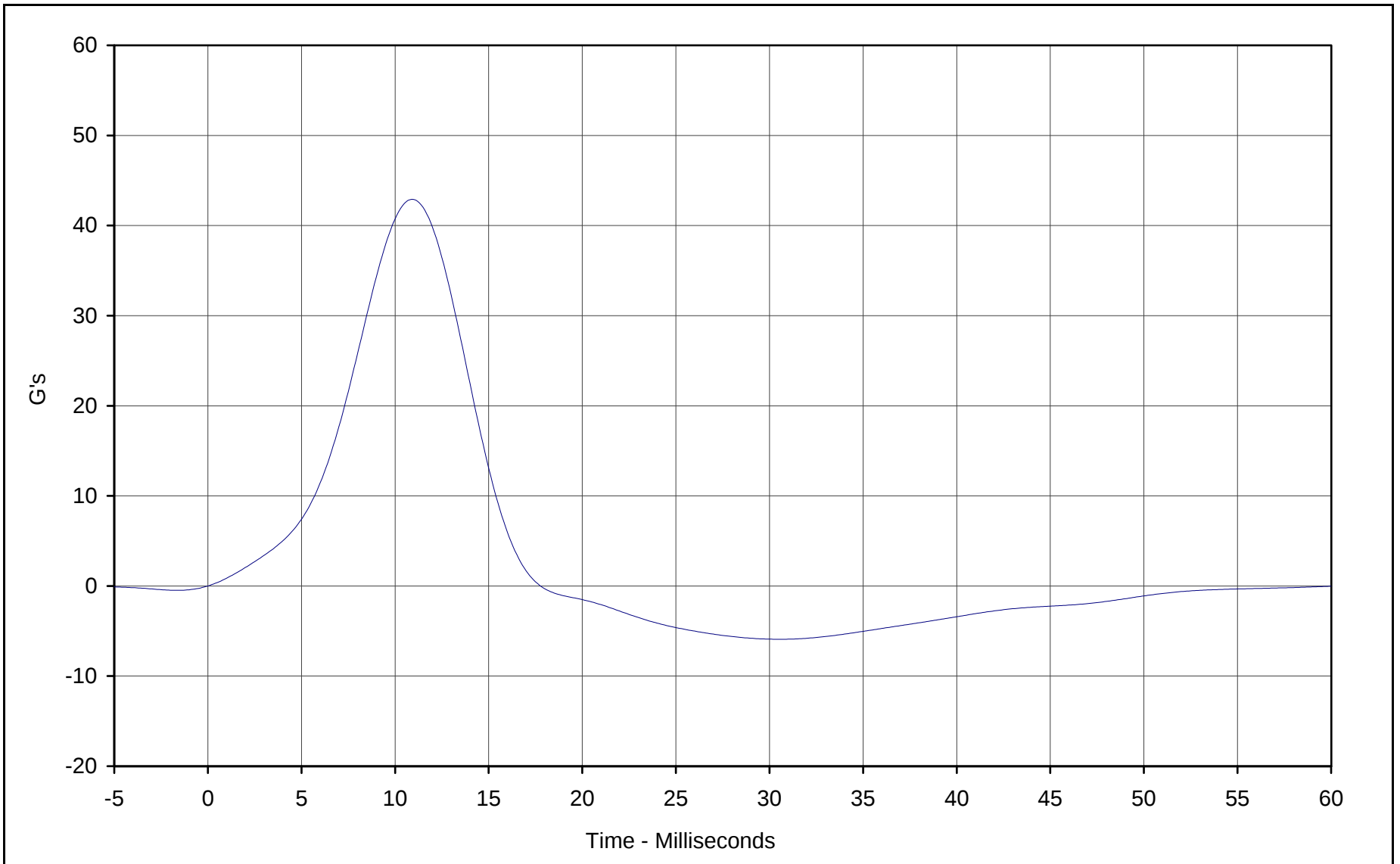
Test I.D.: PI01A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.33	Pass
Pelvis Acceleration	G's	40.0 to 60.0	42.9	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0 Msec.	6.9	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date

C-31



Curve Description: Pelvis Y Axis Acceleration
Maximum Value: 42.9 at 10.9 Milliseconds
Minimum Value: -5.9 at 30.6 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02

Test Program: SID Left Side Pelvis Lateral Impact
Test Information: SID S/N: 274 Test I.D.: PI01A



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Abdominal Compression Test

ATD Serial No.: 274

Part Serial No.: N/A

Test I.D.: AB001

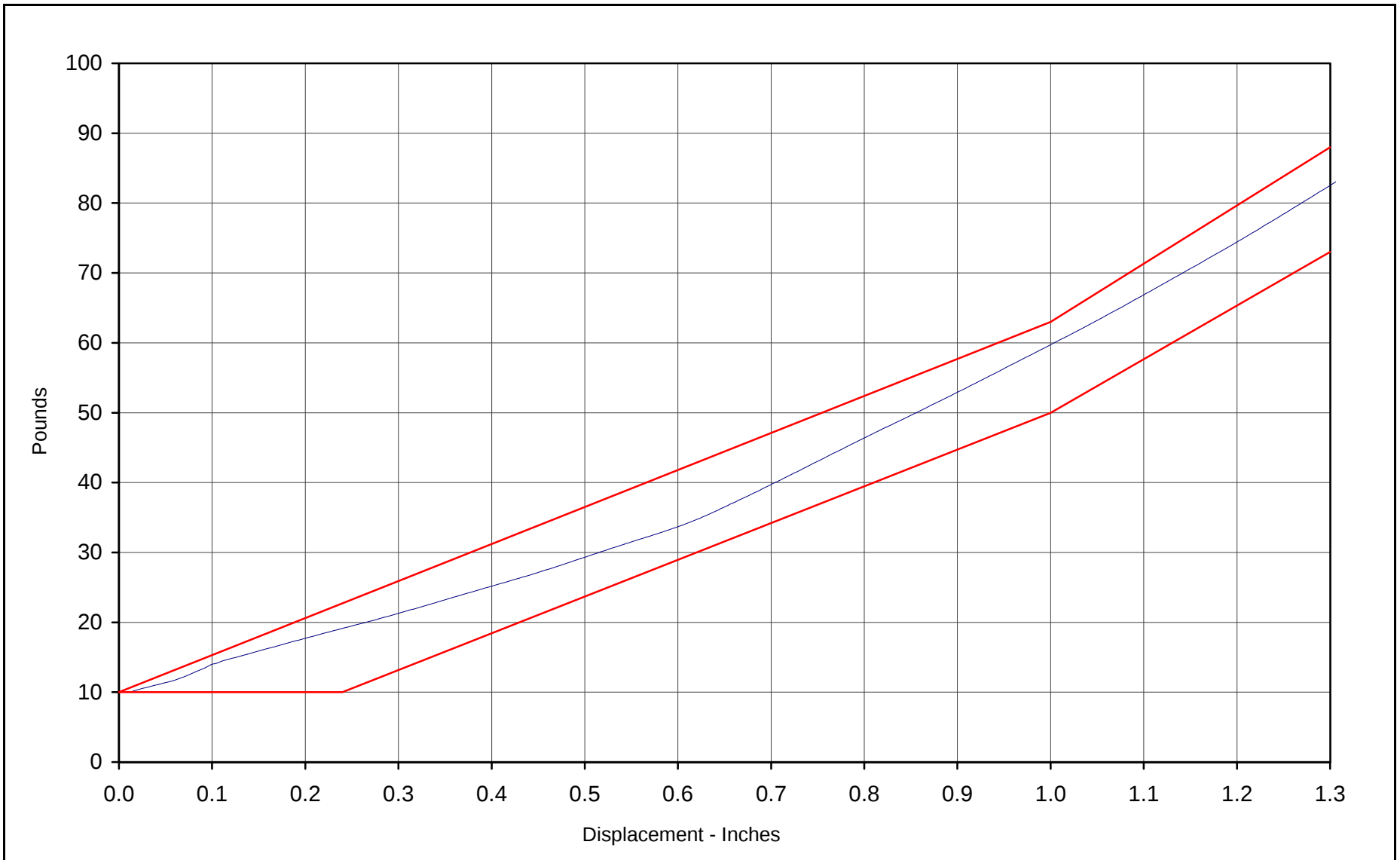
Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Force at 0.5 Inches of Displacement	Pounds	23.0 to 36.0	29.1	Pass
Force at 0.75 Inches of Displacement	Pounds	36.0 to 50.0	42.8	Pass
Force at 1.0 Inches of Displacement	Pounds	50.0 to 63.0	59.7	Pass
Force at 1.3 Inches of Displacement	Pounds	73.0 to 88.0	82.4	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002

