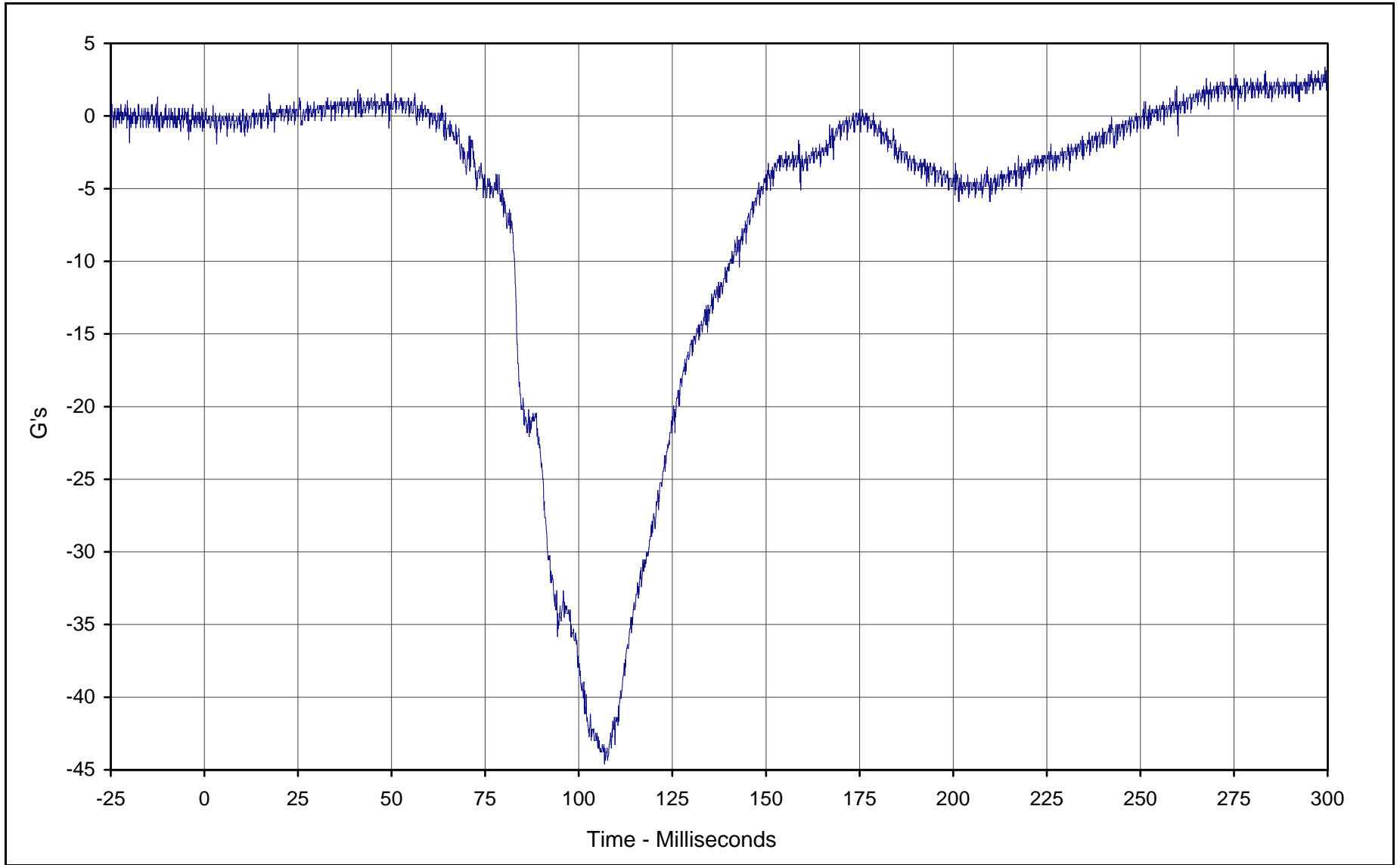


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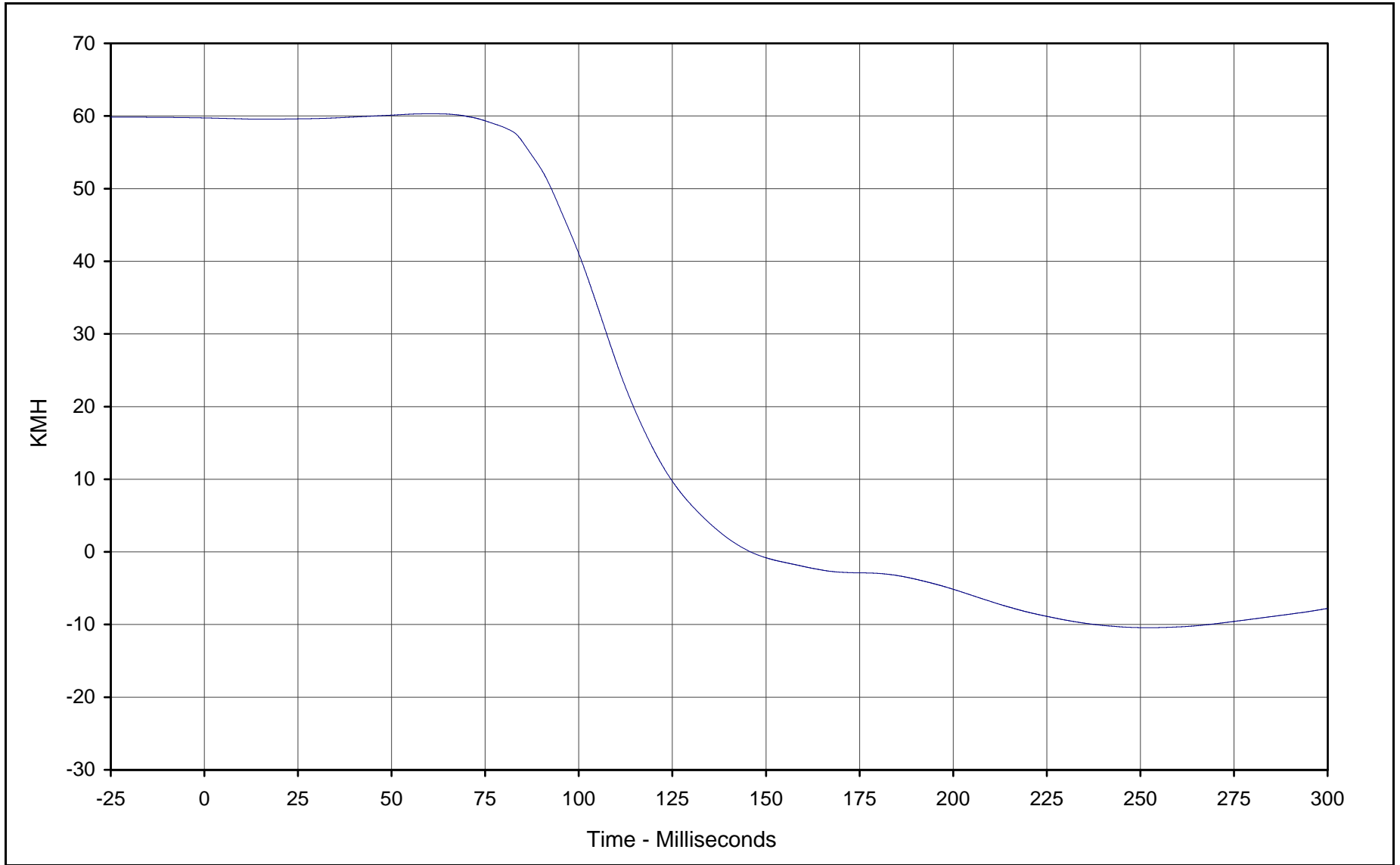


Curve Description: Driver Head Primary X  
Maximum Value: 3.4 at 299.3 Milliseconds  
Minimum Value: -44.6 at 106.9 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-001

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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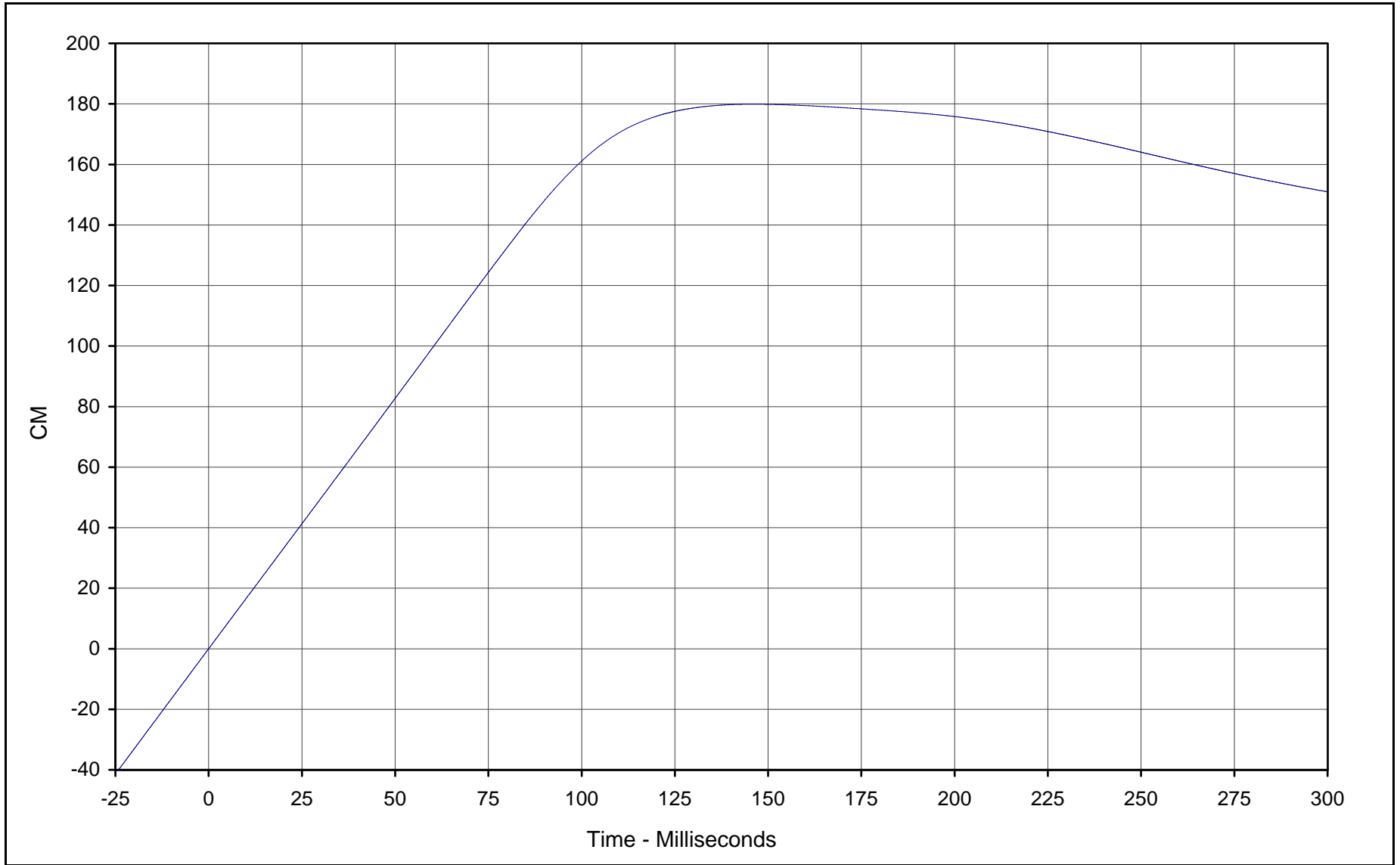


Curve Description: Driver Head Primary X Velocity  
 Maximum Value: 60.3 at 60.2 Milliseconds  
 Minimum Value: -10.4 at 252.8 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: IN1-001

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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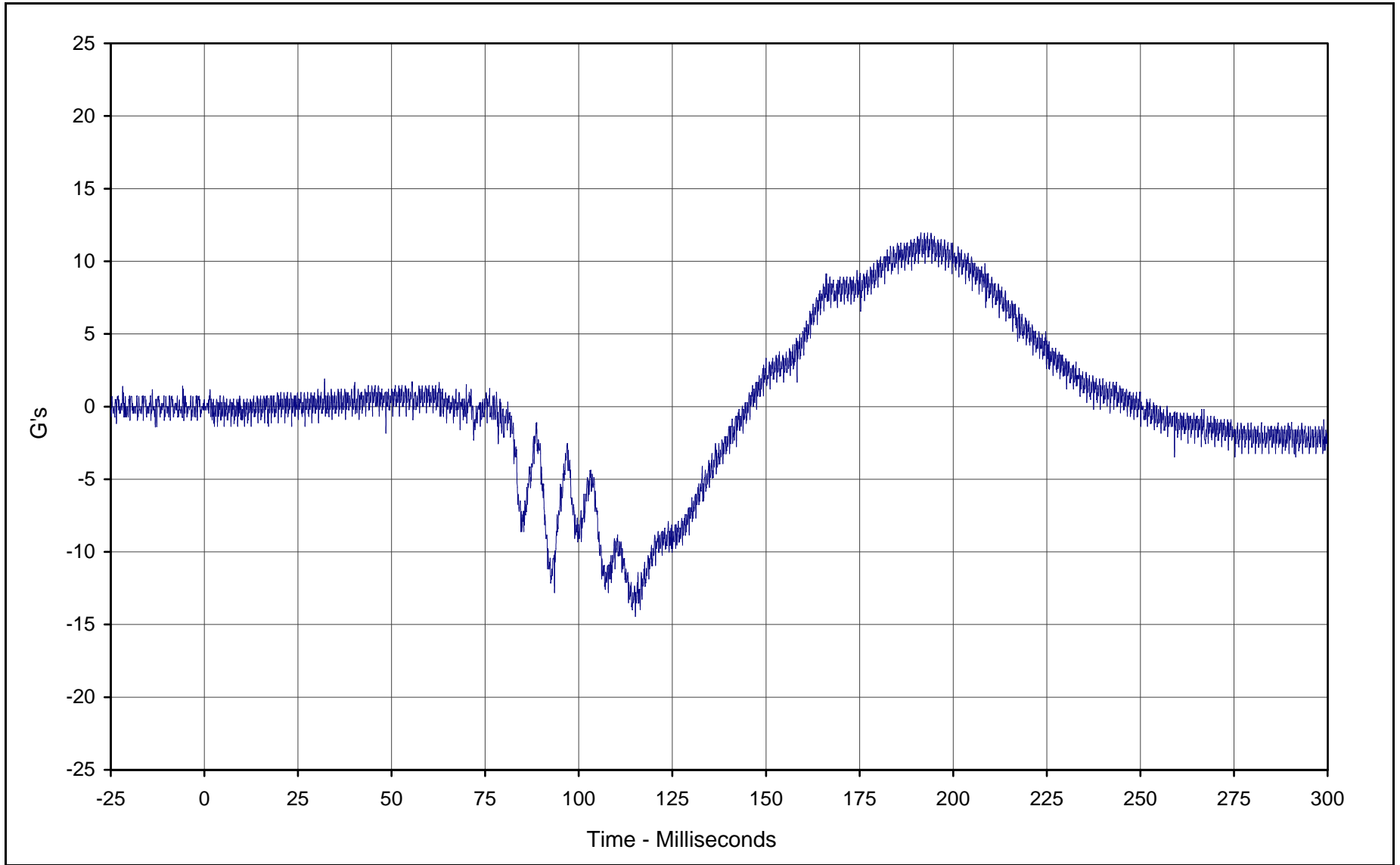
Curve Description: Driver Head Primary X Displ.  
Maximum Value: 179.9 at 145.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-001

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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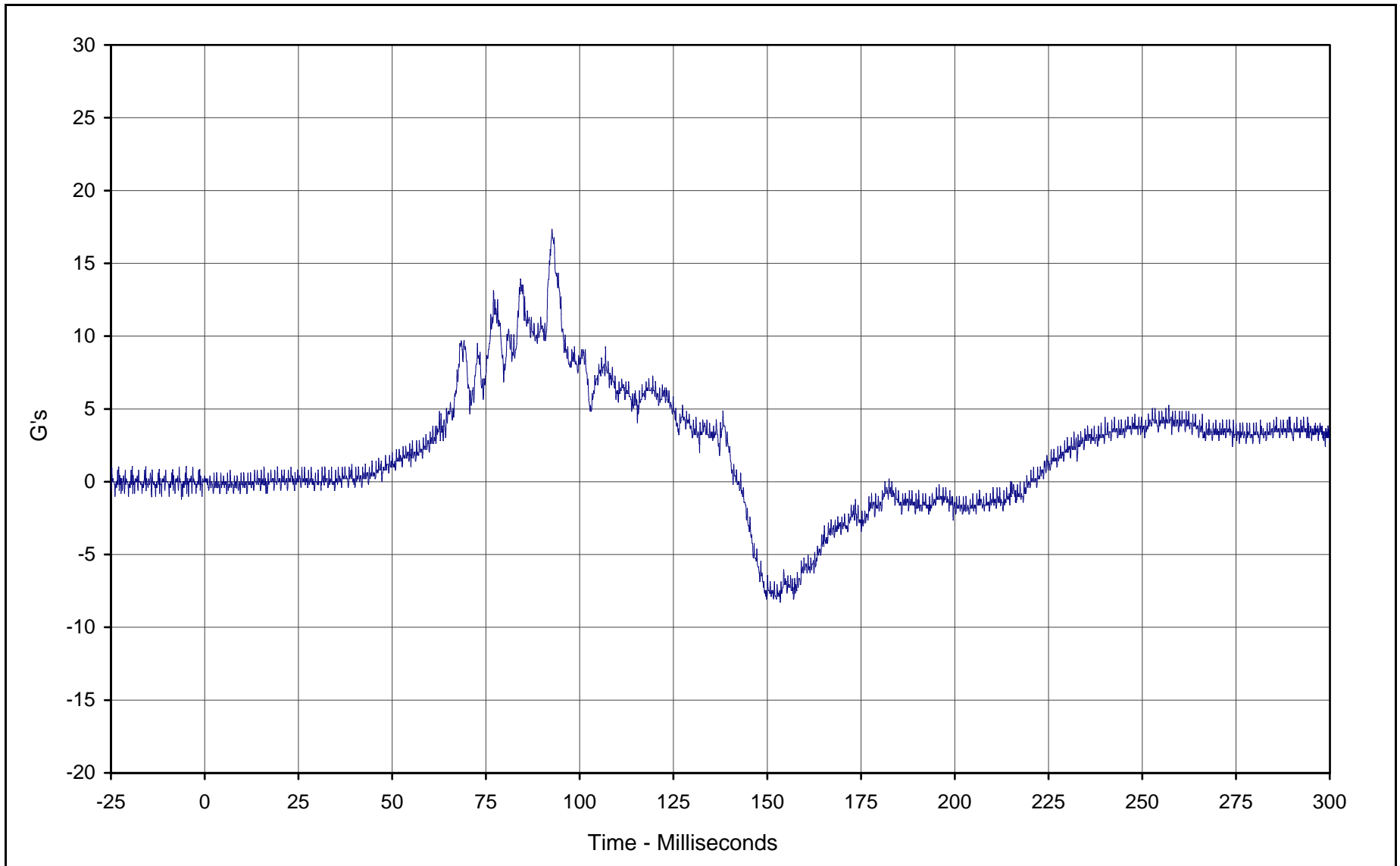