Test Date

C-33

Curve Description: Abdomen Force vs. DisplacementForce at 0.5 In.: 29.1 PoundsForce at 0.75 In.: 42.8 PoundsForce at 1.0 In.: 59.7 PoundsForce at 1.3 In.: 82.4 PoundsDate of Test: 1/30/02Test Program: SID Abdominal CompressionTest Information: SID S/N: 274 Test I.D.: AB001

KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Head Drop Calibration

ATD Serial No.: 274

Part Serial No.: N/A

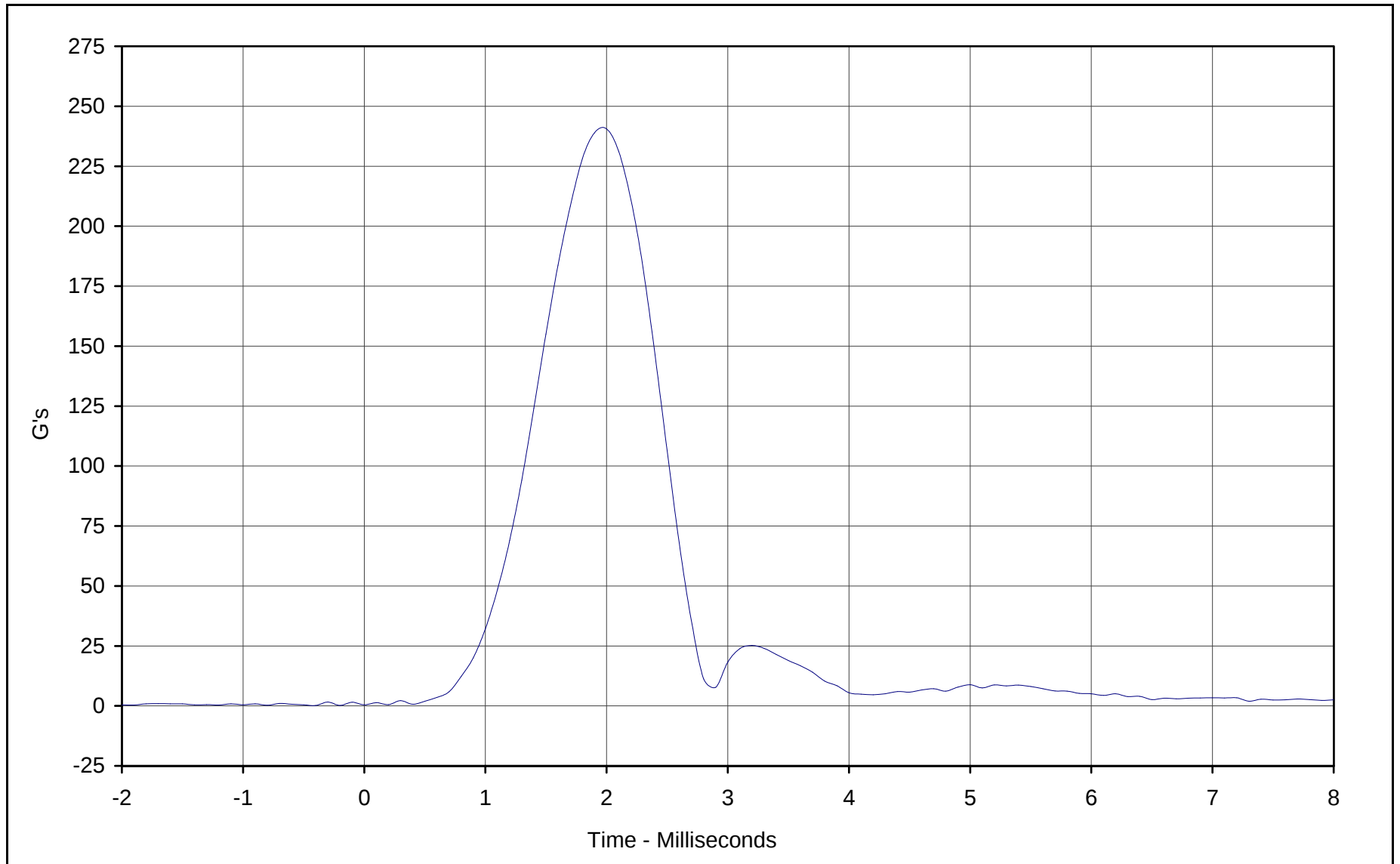
Test I.D.: SH01A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	210.0 to 260.0	240.6	Pass
Peak Lateral Acceleration	G's	≤10.0	7.9	Pass
Time Above 100 G's	Msec.	0.9 to 1.5	1.2	Pass
Is Resultant Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date

C-35

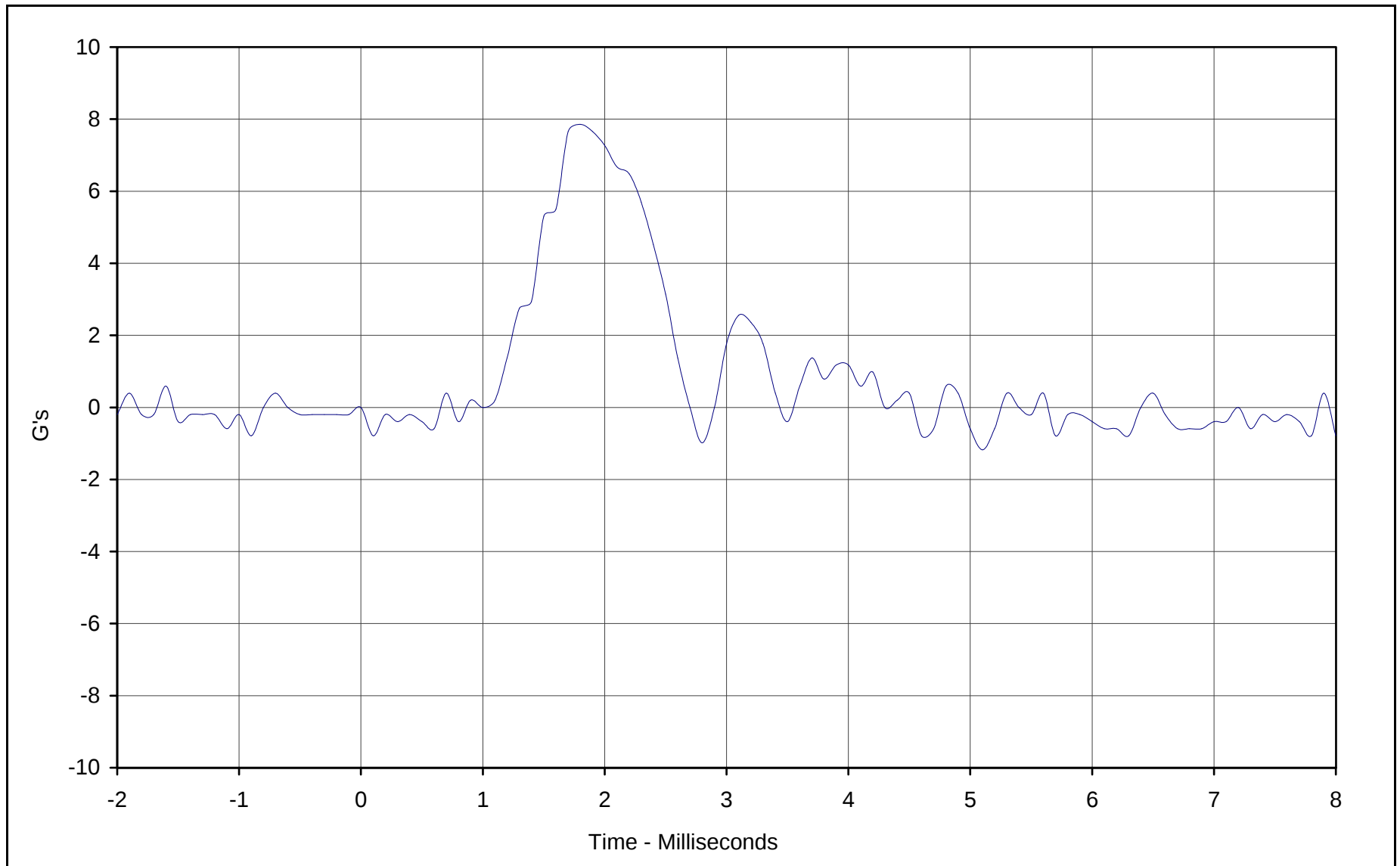


Curve Description: Head Resultant Acceleration
Maximum Value: 240.6 at 2.0 Milliseconds
Minimum Value: 0.4 at 0.0 Milliseconds
SAE Filter Class: 1000
Date of Test: 1/30/02

Test Program: SID Head Drop Calibration
Test Information: SID S/N: 274 Test I.D.: SH01A



KAR21062-01



Curve Description: Head Y Axis Acceleration

Maximum Value:	7.9	at	1.8	Milliseconds
Minimum Value:	-1.2	at	5.1	Milliseconds
SAE Filter Class:	1000			
Date of Test:	1/30/02			

Test Program: SID Head Drop Calibration

Test Information: SID S/N: 274 Test I.D.: SH01A





Performance Verification Data Side Impact Dummy (SID) External Dimensions

ATD Serial No.: 275

Part Serial No.: N/A

Test I.D.: N/A

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory temperature	°C	20.4 to 22.1	21.1	Pass
Laboratory relative humidity	%	10 to 70	30	Pass
SH- Seated Height	mm	889 to 909	895	Pass
HP- Hip Point Height	mm	99 (reference)	99	Pass
RH- Rib Height	mm	502 to 520	515	Pass
KH- Knee Pivot From Back Line	mm	511 to 526	520	Pass
KV- Knee Pivot From Floor	mm	490 to 505	500	Pass
HW- Hip Width	mm	356 to 391	385	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002