Curve Description: Driver Head Primary Y  
Maximum Value: 11.9 at 191.4 Milliseconds  
Minimum Value: -14.4 at 115.1 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-002

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



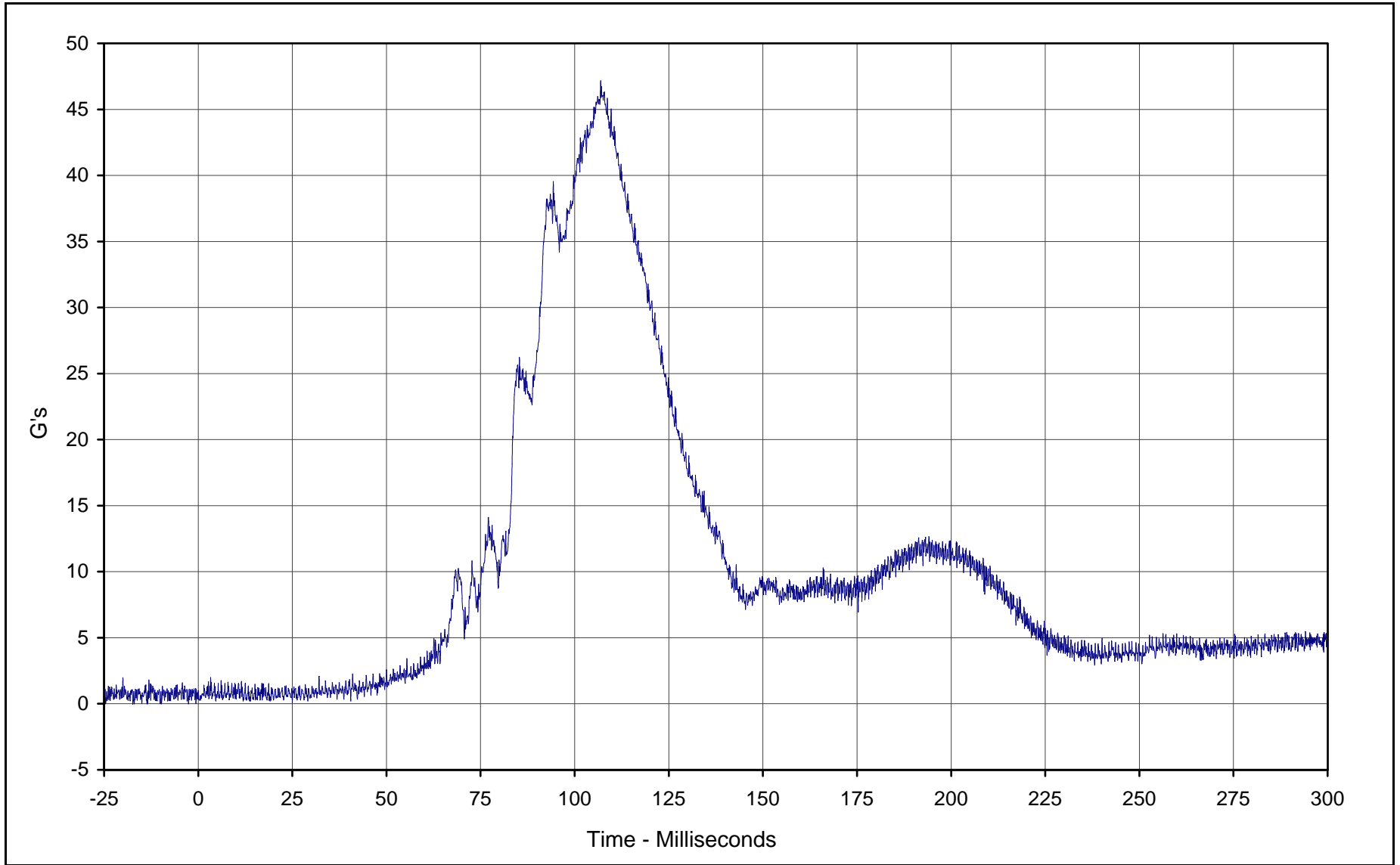
KARR20002-02



Curve Description: Driver Head Primary Z  
Maximum Value: 17.4 at 92.6 Milliseconds  
Minimum Value: -8.3 at 153.4 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-003

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



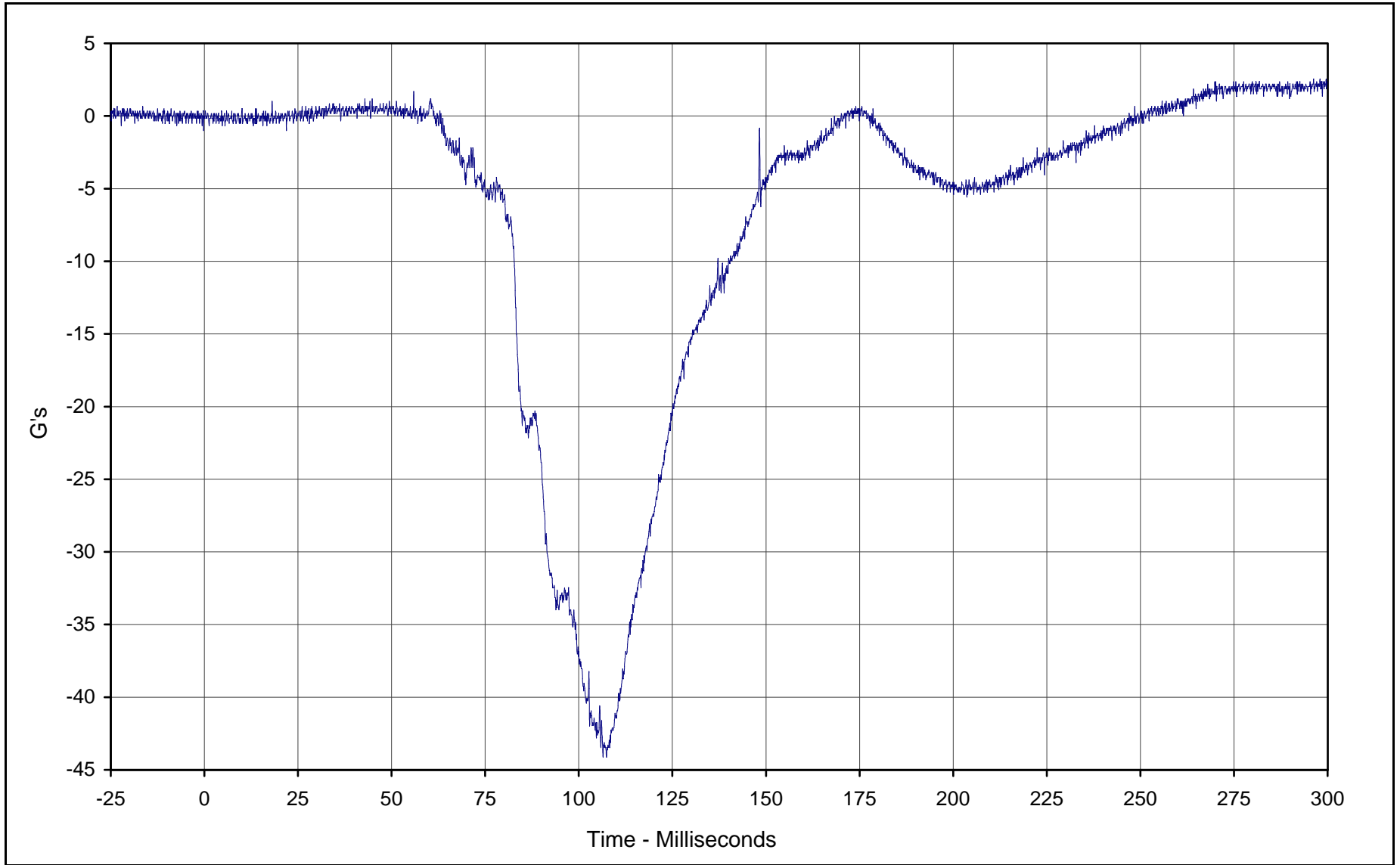


Curve Description: Driver Head Resultant Primary  
 Maximum Value: 47.2 at 106.9 Milliseconds  
 Minimum Value: 0.1 at 25.0 Milliseconds  
 SAE Filter Class: 1000  
 Date of Test: 08/15/00  
 Curve Number: RES-001

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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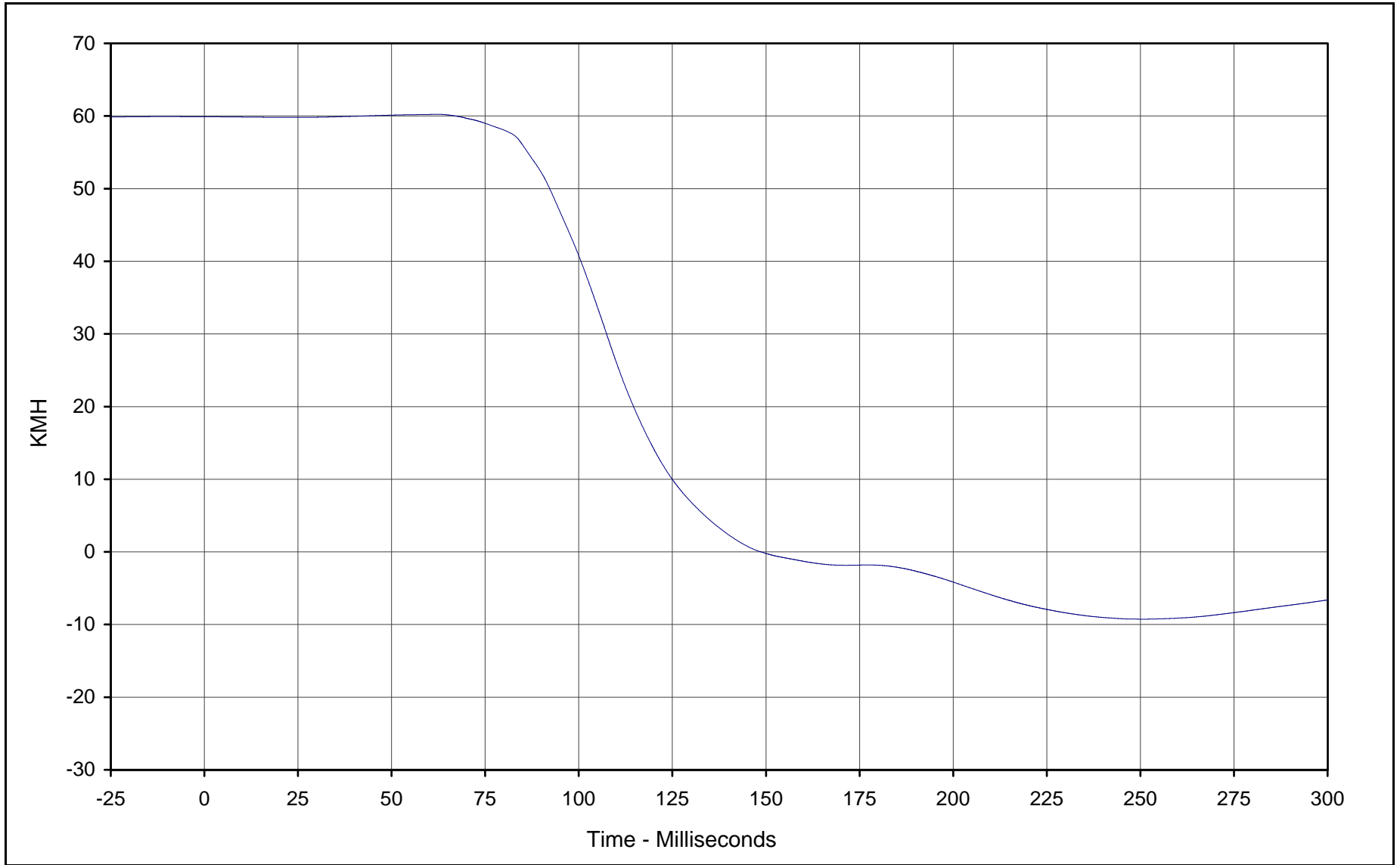


Curve Description: Driver Head Redundant X  
Maximum Value: 2.5 at 296.3 Milliseconds  
Minimum Value: -44.1 at 106.5 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-004

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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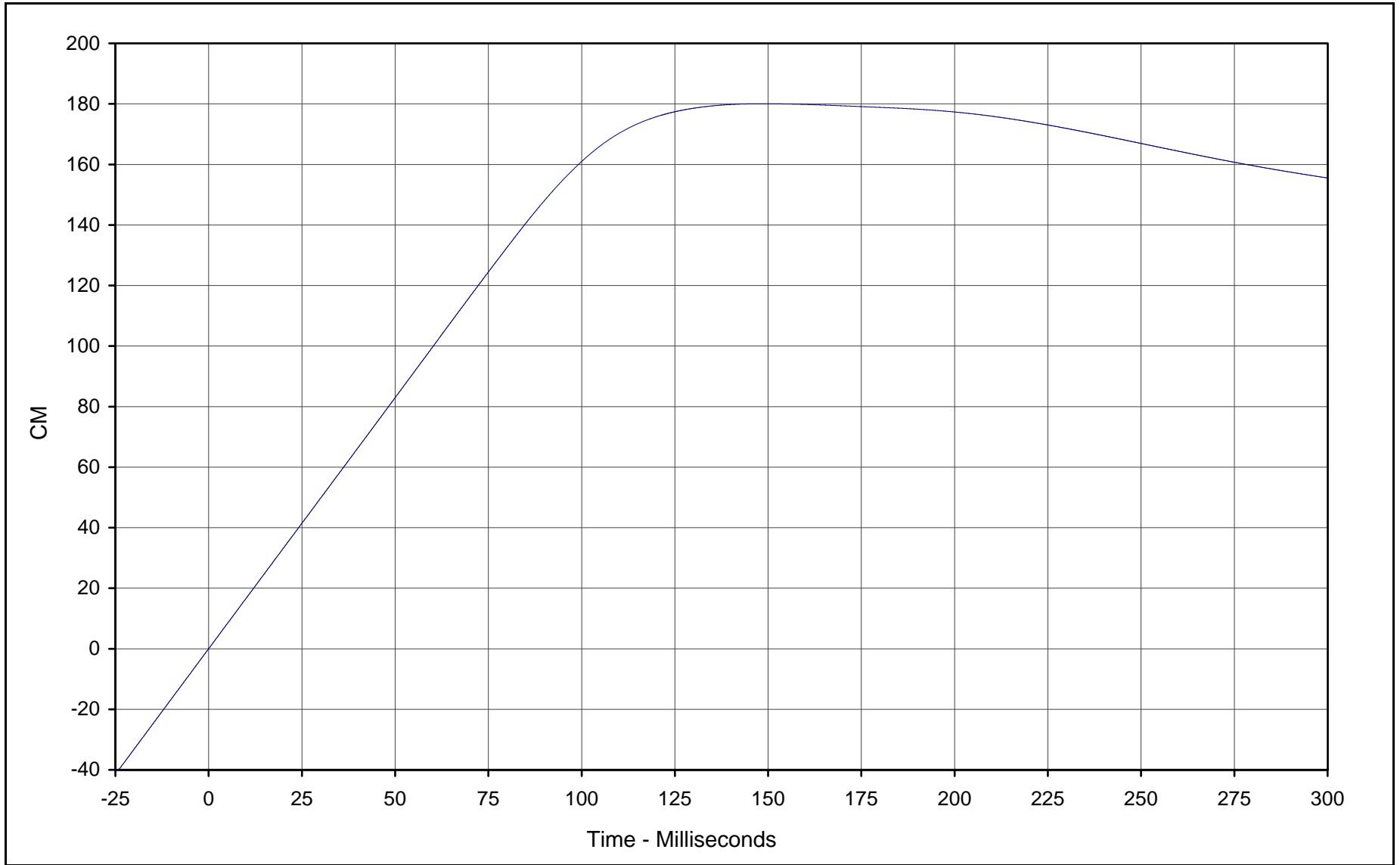


Curve Description: Driver Head Redundant X Velocity  
Maximum Value: 60.2 at 61.6 Milliseconds  
Minimum Value: -9.3 at 251.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-004

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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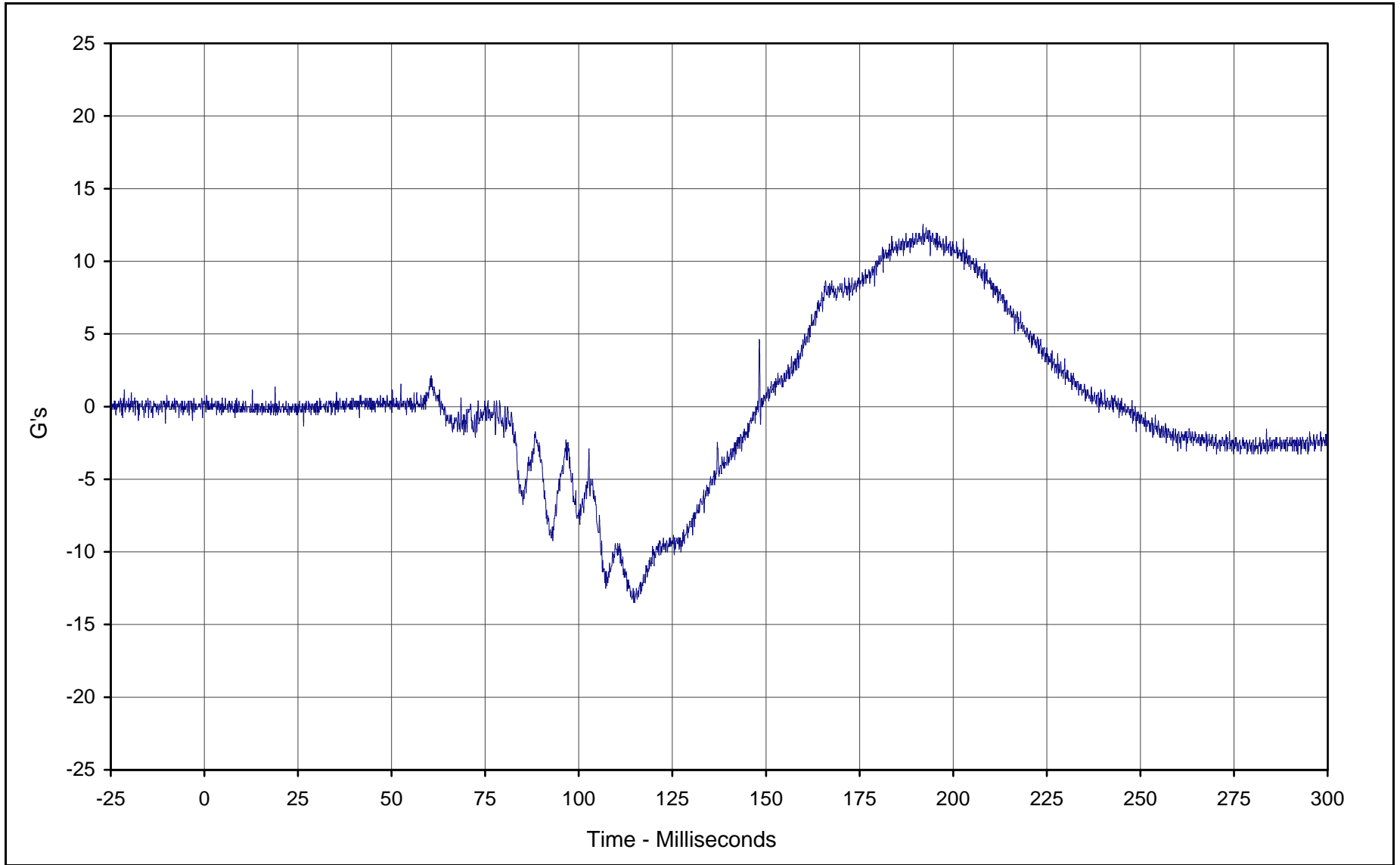
Curve Description: Driver Head Redundant X Displ.  
Maximum Value: 180.0 at 148.6 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-004

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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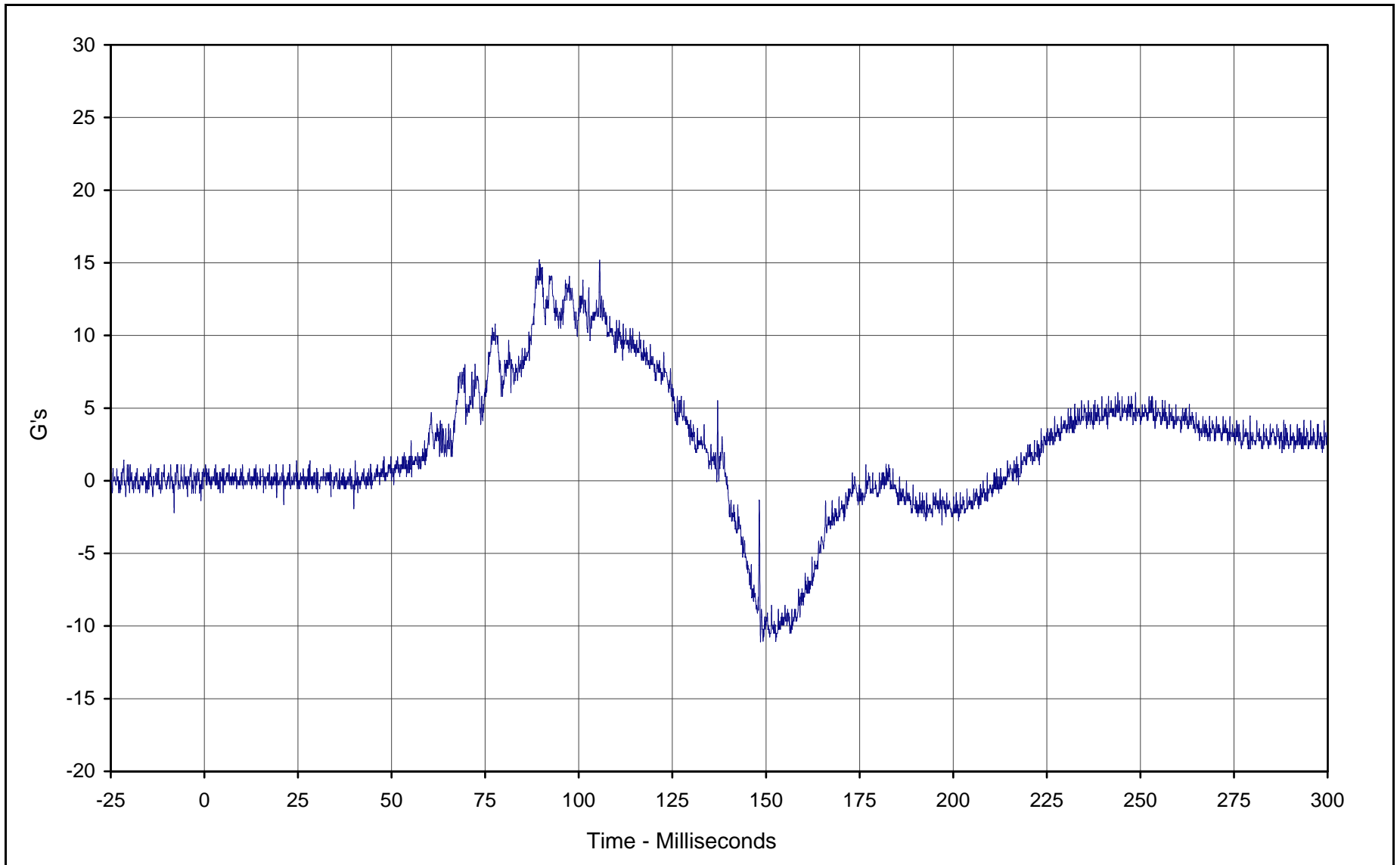
Curve Description: Driver Head Redundant Y  
Maximum Value: 12.5 at 192.0 Milliseconds  
Minimum Value: -13.5 at 114.7 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-005

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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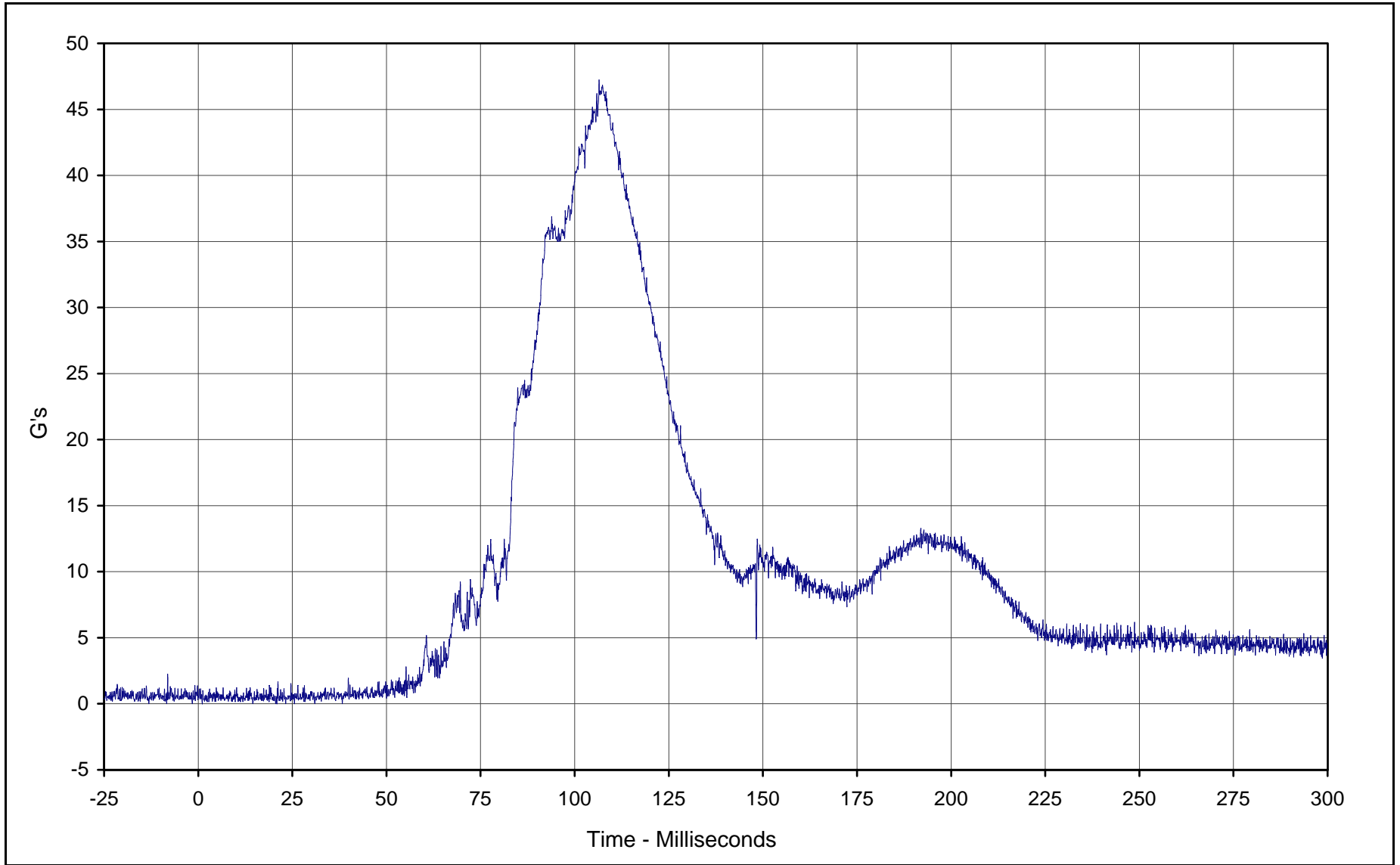
Curve Description: Driver Head Redundant Z  
Maximum Value: 15.2 at 89.5 Milliseconds  
Minimum Value: -11.0 at 148.5 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-006

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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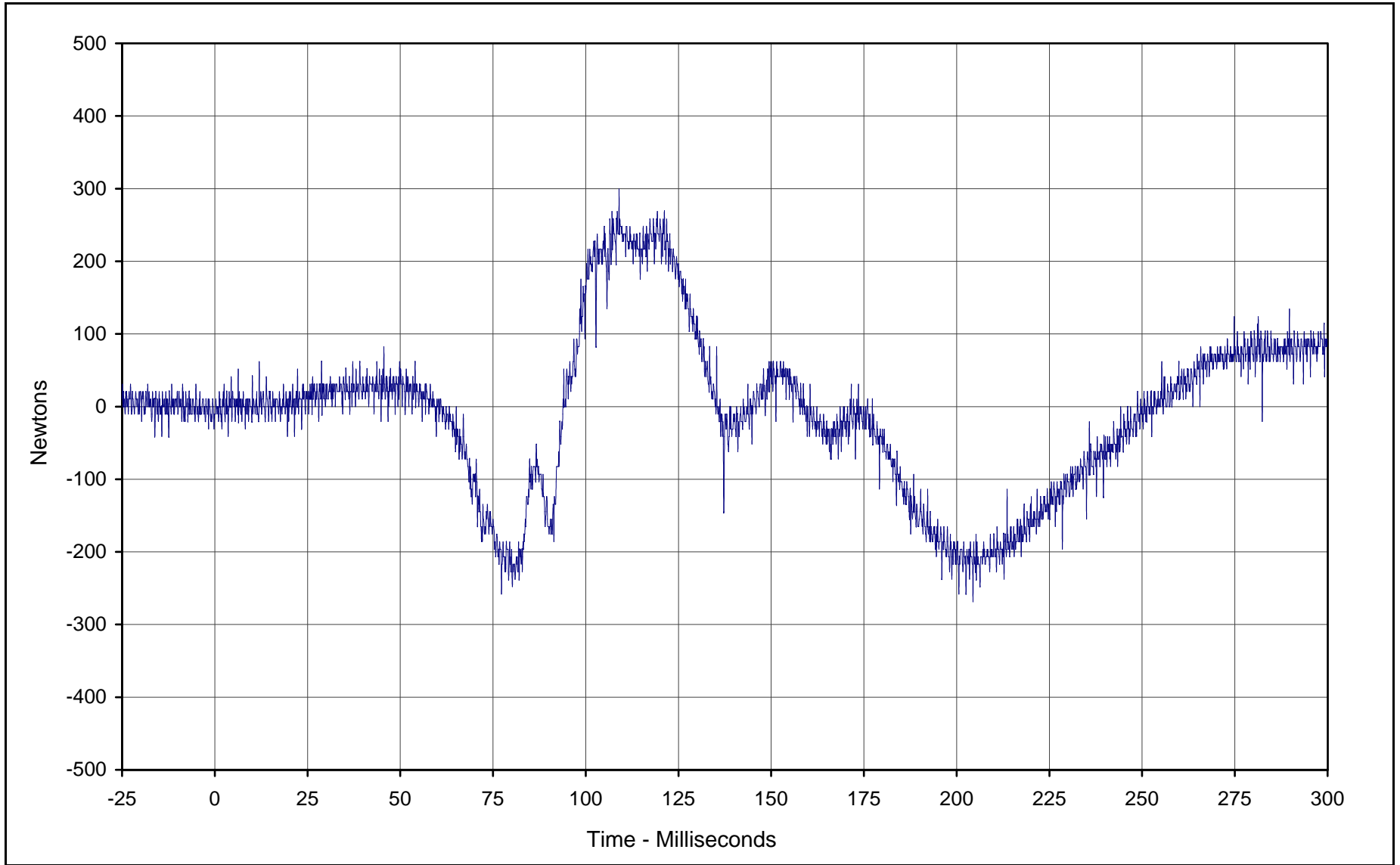


Curve Description: Driver Head Resultant Redundant  
Maximum Value: 47.2 at 106.5 Milliseconds  
Minimum Value: 0.0 at 1.1 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: RES-004

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



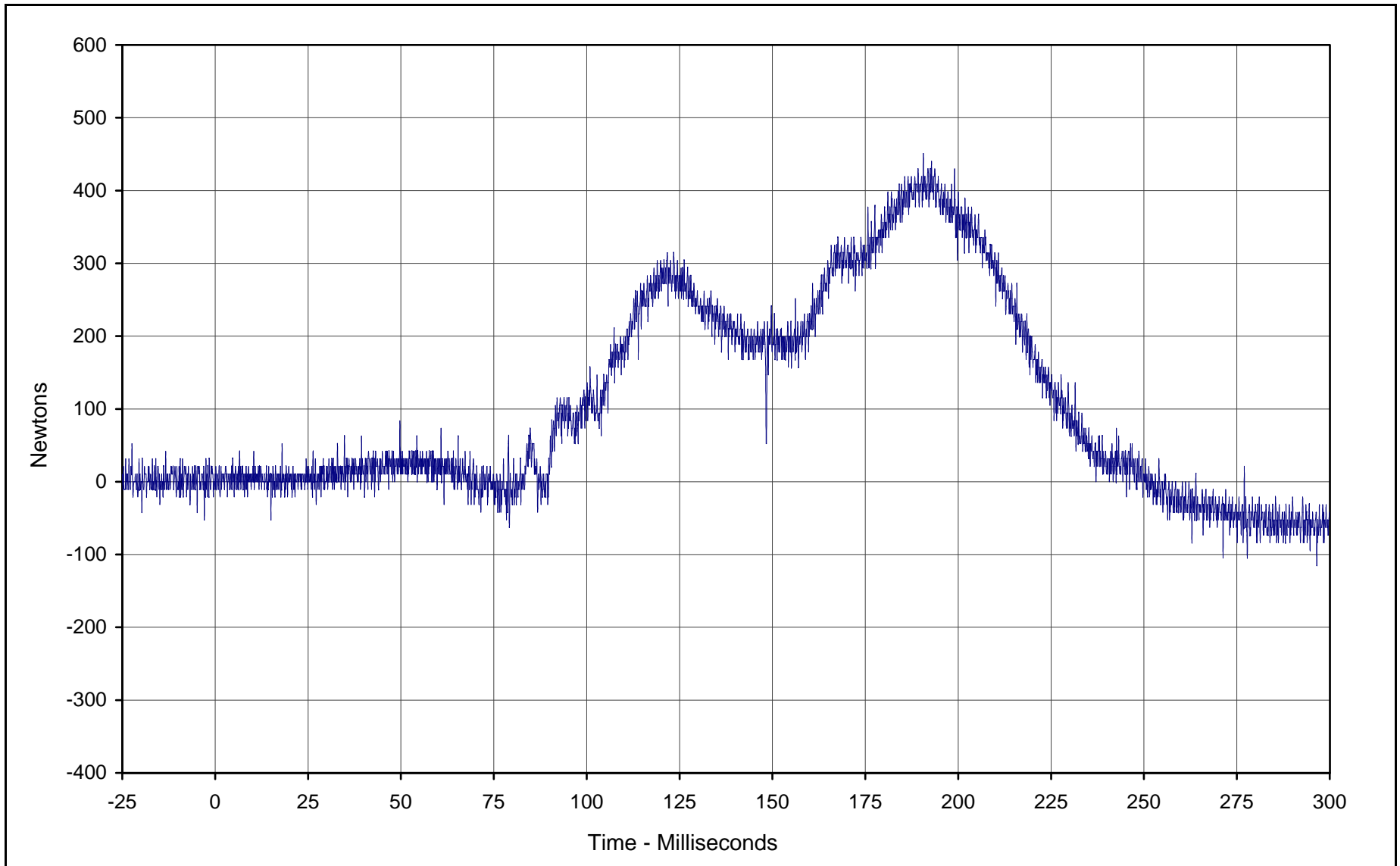
KARR20002-02



Curve Description: Driver Neck Force X  
Maximum Value: 299.7 at 109.0 Milliseconds  
Minimum Value: -268.7 at 204.4 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-007

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

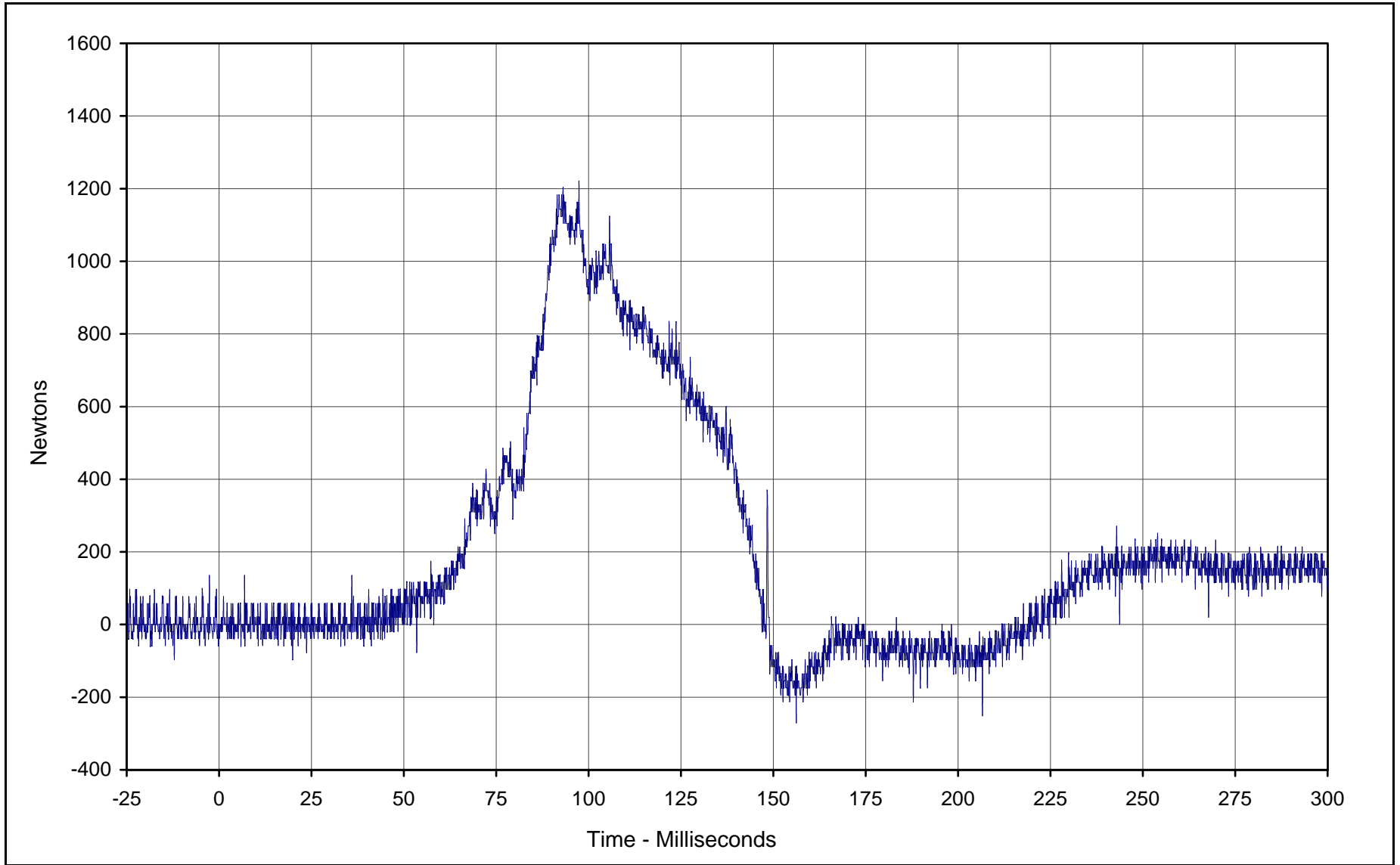




Curve Description: Driver Neck Force Y  
Maximum Value: 450.8 at 190.6 Milliseconds  
Minimum Value: -115.3 at 296.5 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-008