Test Date



Performance Verification Data Side Impact Dummy (SID) Thorax Lateral Impact

ATD Serial No.: 275

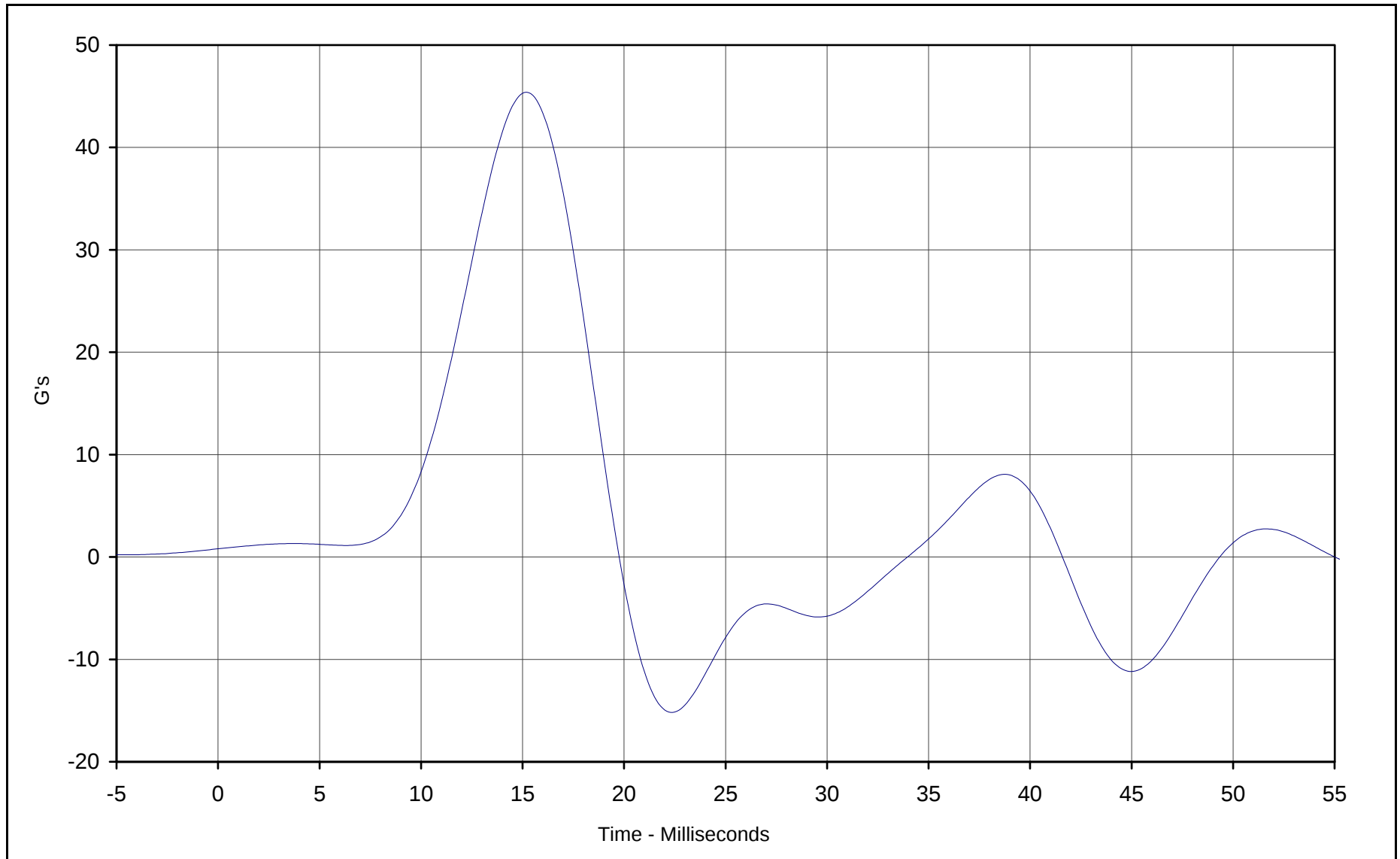
Part Serial No.: N/A

Test I.D.: TI01B

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.27	Pass
Left Upper Rib Acceleration	G's	37.0 to 46.0	45.4	Pass
Left Lower Rib Acceleration	G's	37.0 to 46.0	42.7	Pass
Thoracic Spine Acceleration	G's	15.0 to 22.0	20.2	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date