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

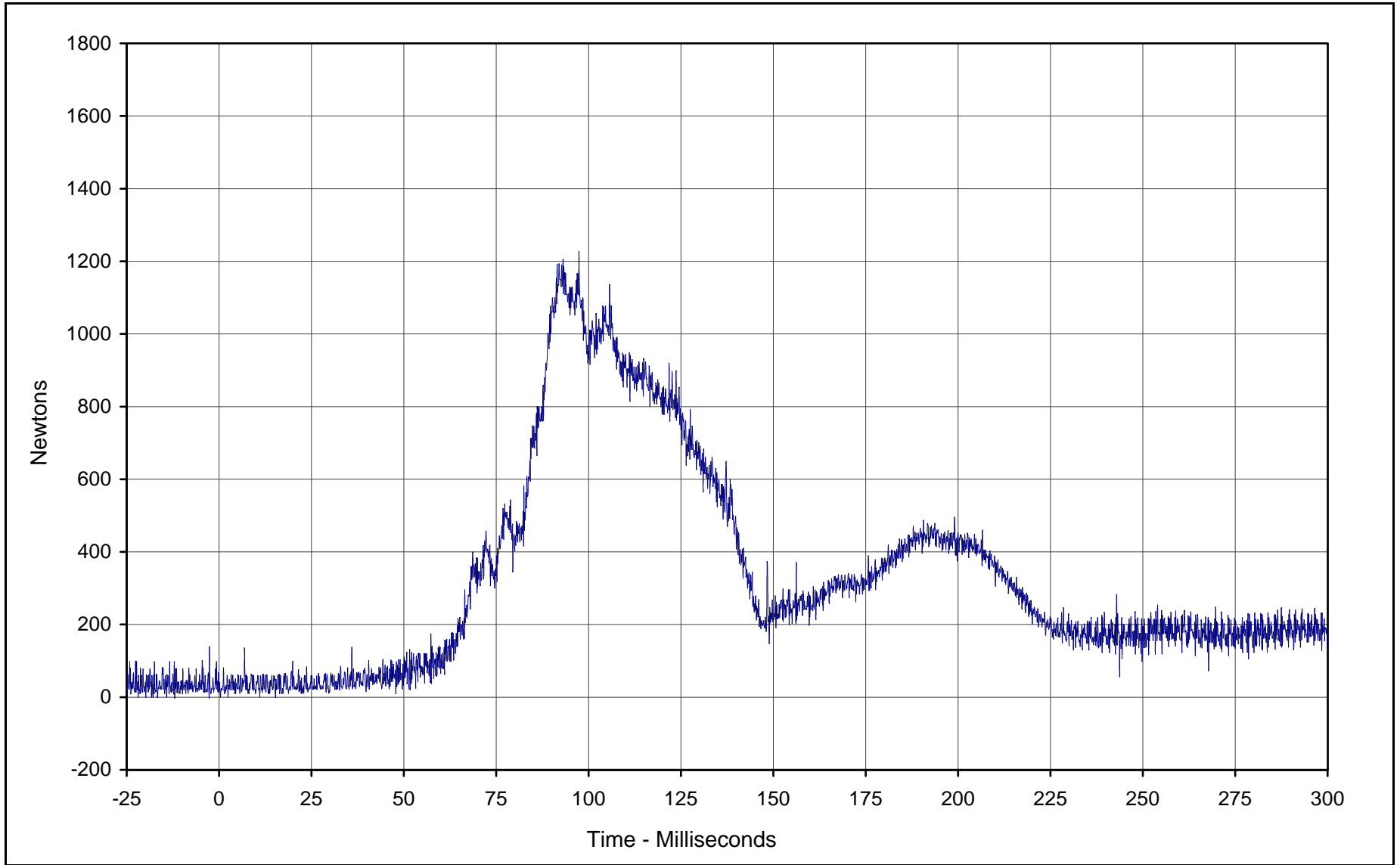




Curve Description: Driver Neck Force Z  
Maximum Value: 1220.8 at 97.4 Milliseconds  
Minimum Value: -271.3 at 156.2 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-009

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

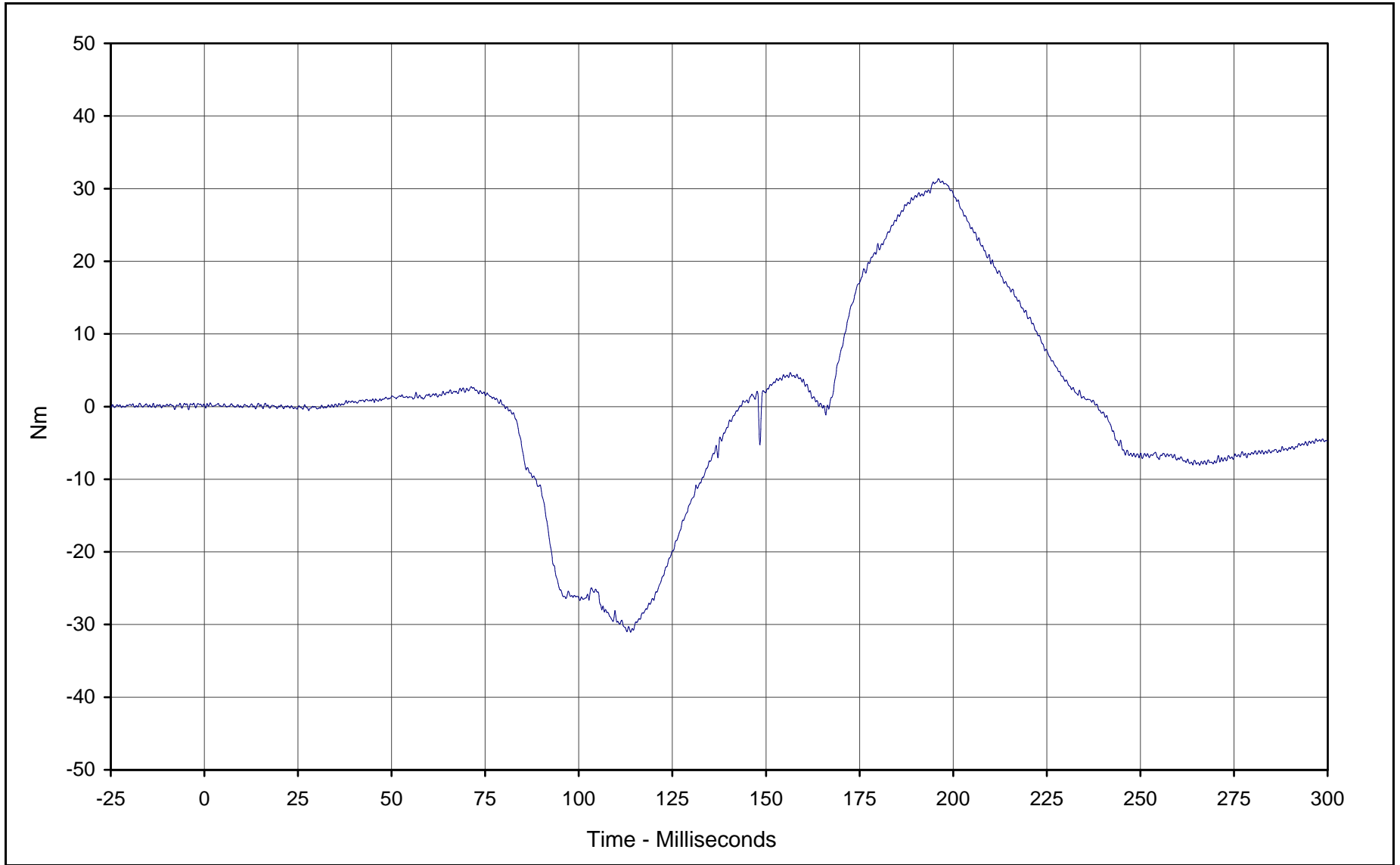




Curve Description: Driver Neck Force Resultant  
Maximum Value: 1226.4 at 97.4 Milliseconds  
Minimum Value: 0.0 at 0.4 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: RES-007

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

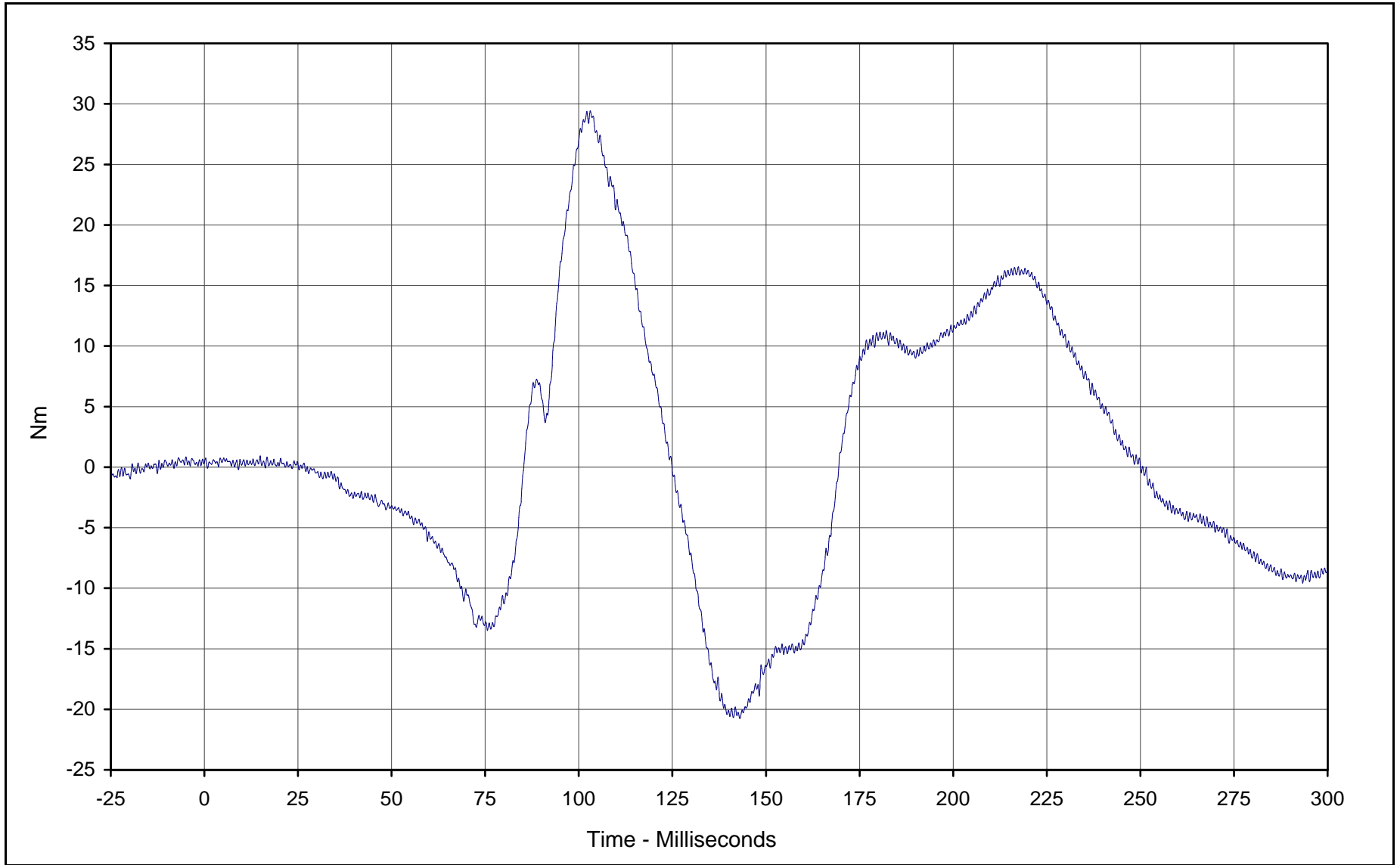




Curve Description: Driver Neck Moment X  
 Maximum Value: 31.4 at 196.1 Milliseconds  
 Minimum Value: -31.0 at 113.9 Milliseconds  
 SAE Filter Class: 600  
 Date of Test: 08/15/00  
 Curve Number: FIL-010

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

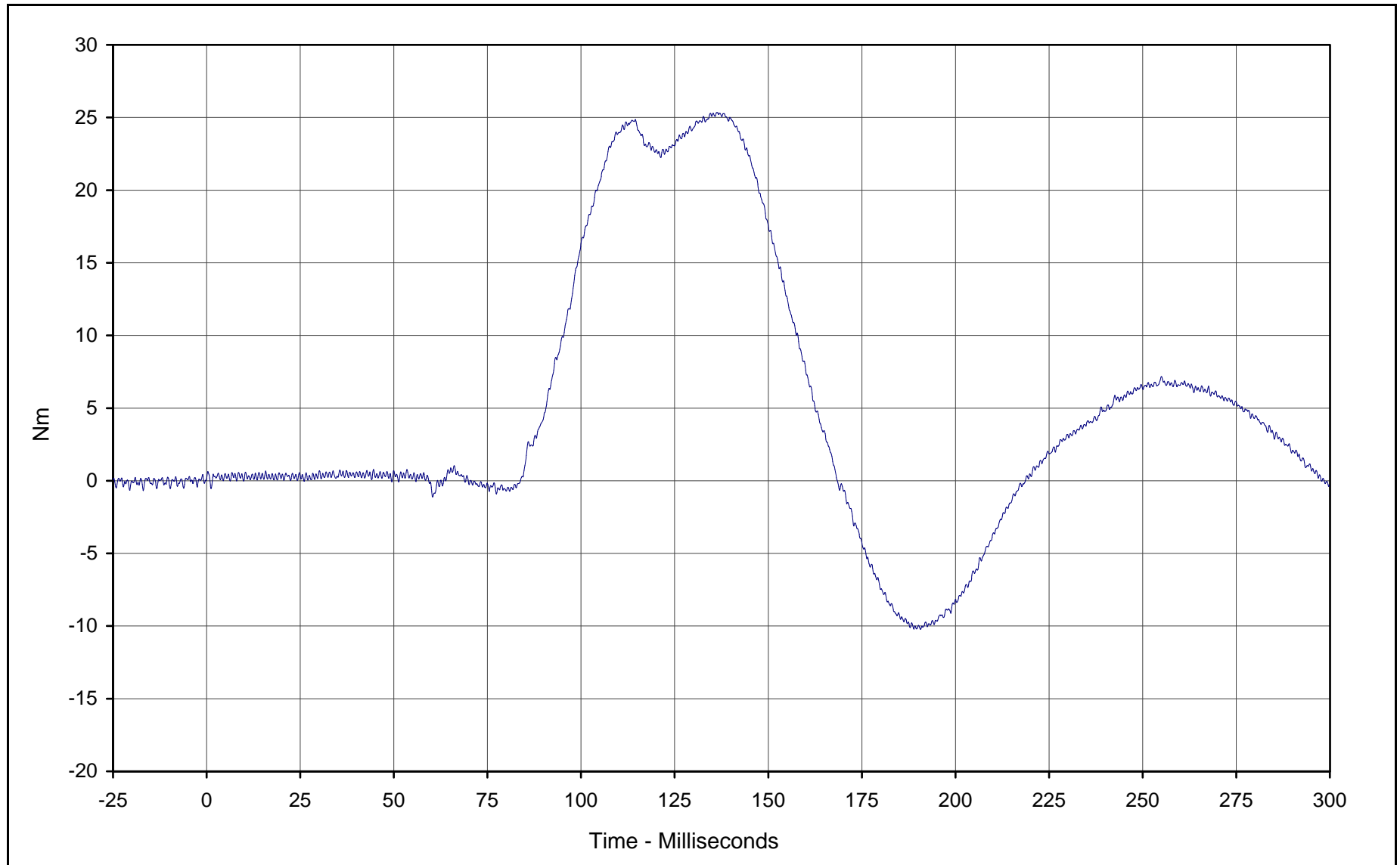




Curve Description: Driver Neck Moment Y  
 Maximum Value: 29.4 at 103.1 Milliseconds  
 Minimum Value: -20.8 at 143.0 Milliseconds  
 SAE Filter Class: 600  
 Date of Test: 08/15/00  
 Curve Number: FIL-011

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

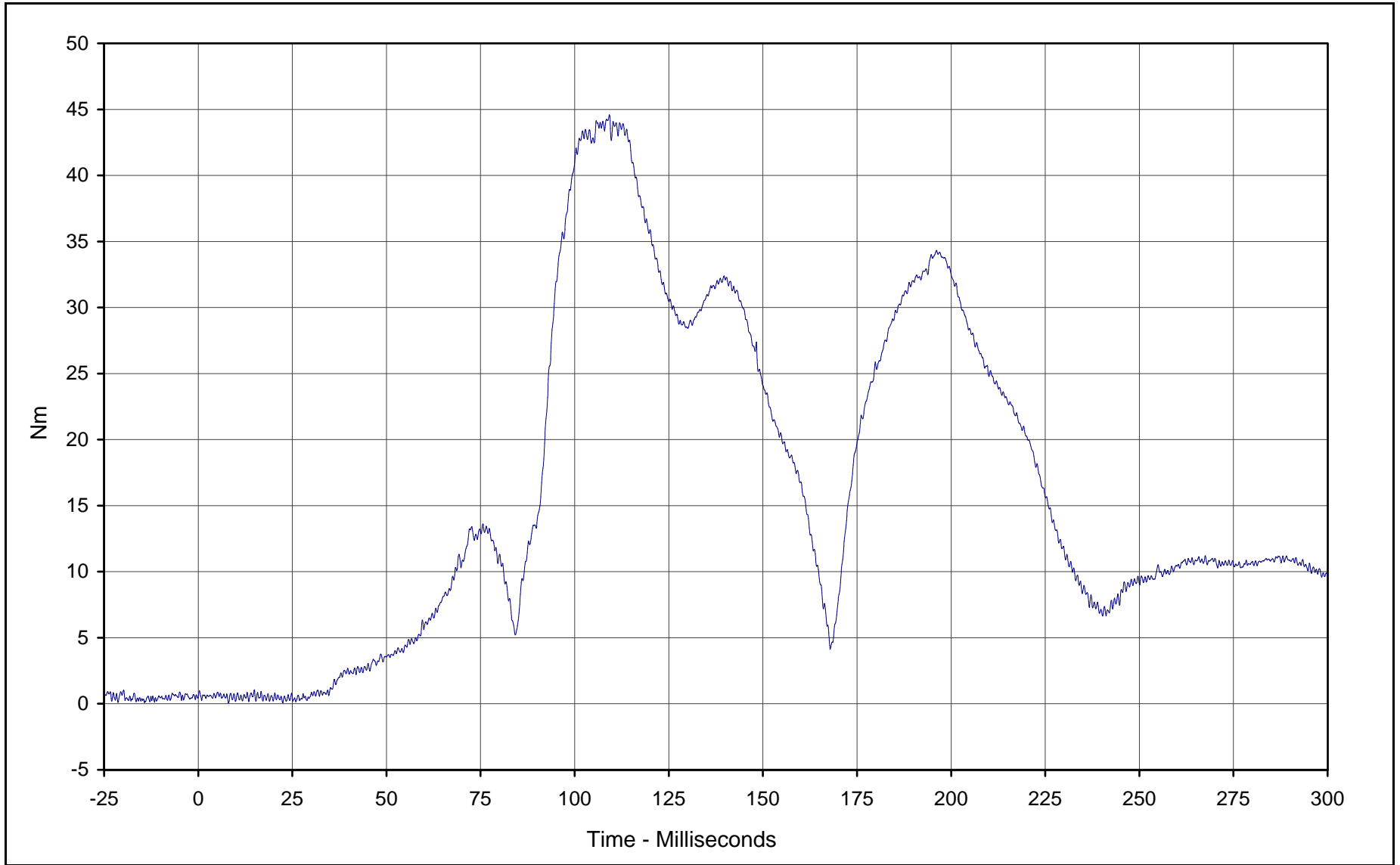




Curve Description: Driver Neck Moment Z  
Maximum Value: 25.3 at 136.2 Milliseconds  
Minimum Value: -10.2 at 190.7 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-012