Curve Description: Left Upper Rib Y Acceleration

Maximum Value: 45.4 at 15.2 Milliseconds

Minimum Value: -15.2 at 22.4 Milliseconds

SAE Filter Class: FIR 100

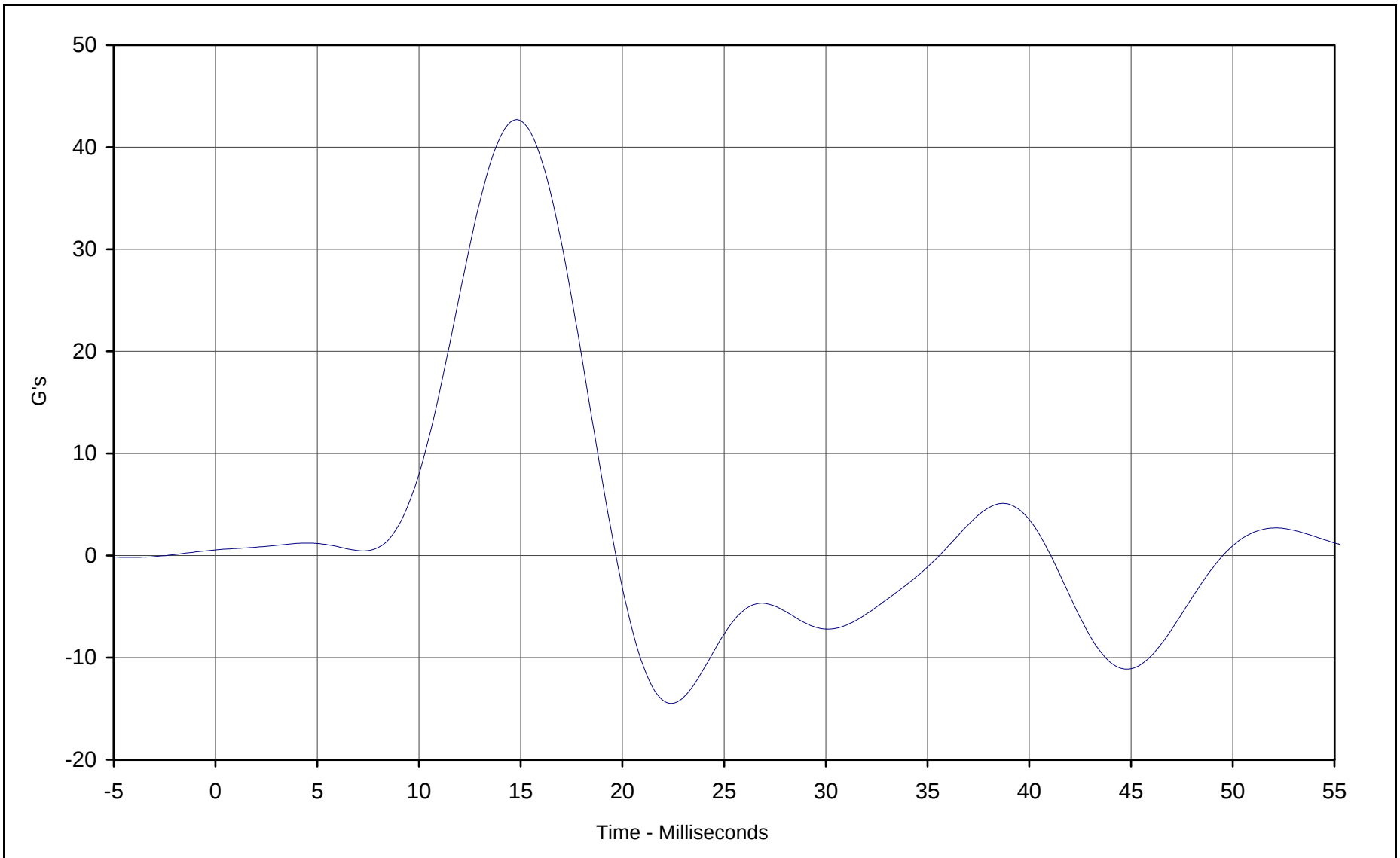
Date of Test: 1/30/02

Test Program: SID Thorax Lateral Impact Test

Test Information: SID S/N: 275 Test I.D.: TI01B



C-40



Curve Description: Left Lower Rib Y Acceleration

Maximum Value: 42.7 at 14.8 Milliseconds

Minimum Value: -14.5 at 22.4 Milliseconds

SAE Filter Class: FIR 100

Date of Test: 1/30/02

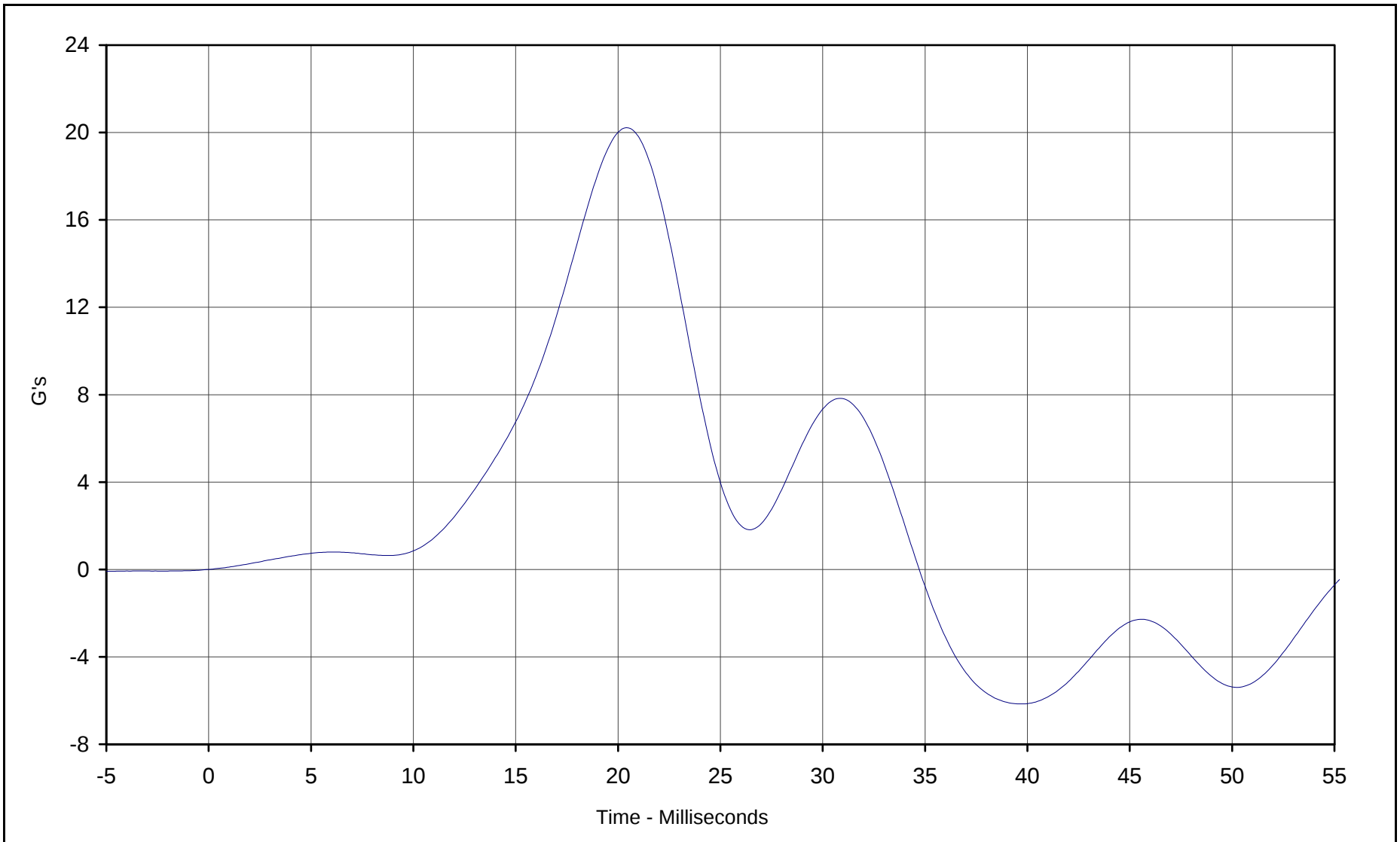
Test Program: SID Thorax Lateral Impact Test

Test Information: SID S/N: 275 Test I.D.: TI01B



KAR21062-01

C-41



Curve Description: Lower Spine Y Acceleration
Maximum Value: 20.2 at 20.4 Milliseconds
Minimum Value: -6.2 at 39.6 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02

Test Program: SID Thorax Lateral Impact Test
Test Information: SID S/N: 275 Test I.D.: TI01B



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Left Side Pelvis Lateral Impact

ATD Serial No.: 275

Part Serial No.: N/A

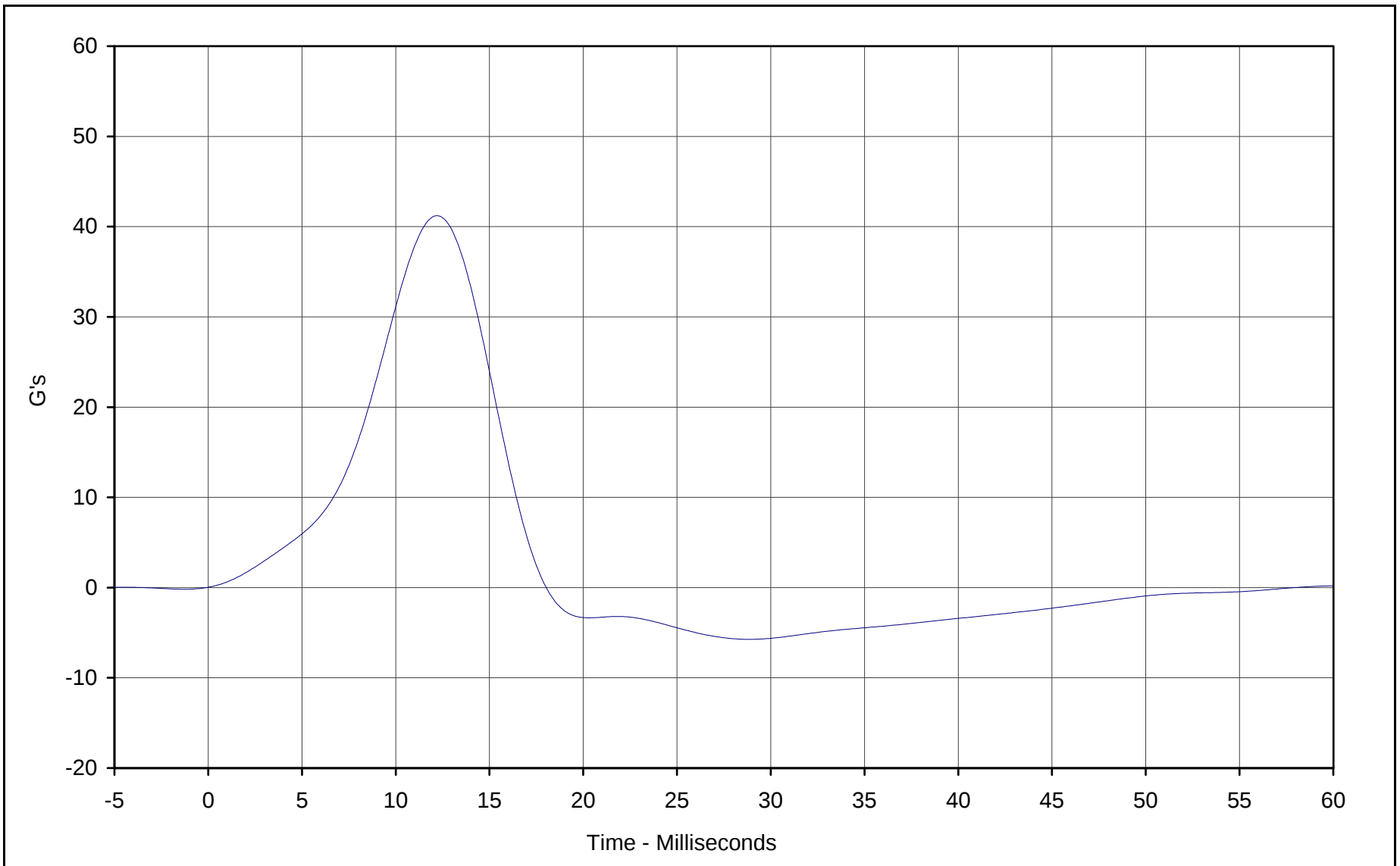
Test I.D.: PI01B

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°C	18.9 to 25.5	21.1	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Probe Velocity	m/s	4.21 to 4.33	4.28	Pass
Pelvis Acceleration	G's	40.0 to 60.0	41.2	Pass
Acceleration Time Above 20 G's	Msec.	3.0 to 7.0 Msec.	6.5	Pass
Is Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date

C-43



Curve Description: Pelvis Y Axis Acceleration
Maximum Value: 41.2 at 12.2 Milliseconds
Minimum Value: -5.7 at 28.8 Milliseconds
SAE Filter Class: FIR 100
Date of Test: 1/30/02

Test Program: SID Left Side Pelvis Lateral Impact
Test Information: SID S/N: 275 Test I.D.: PI01B



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Abdominal Compression Test

ATD Serial No.: 275

Part Serial No.: N/A

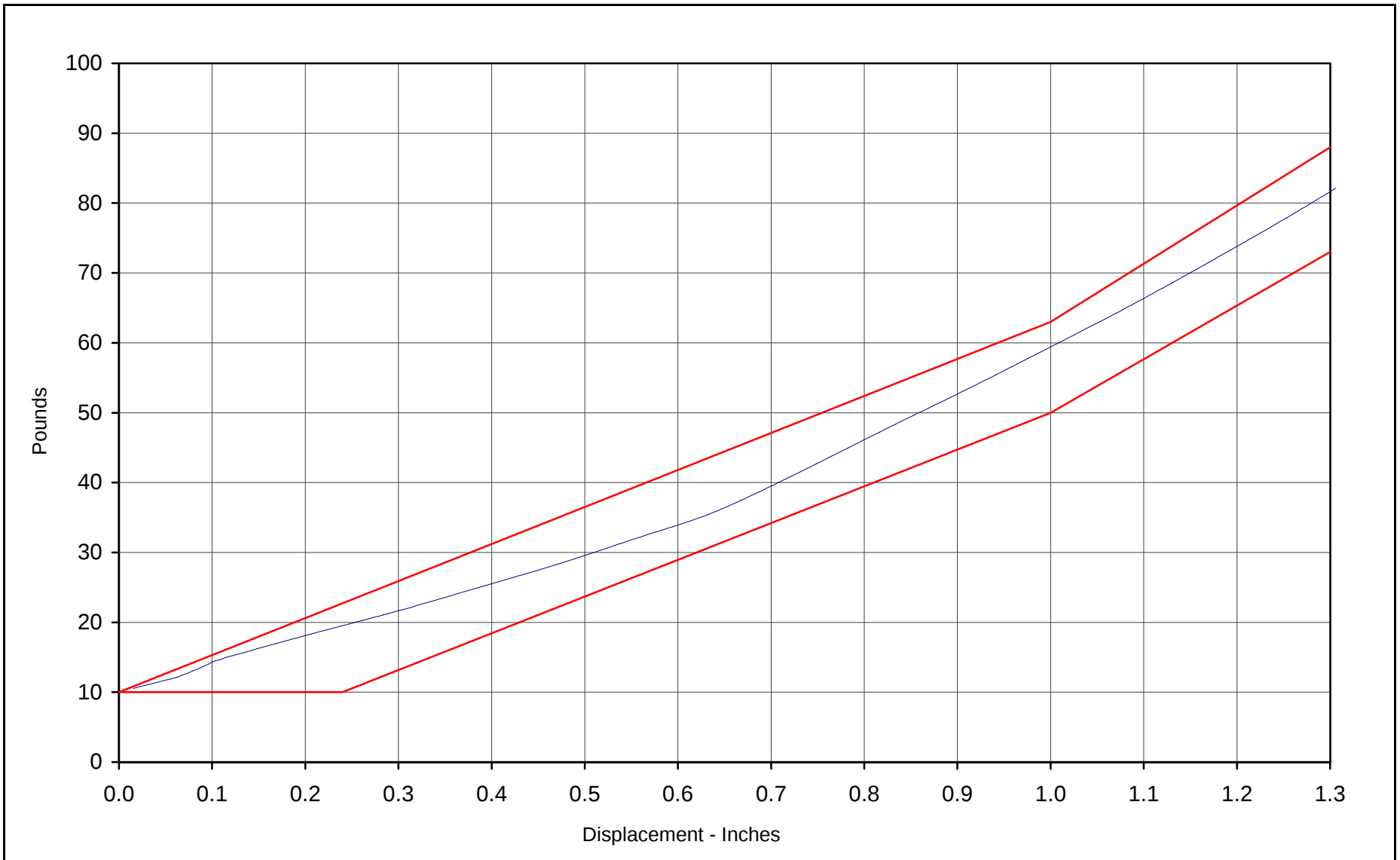
Test I.D.: AB002

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Force at 0.5 Inches of Displacement	Pounds	23.0 to 36.0	29.6	Pass
Force at 0.75 Inches of Displacement	Pounds	36.0 to 50.0	42.7	Pass
Force at 1.0 Inches of Displacement	Pounds	50.0 to 63.0	59.2	Pass
Force at 1.3 Inches of Displacement	Pounds	73.0 to 88.0	81.4	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date