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



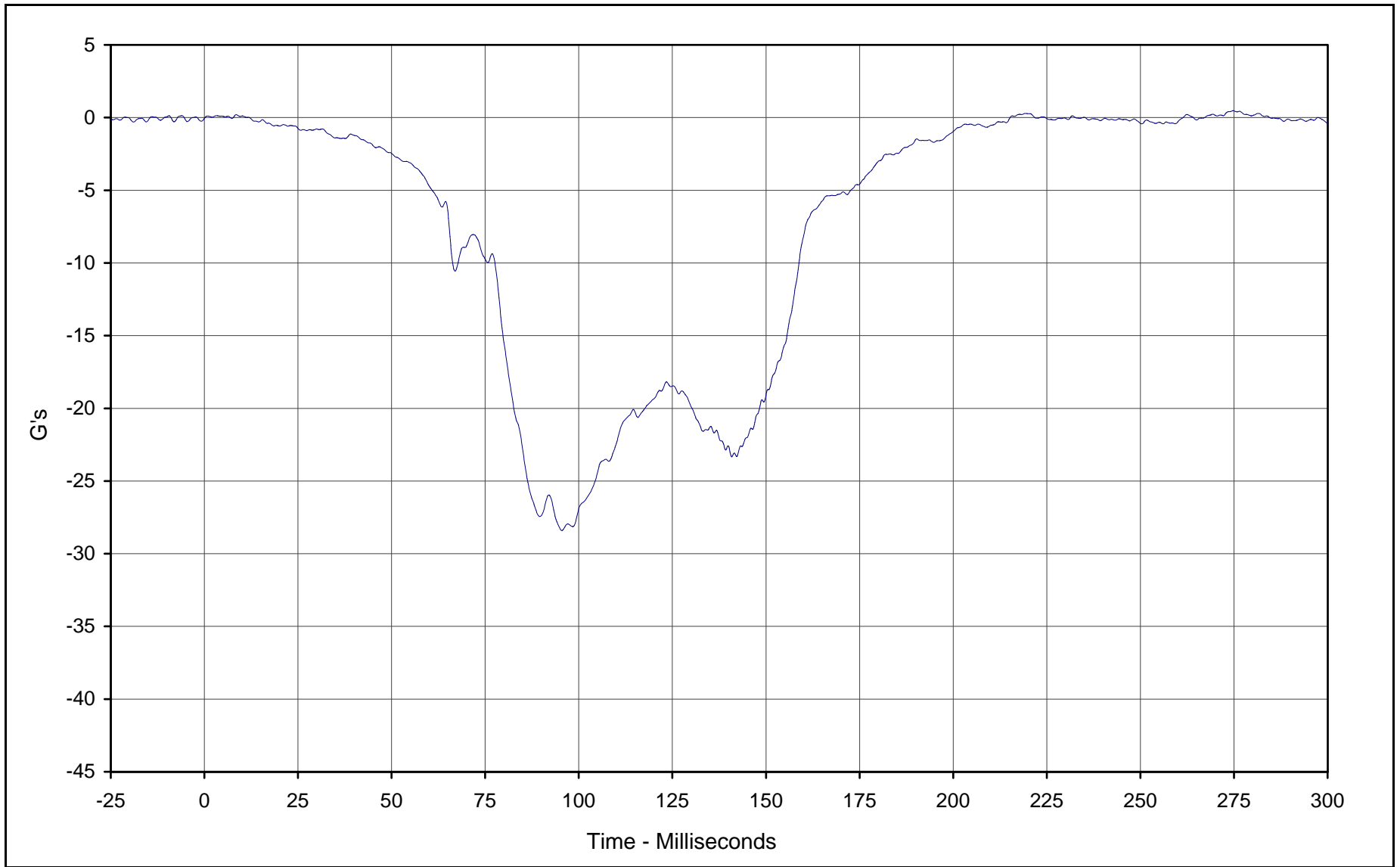


Curve Description: Driver Neck Moment Resultant  
 Maximum Value: 44.6 at 109.2 Milliseconds  
 Minimum Value: 0.0 at 8.0 Milliseconds  
 SAE Filter Class: 600  
 Date of Test: 08/15/00  
 Curve Number: RES-010

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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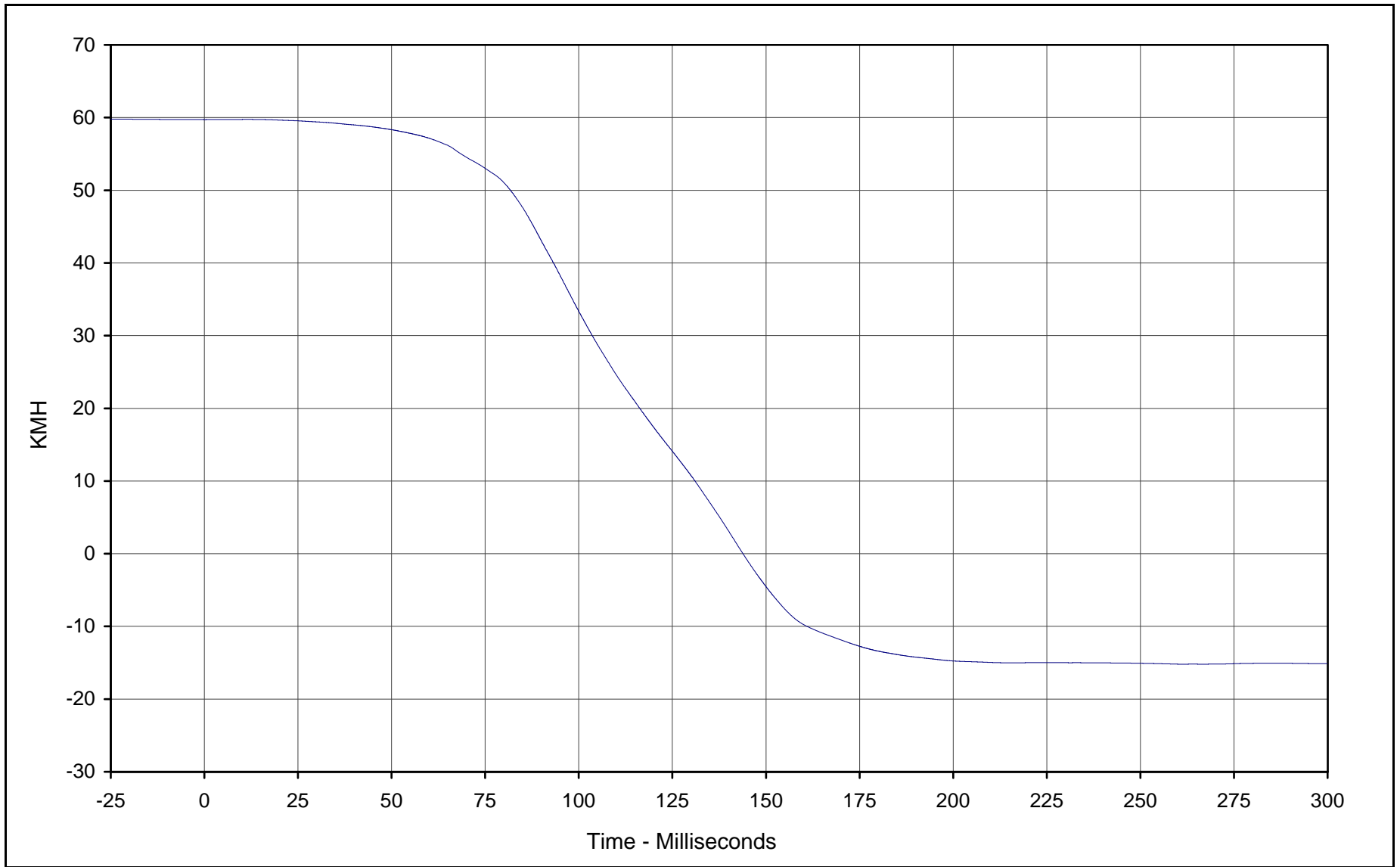


Curve Description: Driver Chest Primary X  
Maximum Value: 0.5 at 274.7 Milliseconds  
Minimum Value: -28.4 at 95.5 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-013

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



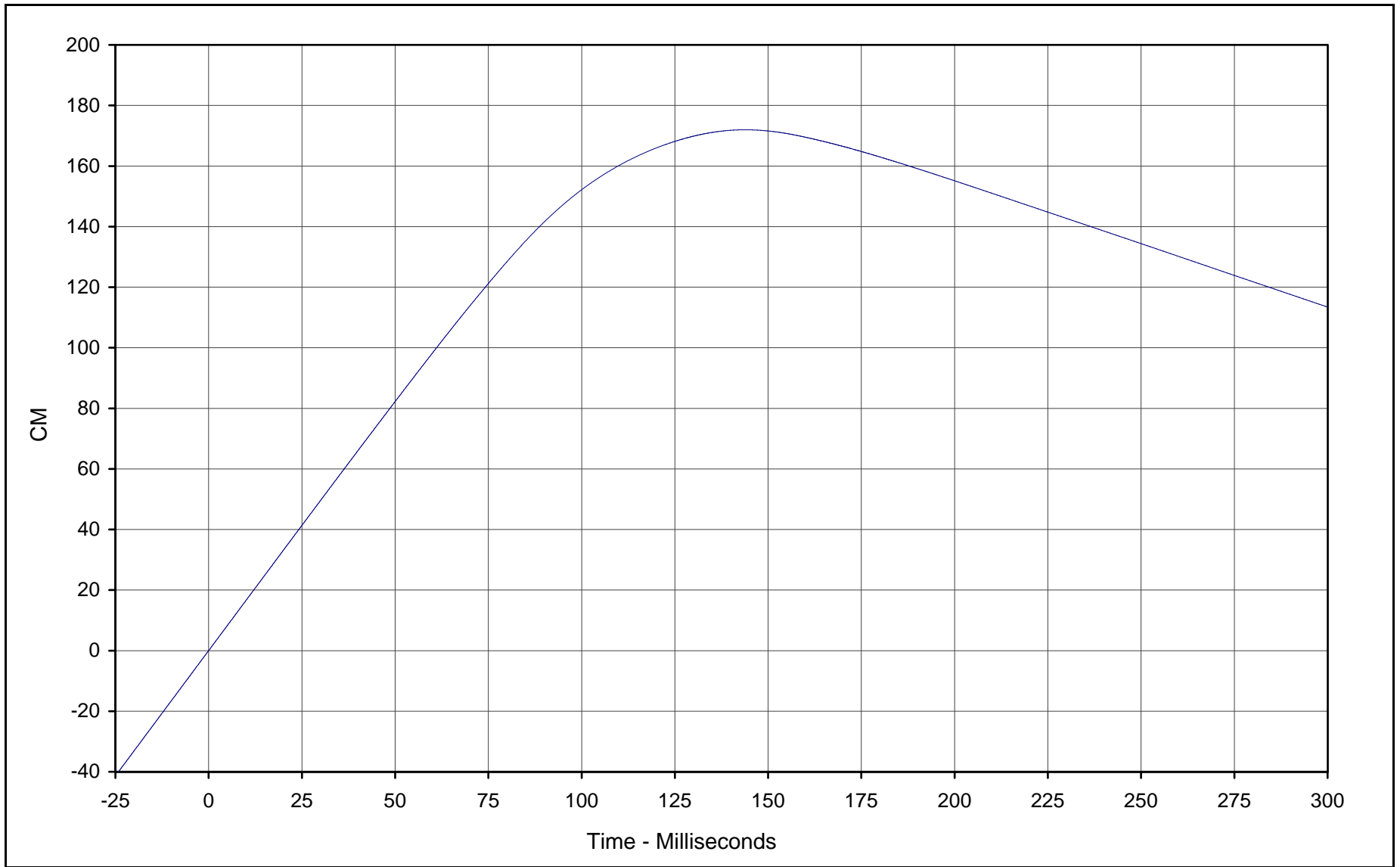
KARR20002-02



Curve Description: Driver Chest Primary X Velocity  
 Maximum Value: 59.7 at 12.1 Milliseconds  
 Minimum Value: -15.2 at 261.4 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: IN1-013

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

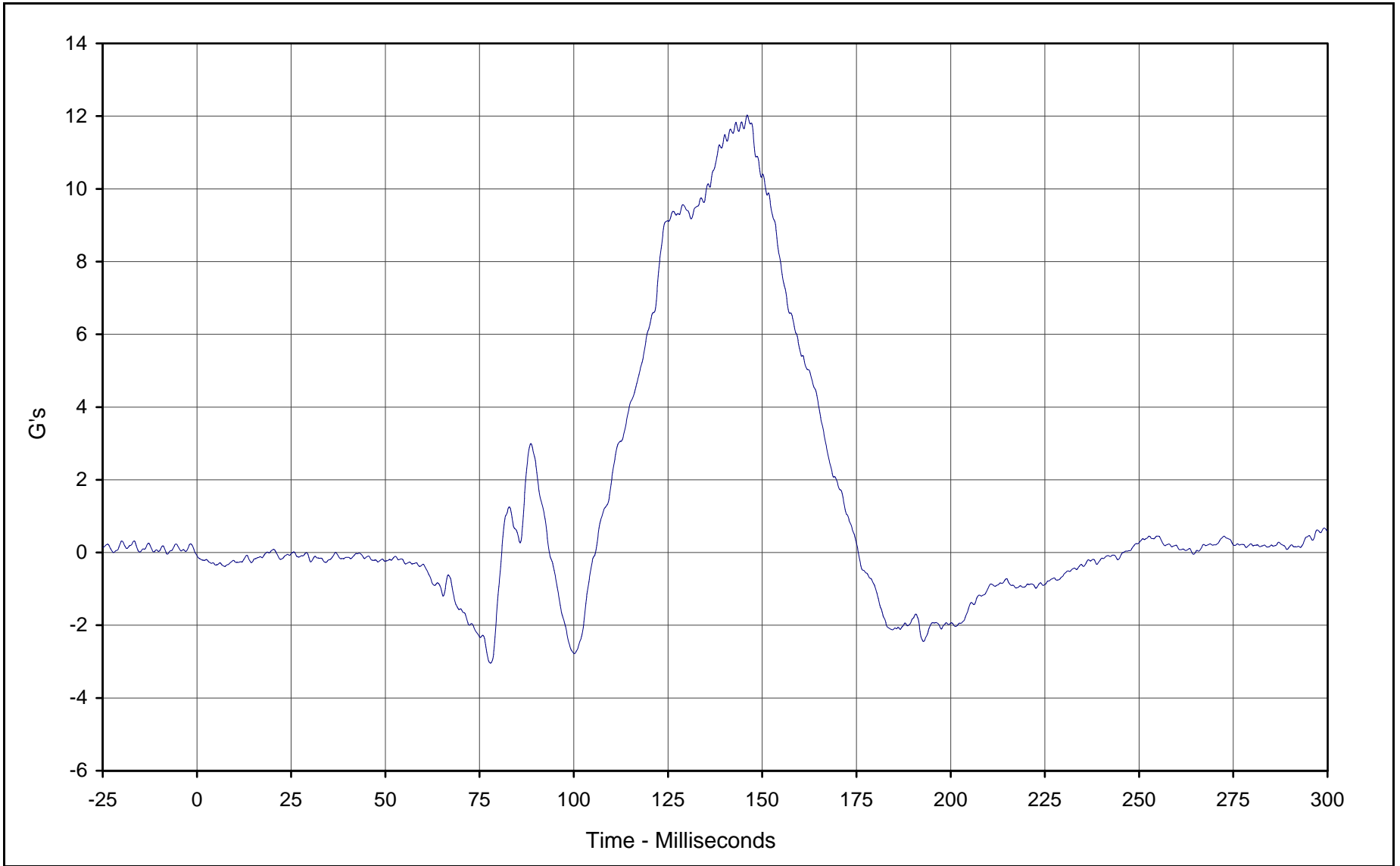




Curve Description: Driver Chest Primary X Displ.  
Maximum Value: 172.0 at 143.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-013