C-45



Curve Description: Abdomen Force vs. Displacement

Force at 0.5 In.: 29.6 Pounds

Force at 0.75 In.: 42.7 Pounds

Force at 1.0 In.: 59.2 Pounds

Force at 1.3 In.: 81.4 Pounds

Date of Test: 1/30/02

Test Program: SID Abdominal Compression

Test Information: SID S/N: 275 Test I.D.: AB002



KAR21062-01



Performance Verification Data Side Impact Dummy (SID) Head Drop Calibration

ATD Serial No.: 275

Part Serial No.: N/A

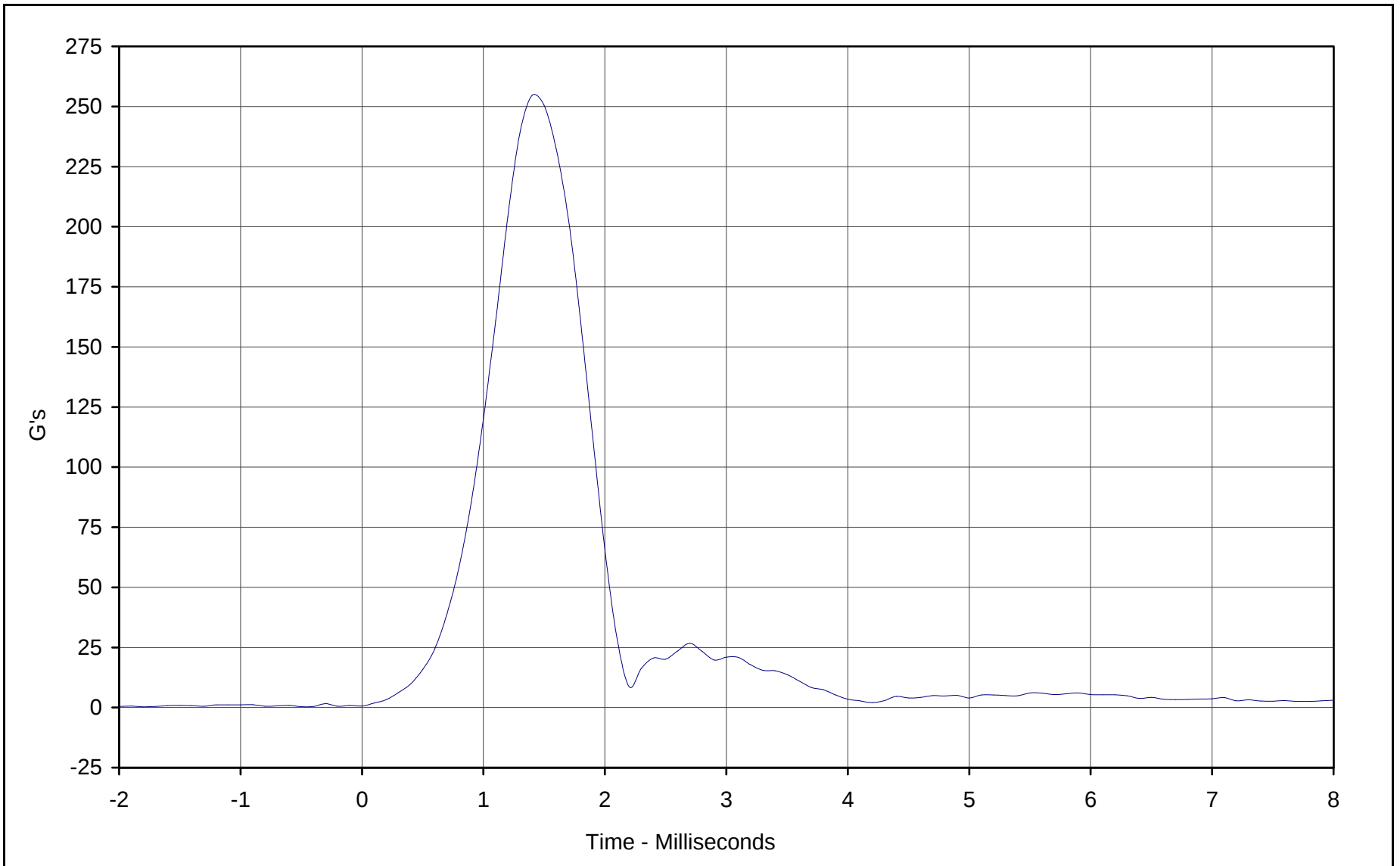
Test I.D.: SH01B

Tested Parameter	Units	Specification	Result	Pass/Fail
Laboratory Temperature	°F	66 to 78	70	Pass
Laboratory Relative Humidity	%	10 to 70	30	Pass
Peak Resultant Acceleration	G's	210.0 to 260.0	254.6	Pass
Peak Lateral Acceleration	G's	≤10.0	6.7	Pass
Time Above 100 G's	Msec.	0.9 to 1.5	1.0	Pass
Is Resultant Acceleration Unimodal?	Yes/No	Yes	Yes	Pass
Overall Test Results				Pass

Laboratory Technician

January 30, 2002
Test Date

C-47



Curve Description: Head Resultant Acceleration

Maximum Value:	<u>254.6</u>	at	<u>1.4</u>	Milliseconds
Minimum Value:	<u>0.6</u>	at	<u>0.0</u>	Milliseconds
SAE Filter Class:	<u>1000</u>			
Date of Test:	<u>1/30/02</u>			

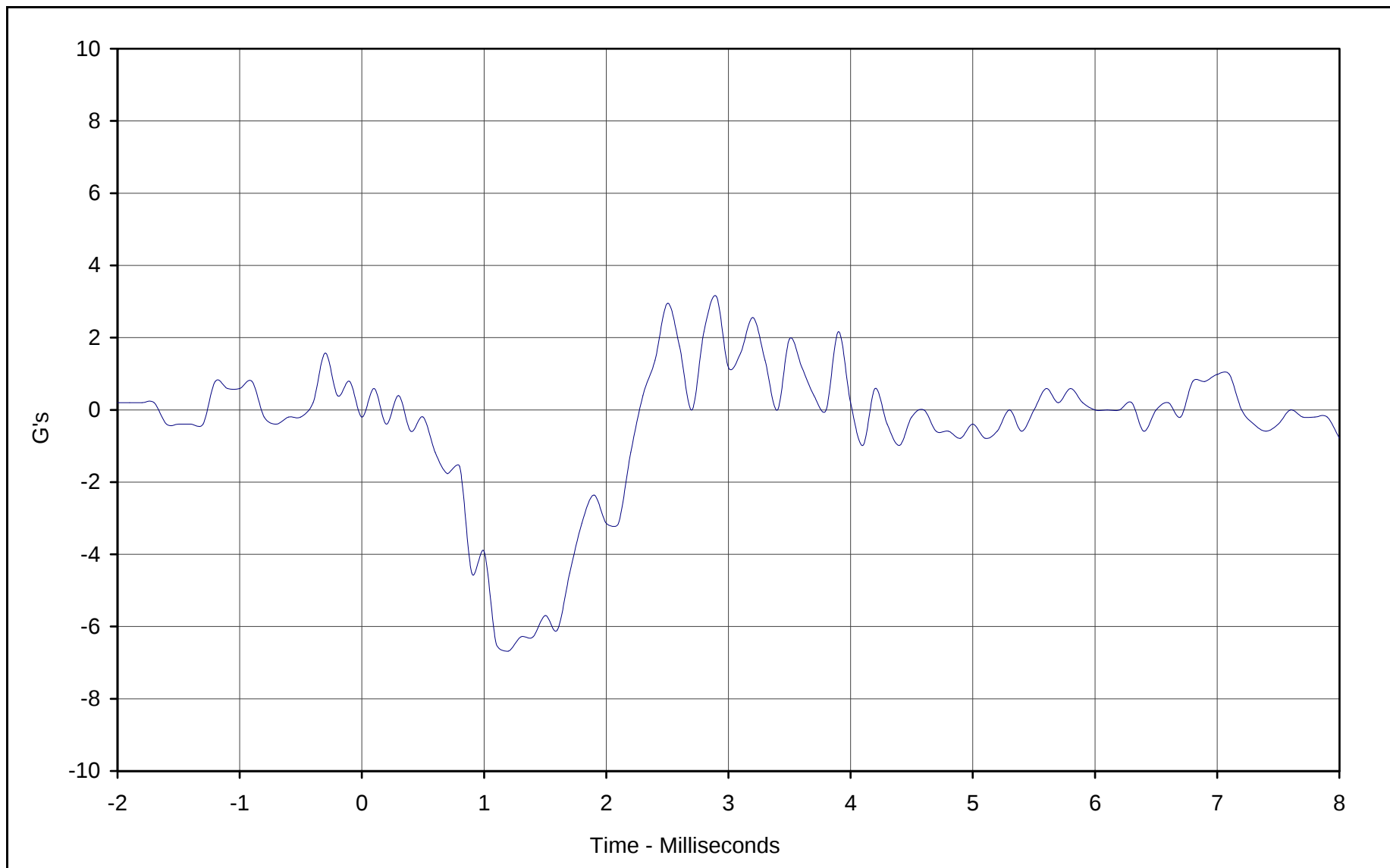
Test Program: SID Head Drop Calibration

Test Information: SID S/N: 275 Test I.D.: SH01B



KAR21062-01

C-48



Curve Description: Head Y Axis Acceleration

Maximum Value:	3.1	at	2.9	Milliseconds
Minimum Value:	-6.7	at	1.2	Milliseconds
SAE Filter Class:	1000			
Date of Test:	1/30/02			