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

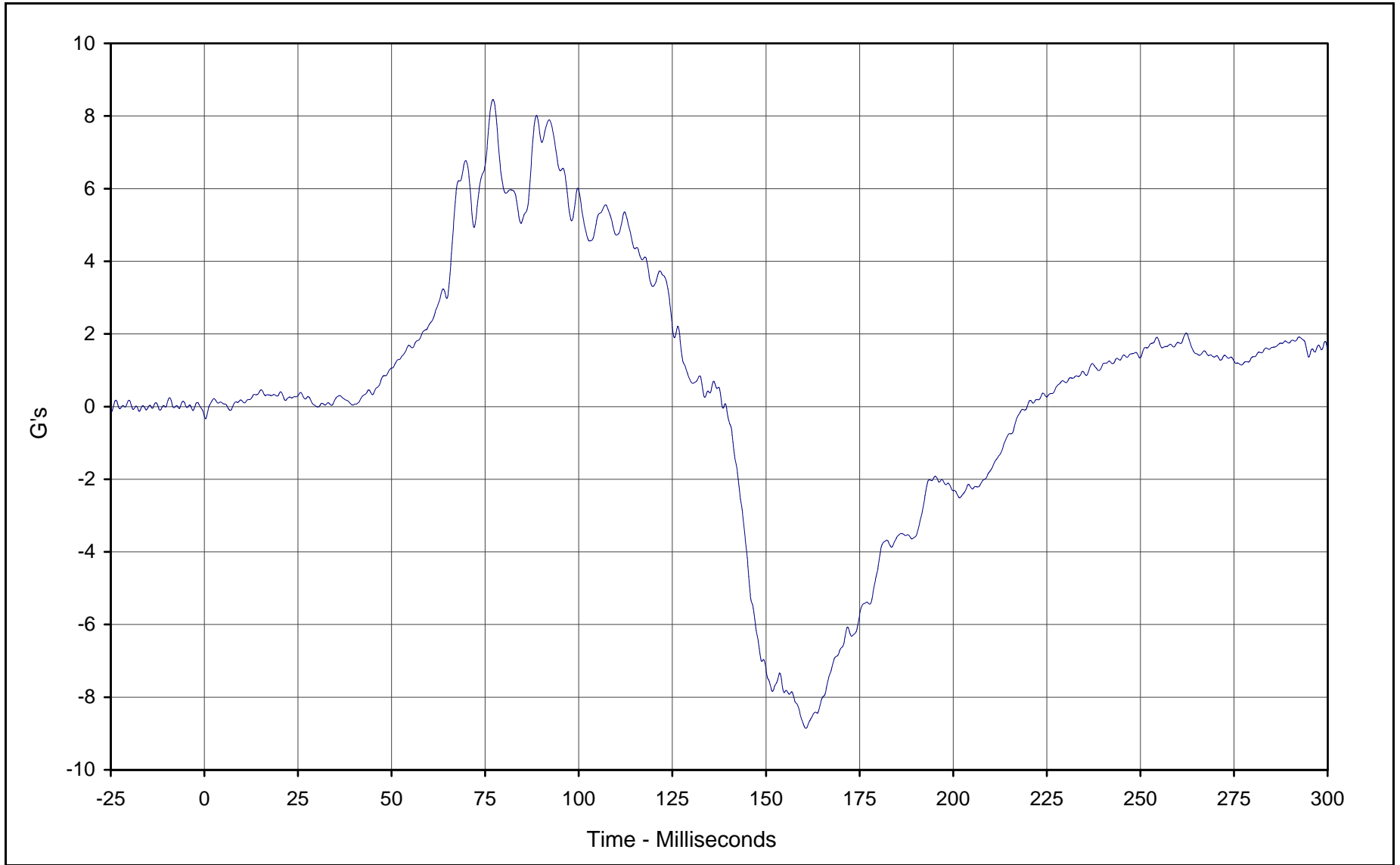




Curve Description: Driver Chest Primary Y  
Maximum Value: 12.0 at 146.0 Milliseconds  
Minimum Value: -3.0 at 77.9 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-014

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

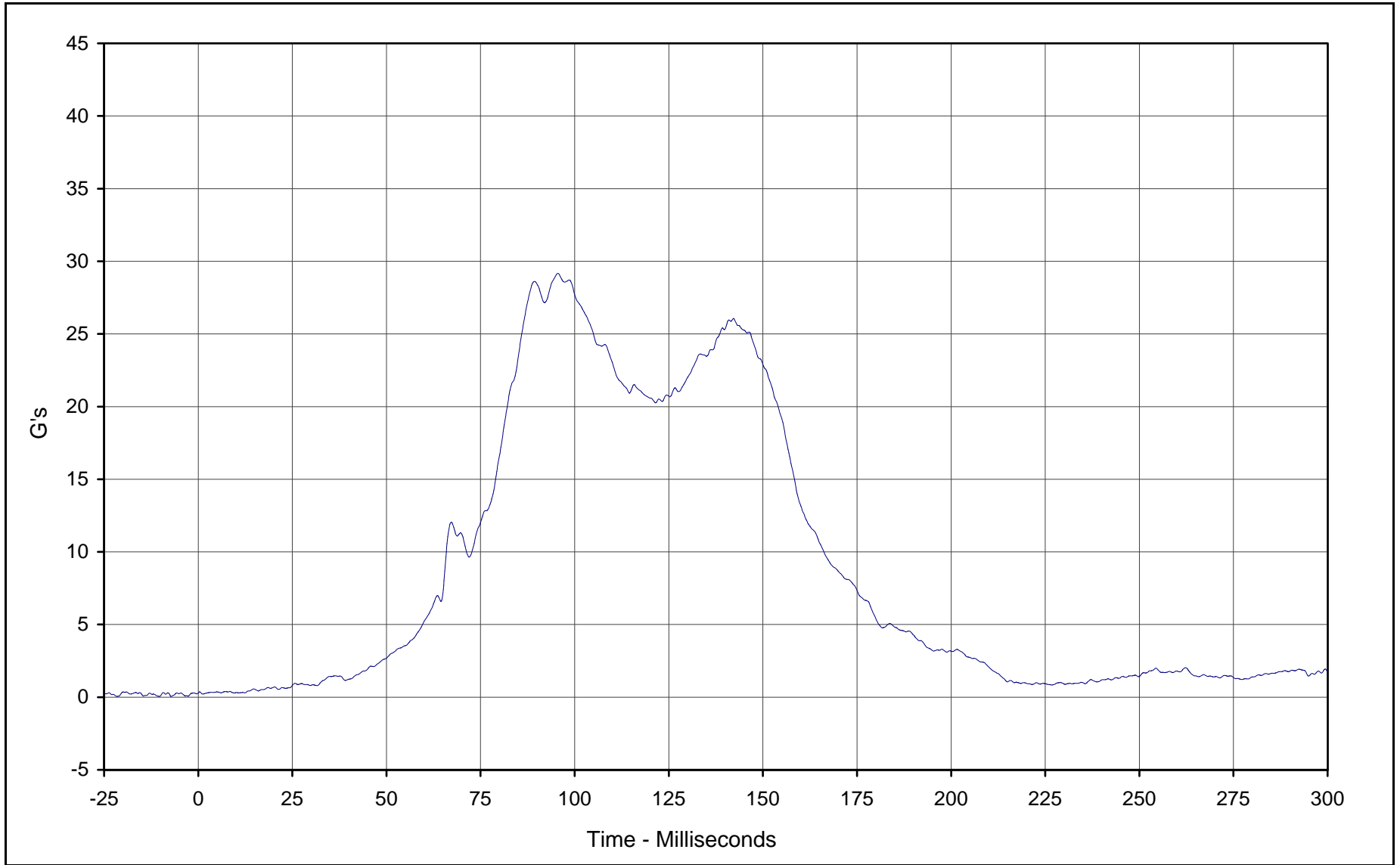




Curve Description: Driver Chest Primary Z  
 Maximum Value: 8.5 at 77.1 Milliseconds  
 Minimum Value: -8.9 at 160.6 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-015

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

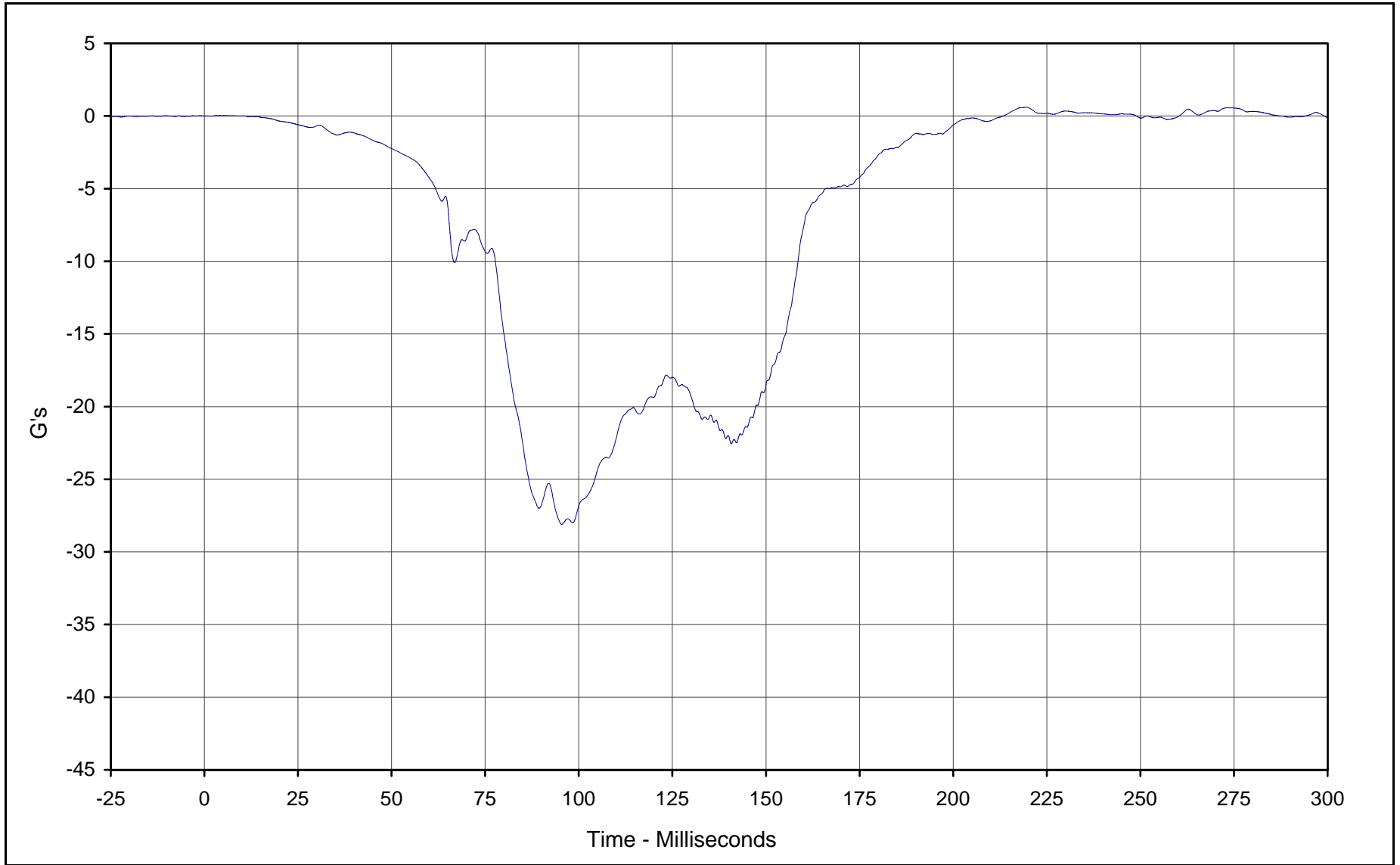




Curve Description: Driver Chest Resultant Primary  
Maximum Value: 29.2 at 95.5 Milliseconds  
Minimum Value: 0.2 at 1.2 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: RES-013

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

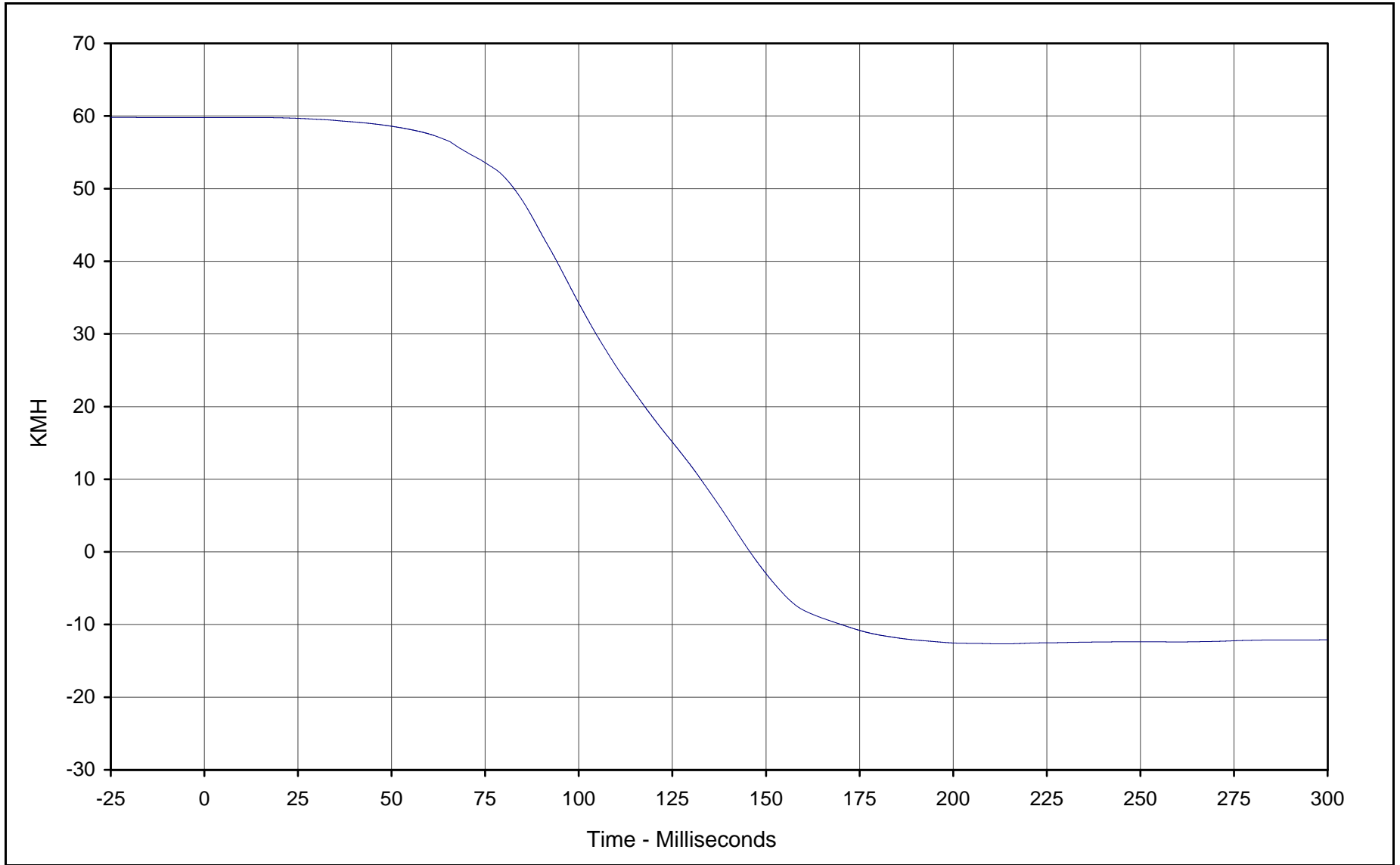




Curve Description: Driver Chest Redundant X  
 Maximum Value: 0.6 at 219.4 Milliseconds  
 Minimum Value: -28.1 at 95.4 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-016

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



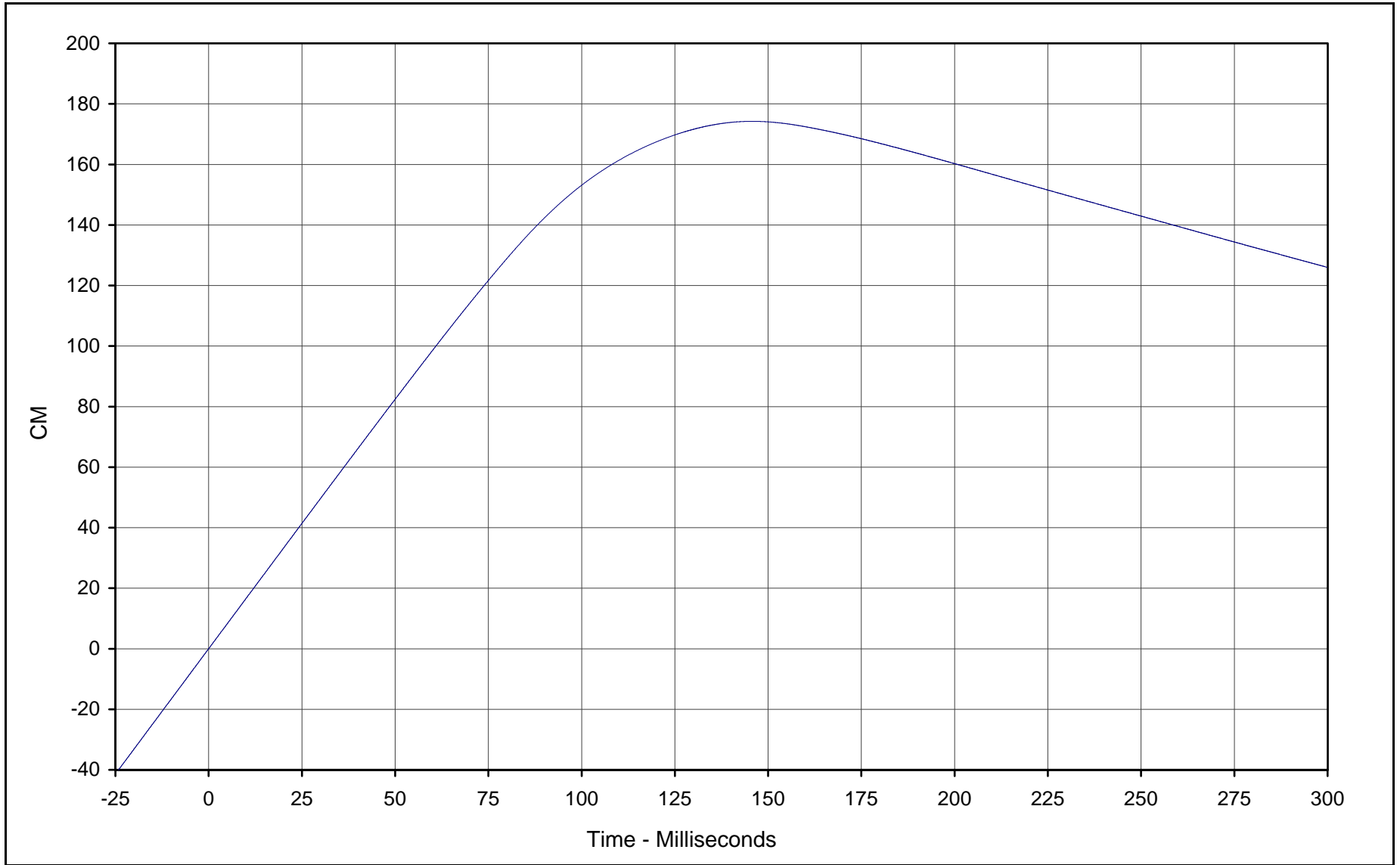


Curve Description: Driver Chest Redundant X Velocity  
 Maximum Value: 59.8 at 10.9 Milliseconds  
 Minimum Value: -12.7 at 213.3 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: IN1-016