Test Program: SID Head Drop Calibration

Test Information: SID S/N: 275 Test I.D.: SH01B



KAR21062-01

APPENDIX D
TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Driver S.I.D. Serial Number 274
1/30/02
2002 Honda CR-V EX 4WD SUV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
1	Head CG	X	KEAC086	Accel.,1/2 bridge	Endevco	7264-2000X	G
2	Head CG	Y	KEAC087	Accel.,1/2 bridge	Endevco	7264-2000Y	G
3	Head CG	Z	KEAC088	Accel.,1/2 bridge	Endevco	7264-2000Z	G
4	Upper Rib Primary	Y	KEAC070	Accel.,1/2 bridge	Endevco	7264-2000X	G
5	Lower Rib, Primary	Y	KEAC071	Accel.,1/2 bridge	Endevco	7264-2000Y	G
6	Lower Spine, Primary	Y	KEAC072	Accel.,1/2 bridge	Endevco	7264-2000Z	G
7	Pelvis, Primary	Y	KEAC090	Accel.,Full bridge	Endevco	7264-2000X	G
8	Upper Rib Redundant	Y	KEAC076	Accel.,1/2 bridge	Endevco	7264-2000X	G
9	Lower Rib, Redundant	Y	KEAC077	Accel.,1/2 bridge	Endevco	7264-2000Y	G
10	Lower Spine, Redundant	Y	KEAC078	Accel.,1/2 bridge	Endevco	7264-2000Z	G
11	Pelvis, Redundant	Y	KEAC089	Accel.,1/2 bridge	Endevco	7264-2000X	G
12	Thorax Contact	N/A	T0	Contact Switch	Tapeswitch	8 oz. Grey	%
13	Pelvis Contact	N/A	T0	Contact Switch	Tapeswitch	8 oz. Grey	%

Instrumentation Data Channel Assignments

Passenger S.I.D. Serial Number 275

1/30/02

2002 Honda CR-V EX 4WD SUV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
14	Head CG	X	KEAC069	Accel.,1/2 bridge	Endevco	7264-2000X	G
15	Head CG	Y	KEAC080	Accel.,1/2 bridge	Endevco	7264-2000Y	G
16	Head CG	Z	KEAC082	Accel.,1/2 bridge	Endevco	7264-2000Z	G
17	Upper Rib Primary	Y	KEAC066	Accel.,1/2 bridge	Endevco	7264-2000X	G
18	Lower Rib, Primary	Y	KEAC067	Accel.,1/2 bridge	Endevco	7264-2000Y	G
19	Lower Spine, Primary	Y	KEAC068	Accel.,1/2 bridge	Endevco	7264-2000Z	G
20	Pelvis, Primary	Y	KEAC079	Accel.,1/2 bridge	Endevco	7264-2000X	G
21	Upper Rib Redundant	Y	KEAC073	Accel.,1/2 bridge	Endevco	7264-2000X	G
22	Lower Rib, Redundant	Y	KEAC074	Accel.,1/2 bridge	Endevco	7264-2000Y	G
23	Lower Spine, Redundant	Y	KEAC075	Accel.,1/2 bridge	Endevco	7264-2000Z	G
24	Pelvis, Redundant	Y	KEAC081	Accel.,1/2 bridge	Endevco	7264-2000X	G
25	Thorax Contact	Y	T0	Contact Switch	Tapeswitch	8 oz. Grey	%
26	Pelvis Contact	Y	T0	Contact Switch	Tapeswitch	8 oz. Grey	%

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Vehicle Accelerometers

1/30/02

2002 Honda CR-V EX 4WD SUV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
27	Right at Sill Front Seat	X	KETX2A	Accel., Triax	I.C. Sensor	3031-200	G
28	Right at Sill Front Seat	Y	KETX2B	Accel., Triax	I.C. Sensor	3031-200	G
29	Right at Sill Front Seat	Z	KETX2C	Accel., Triax	I.C. Sensor	3031-200	G
30	Right at Sill Rear Seat	X	KETX3A	Accel., Triax	I.C. Sensor	3031-500	G
31	Right at Sill Rear Seat	Y	KETX3B	Accel., Triax	I.C. Sensor	3031-500	G
32	Right at Sill Rear Seat	Z	KETX3C	Accel., Triax	I.C. Sensor	3031-500	G
33	Rear Floorpan Above Axle	X	KETX4A	Accel., Triax	I.C. Sensor	3031-500	G
34	Rear Floorpan Above Axle	Y	KETX4B	Accel., Triax	I.C. Sensor	3031-500	G
35	Rear Floorpan Above Axle	Z	KETX4C	Accel., Triax	I.C. Sensor	3031-500	G
36	Left Sill at Rear Door	Y	KEVA012	Accel., Vehicle block	I.C. Sensor	3031-500	G
37	Left Sill at Front Door	Y	KEVA001	Accel., Vehicle block	I.C. Sensor	3031-500	G
38	Left Front Door Centerline	Y	ICST004X	Accel., Triax	I.C. Sensor	3031-500	G
39	Rear Occupant Compartment	Y	KEVA006	Accel., Vehicle block	I.C. Sensor	3031-200	G
40	Left Front Door Mid-Rear	Y	ICST004Y	Accel., Triax	I.C. Sensor	3031-500	G
41	Left Front Door Upper Centerline	Y	ICST004Z	Accel., Triax	I.C. Sensor	3031-500	G
42	Rear Door Mid-Rear	Y	ICST005X	Accel., Triax	I.C. Sensor	3031-500	G
43	Rear Door Upper Centerline	Y	ICST005Y	Accel., Triax	I.C. Sensor	3031-500	G
44	B-Post Lower	Y	KEBX2A	Accel., Biax	I.C. Sensor	3031-500	G
45	B-Post Middle	Y	KEBX2B	Accel., Biax	I.C. Sensor	3031-500	G
46	A-Post Lower	Y	KEBX1A	Accel., Biax	I.C. Sensor	3031-200	G
47	A-Post Middle	Y	KEBX1B	Accel., Biax	I.C. Sensor	3031-500	G
48	Front Seat Track	Y	KEIC008Y	Single	I.C. Sensor	3031-500	G
49	Rear Seat Structure	Y	N/A	N/A	N/A	N/A	N/A
50	Vehicle CG	X	KETX2A	Accel., Triax	I.C. Sensor	3031-200	G
51	Vehicle CG	Y	KETX2B	Accel., Triax	I.C. Sensor	3031-200	G
52	Vehicle CG	Z	KETX2C	Accel., Triax	I.C. Sensor	3031-200	G

55/28 km/h Side Impact NCAP
Instrumentation Data Channel Assignments
Moving Deformable Barrier
1/30/02
2002 Honda CR-V EX 4WD SUV

CH.	LOCATION	AXIS	IDENT. NO.	DESCRIPTION	MFR	MODEL	UNITS
53	MDB CG	X	ICST001X	Accel., Triax	I.C. Sensor	3031-500	G
54	MDB CG	Y	ICST001Y	Accel., Triax	I.C. Sensor	3031-500	G
55	MDB CG	Z	ICST001Z	Accel., Triax	I.C. Sensor	3031-500	G
56	MDB Rear Centerline	X	ICST002X	Accel., Triax	I.C. Sensor	3031-50	G
57	MDB Rear Centerline	Y	ICST002Y	Accel., Triax	I.C. Sensor	3031-50	G
58	Right Bumper Contact	N/A	T0	Contact Switch	Tapeswitch	40 oz. Grey	%