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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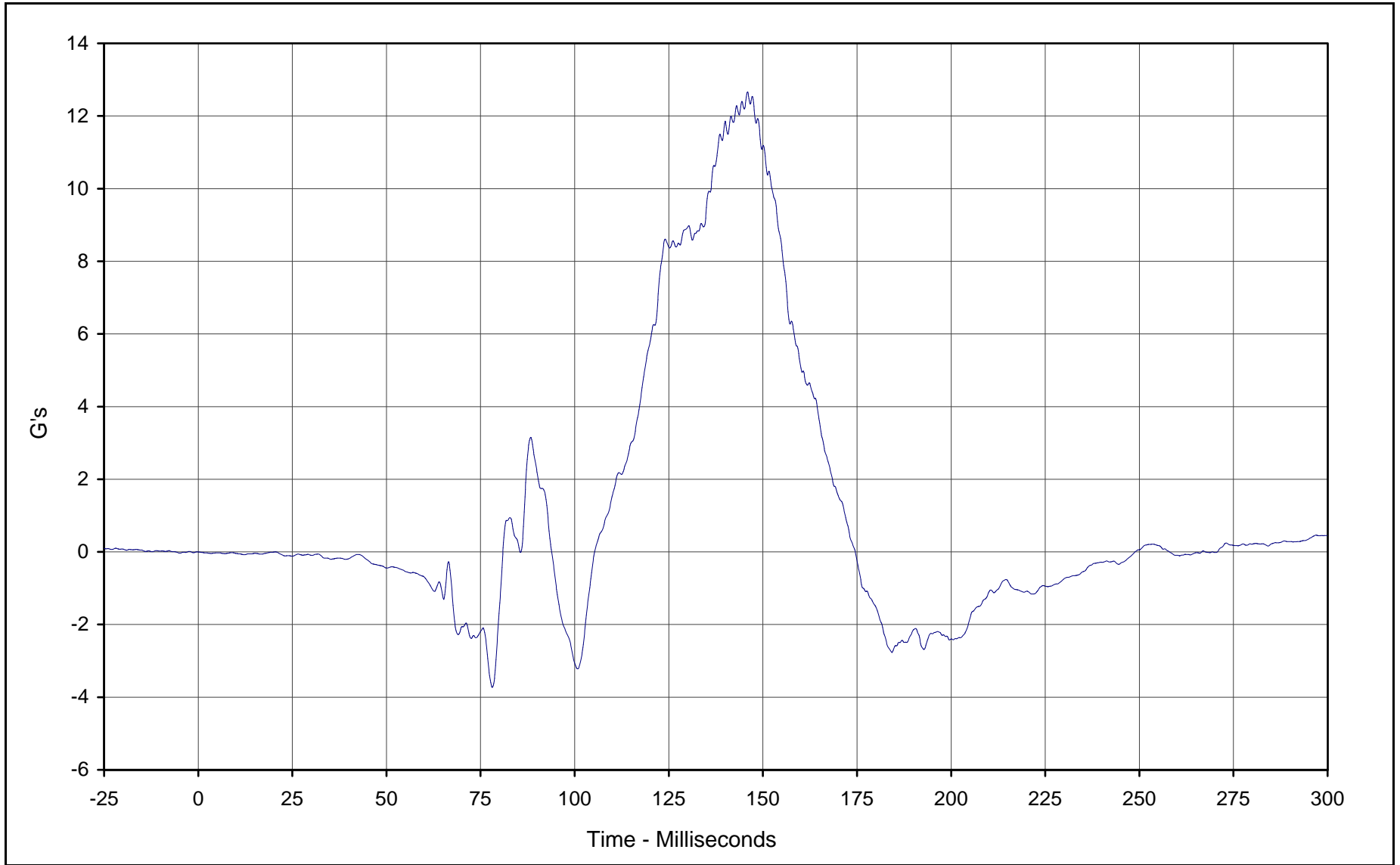


Curve Description: Driver Chest Redundant X Displ.  
Maximum Value: 174.2 at 145.7 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-016

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



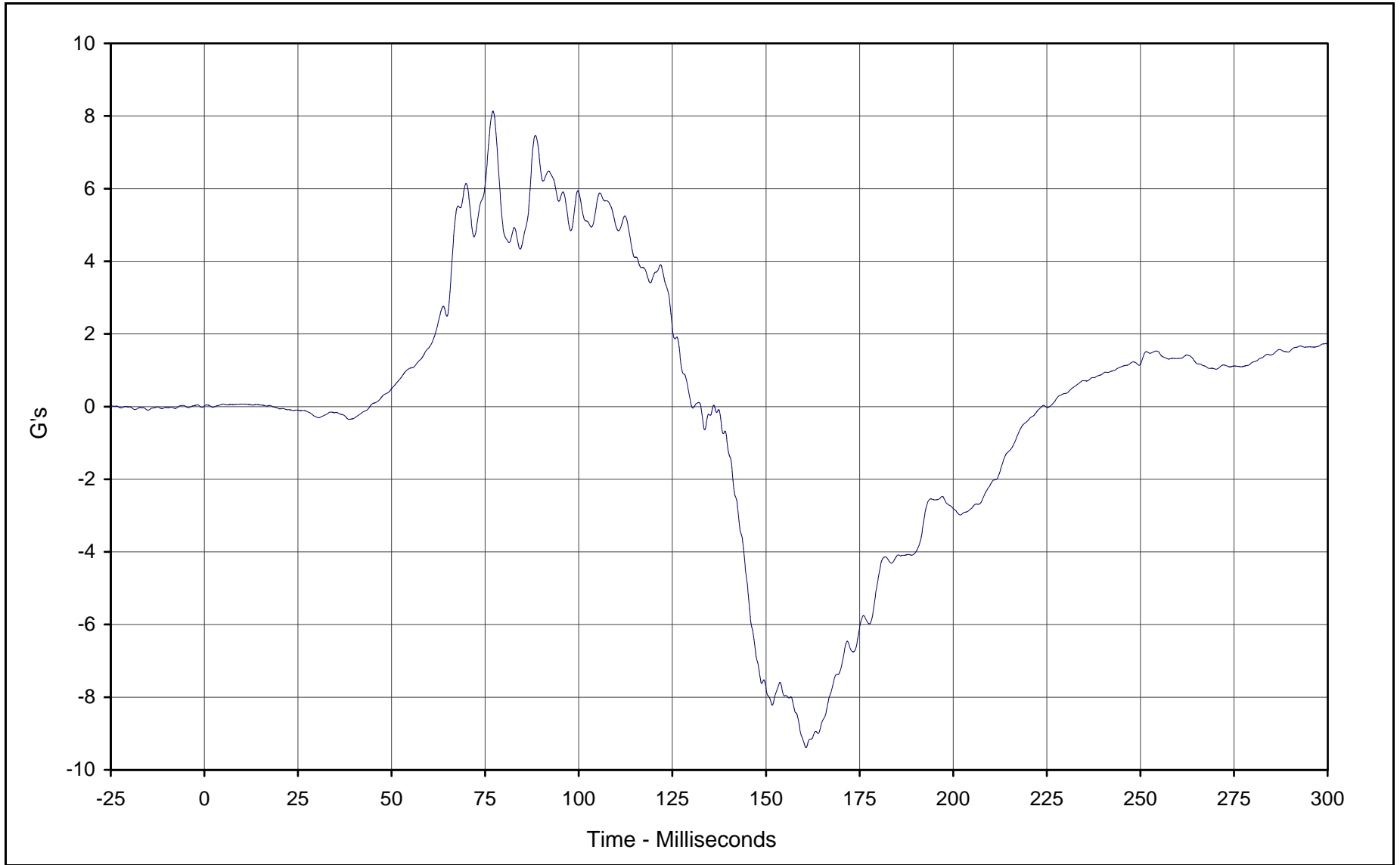
KARR20002-02



Curve Description: Driver Chest Redundant Y  
 Maximum Value: 12.7 at 145.9 Milliseconds  
 Minimum Value: -3.7 at 78.1 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-017

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



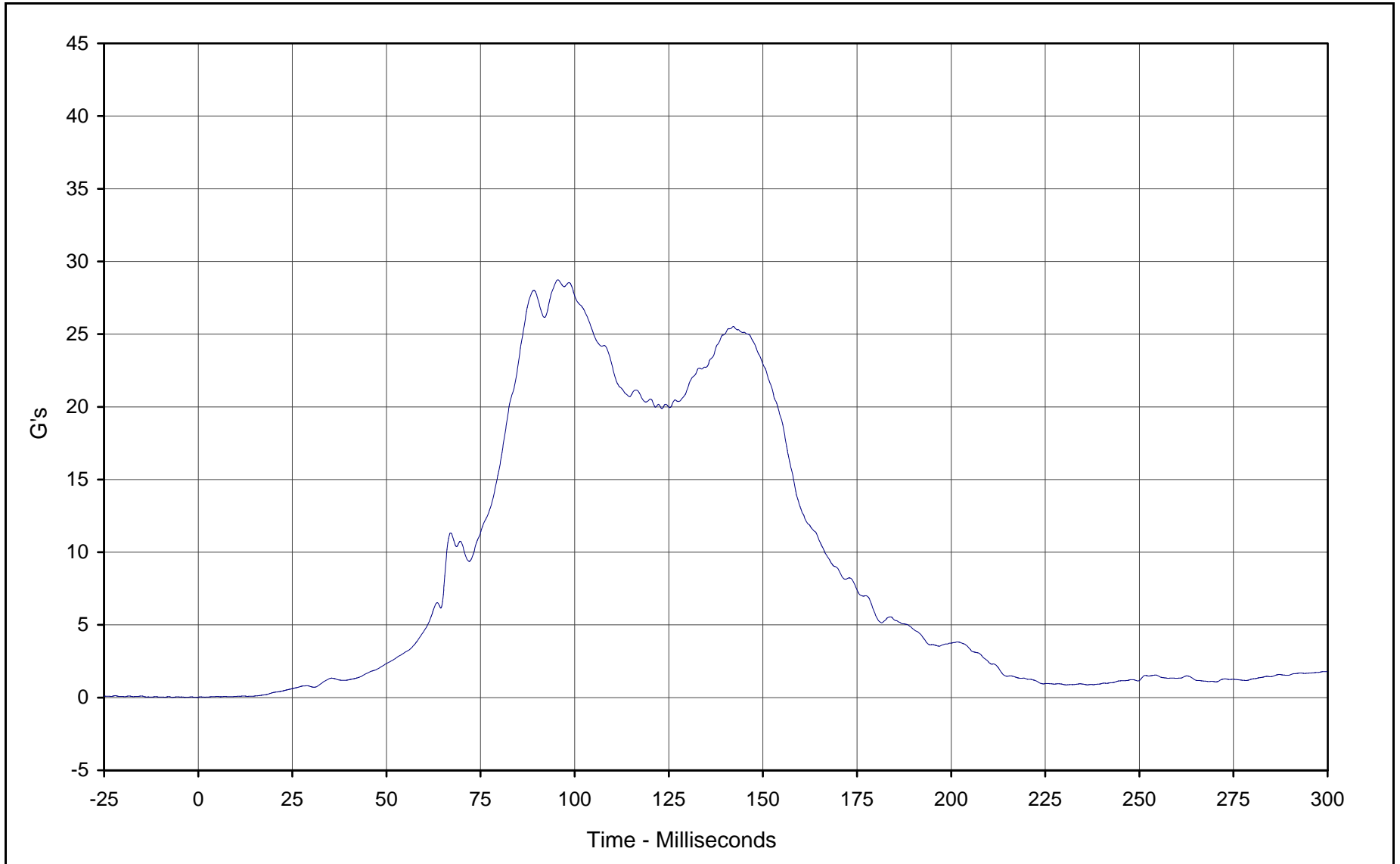


Curve Description: Driver Chest Redundant Z  
 Maximum Value: 8.1 at 77.1 Milliseconds  
 Minimum Value: -9.4 at 160.7 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-018

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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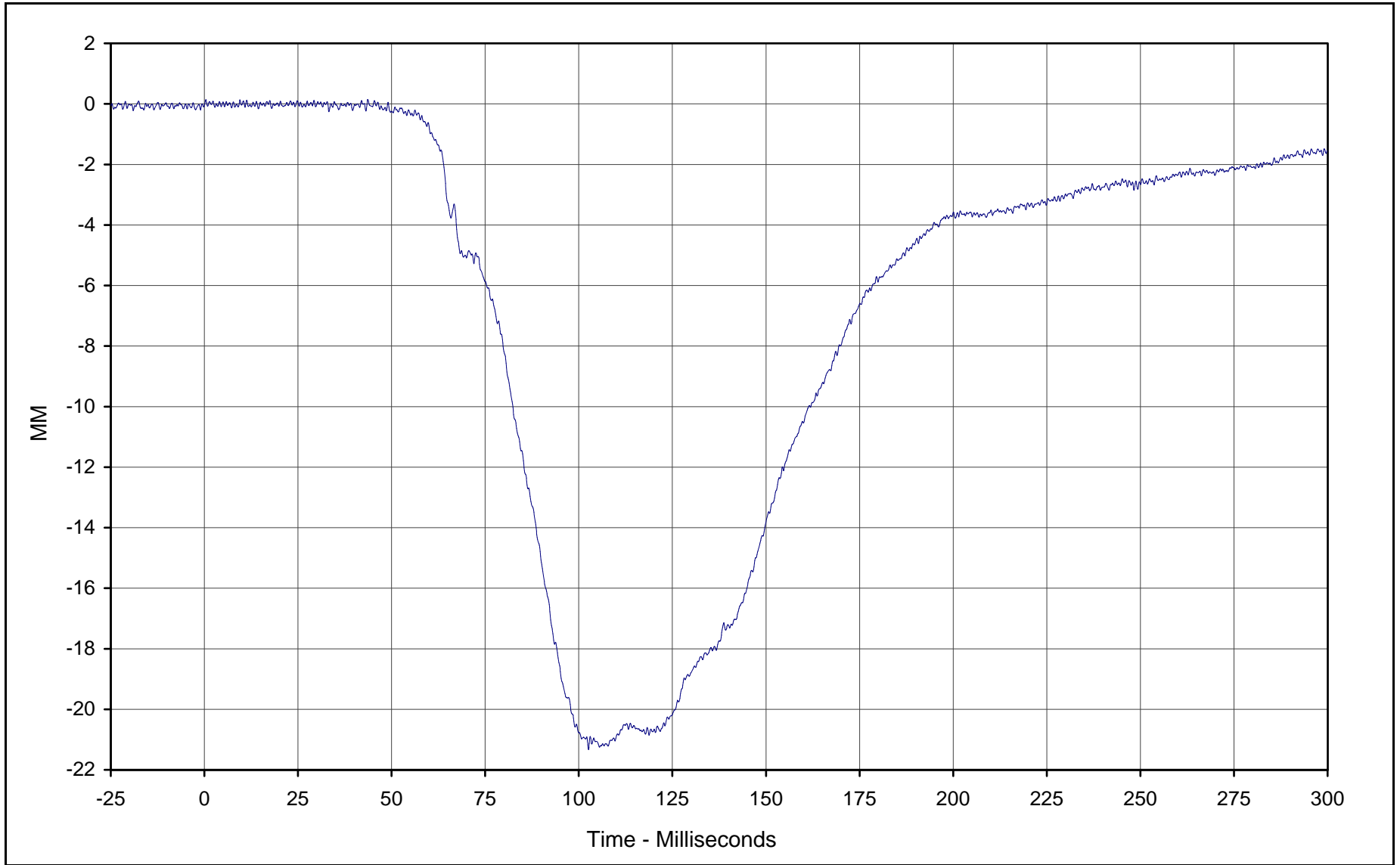


Curve Description: Driver Chest Resultant Redundant  
Maximum Value: 28.7 at 95.5 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: RES-016

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



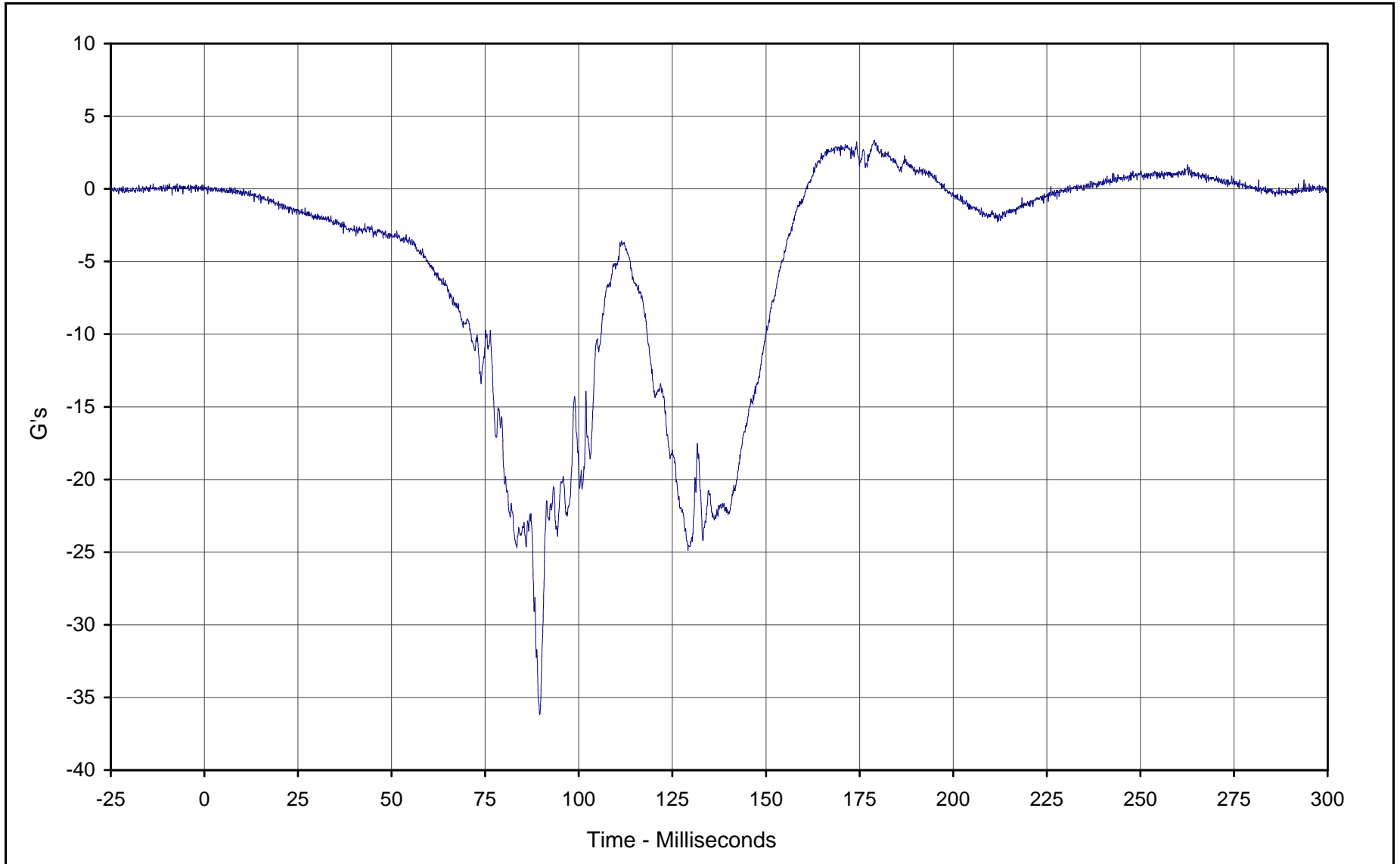
KARR20002-02



Curve Description: Driver Chest Displacement X  
Maximum Value: 0.1 at 43.7 Milliseconds  
Minimum Value: -21.3 at 102.6 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-019

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

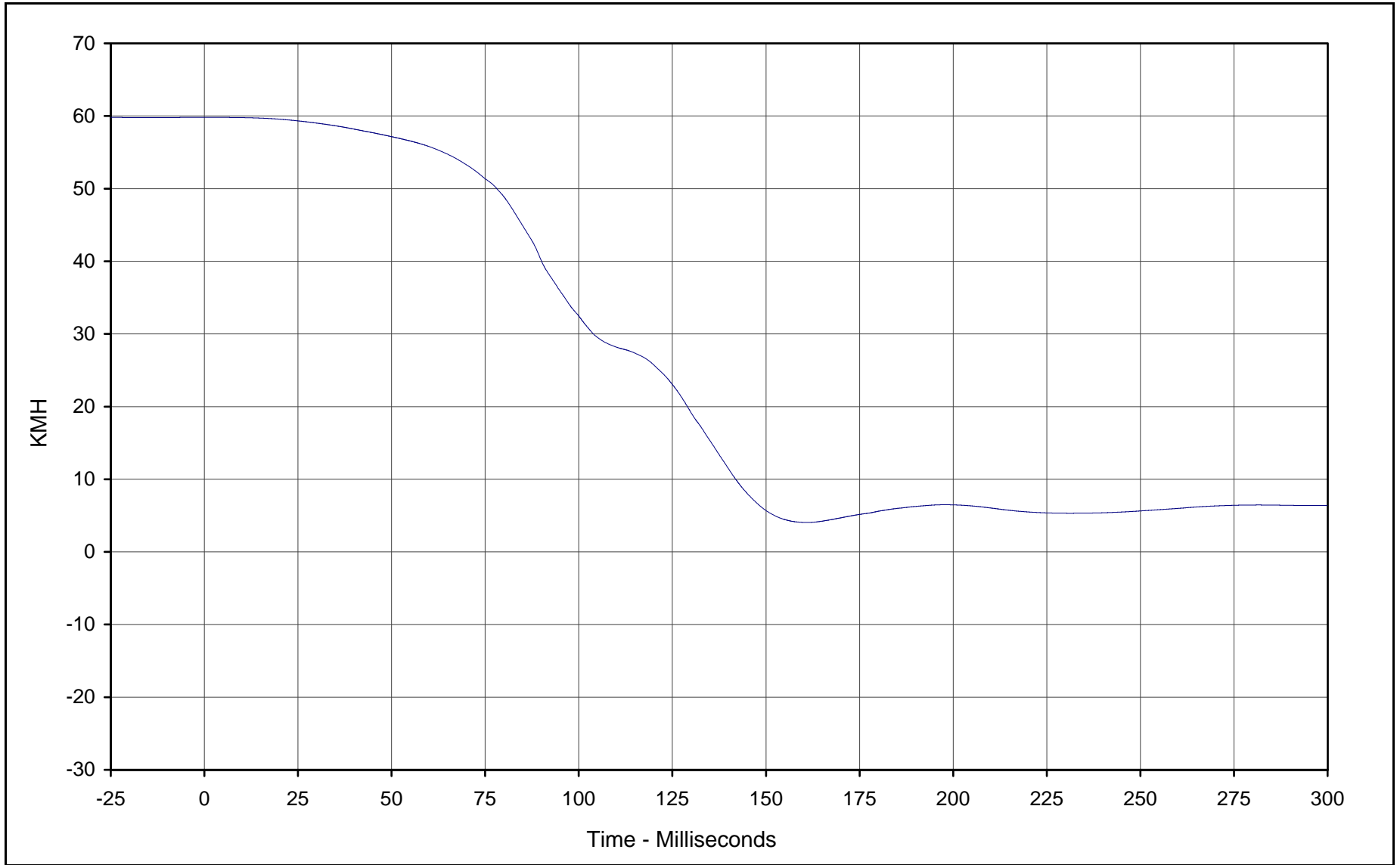




Curve Description: Driver Pelvis X  
 Maximum Value: 3.3 at 178.8 Milliseconds  
 Minimum Value: -36.2 at 89.6 Milliseconds  
 SAE Filter Class: 1000  
 Date of Test: 08/15/00  
 Curve Number: FIL-020

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



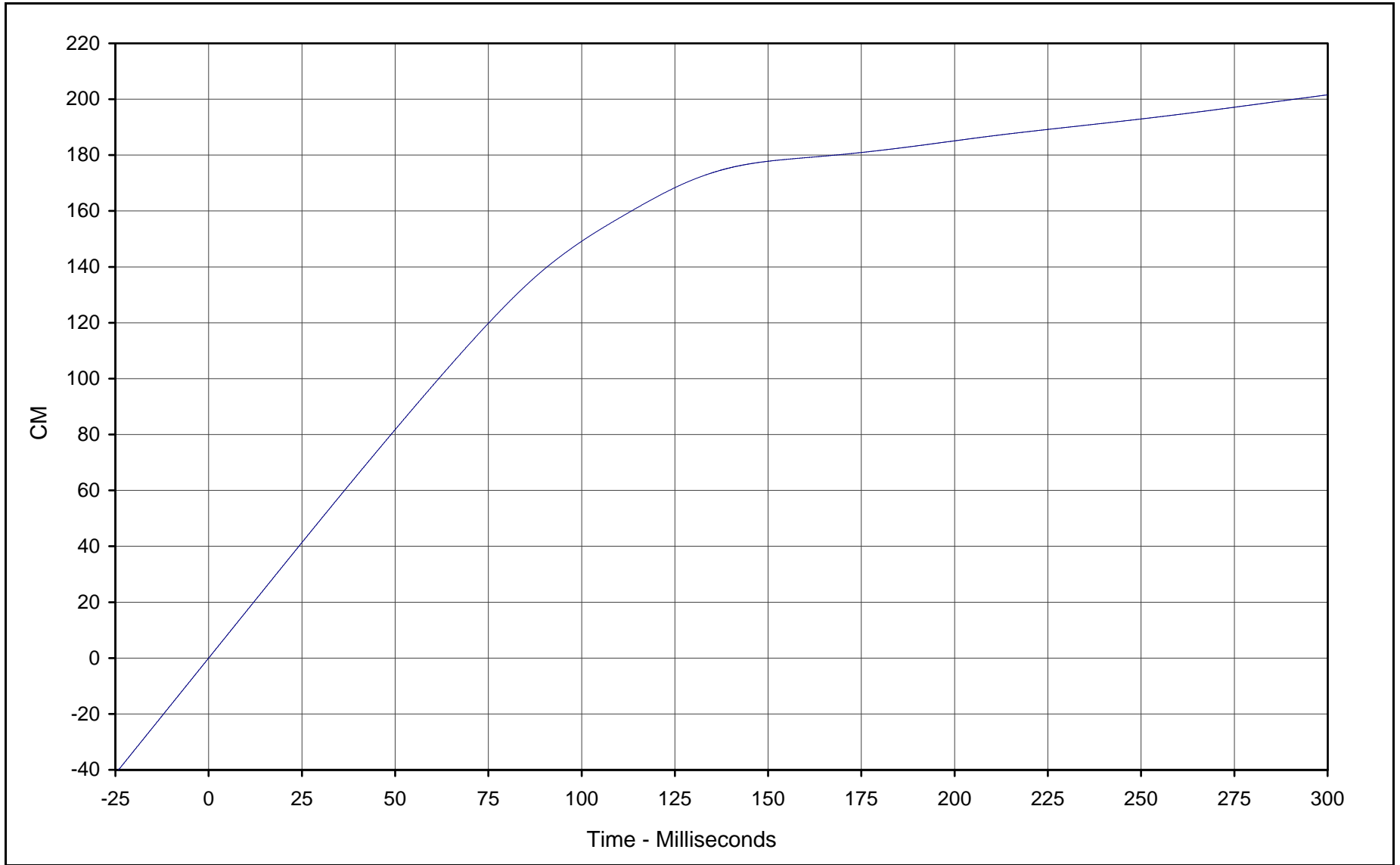


Curve Description: Driver Pelvis X Velocity  
Maximum Value: 59.8 at 0.7 Milliseconds  
Minimum Value: 4.0 at 160.8 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-020

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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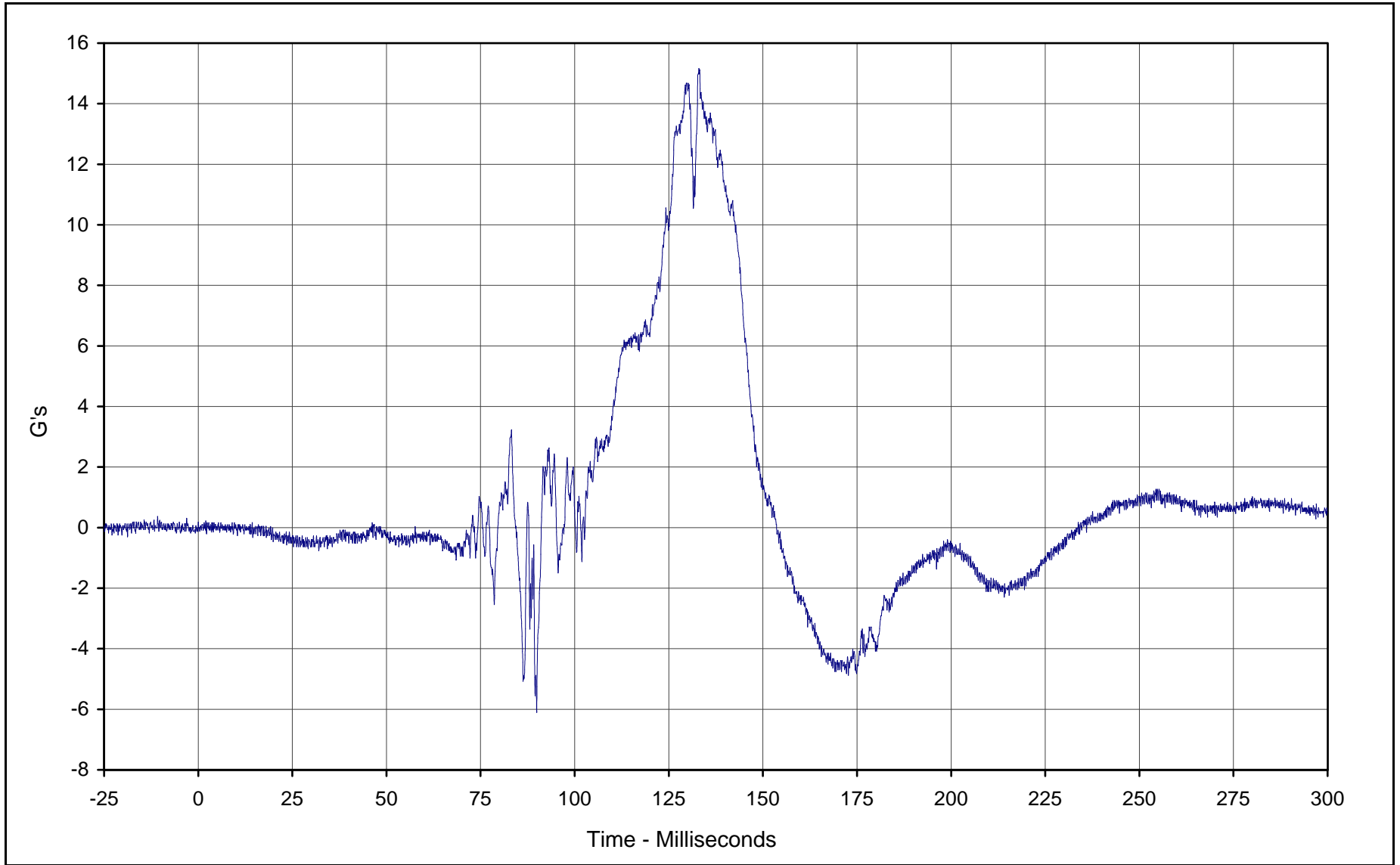


Curve Description: Driver Pelvis X Displ.  
Maximum Value: 201.6 at 299.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-020

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



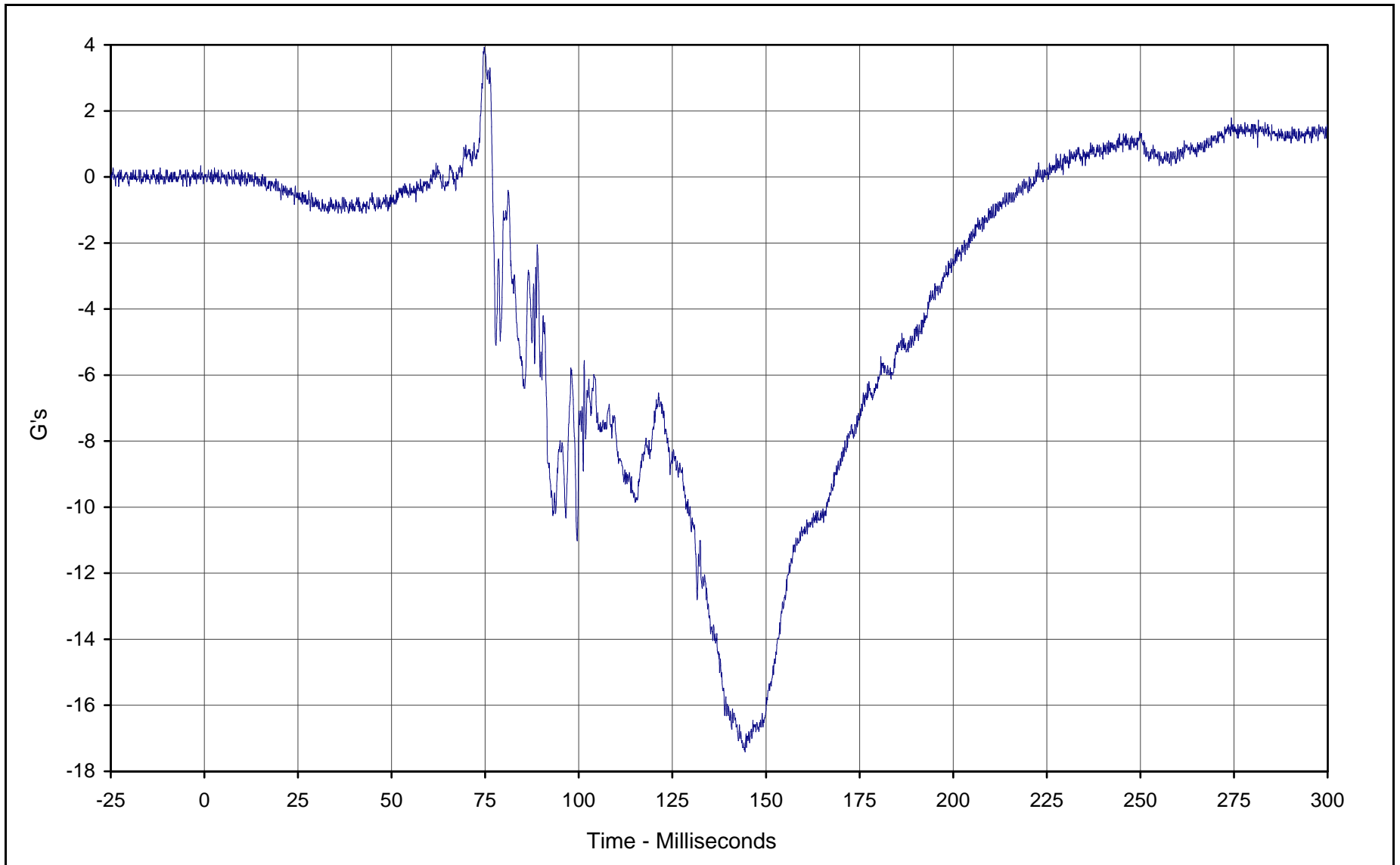
KARR20002-02



Curve Description: Driver Pelvis Y  
 Maximum Value: 15.2 at 133.0 Milliseconds  
 Minimum Value: -6.1 at 89.9 Milliseconds  
 SAE Filter Class: 1000  
 Date of Test: 08/15/00  
 Curve Number: FIL-021

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

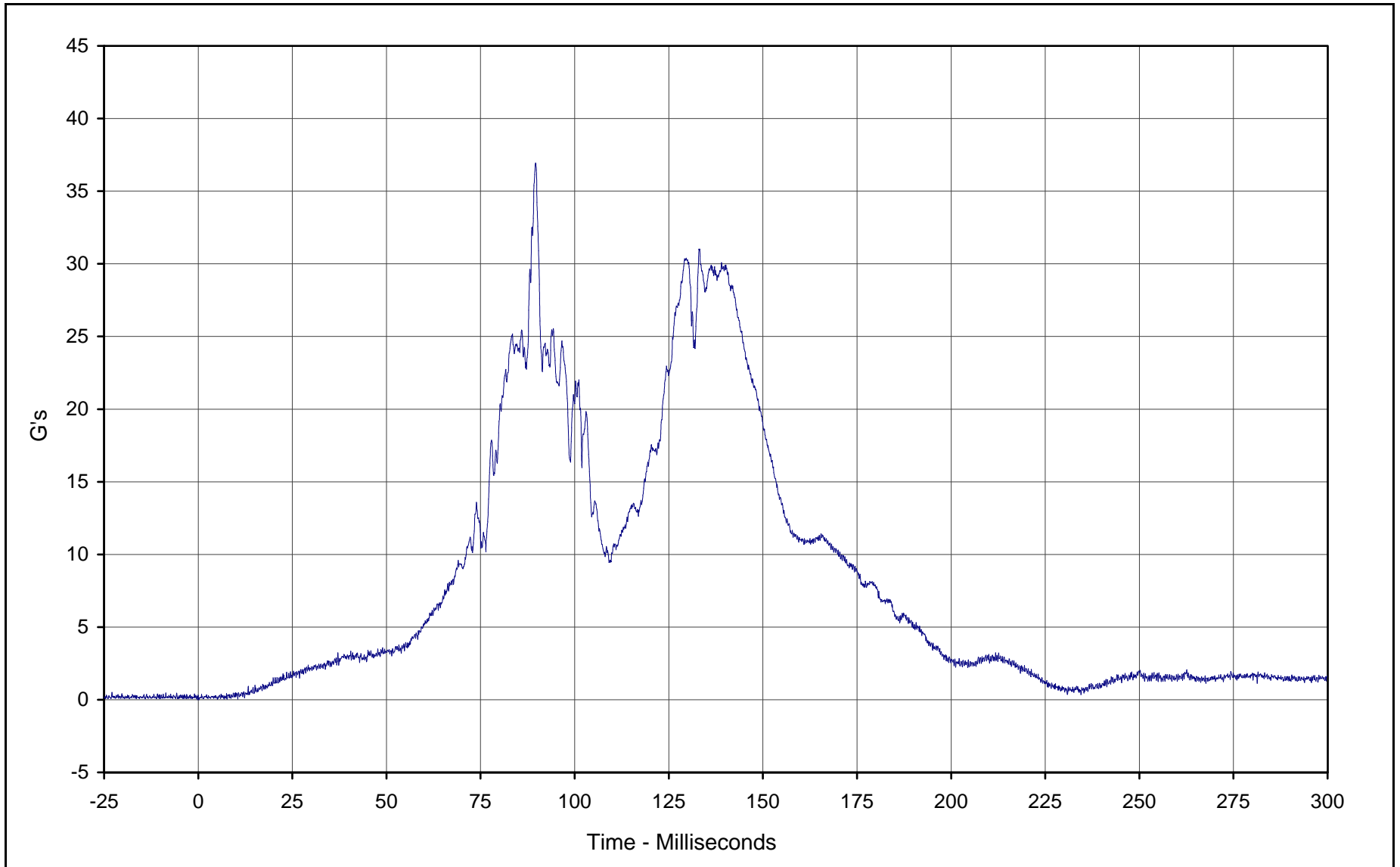




Curve Description: Driver Pelvis Z  
 Maximum Value: 3.9 at 74.7 Milliseconds  
 Minimum Value: -17.4 at 144.4 Milliseconds  
 SAE Filter Class: 1000  
 Date of Test: 08/15/00  
 Curve Number: FIL-022

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



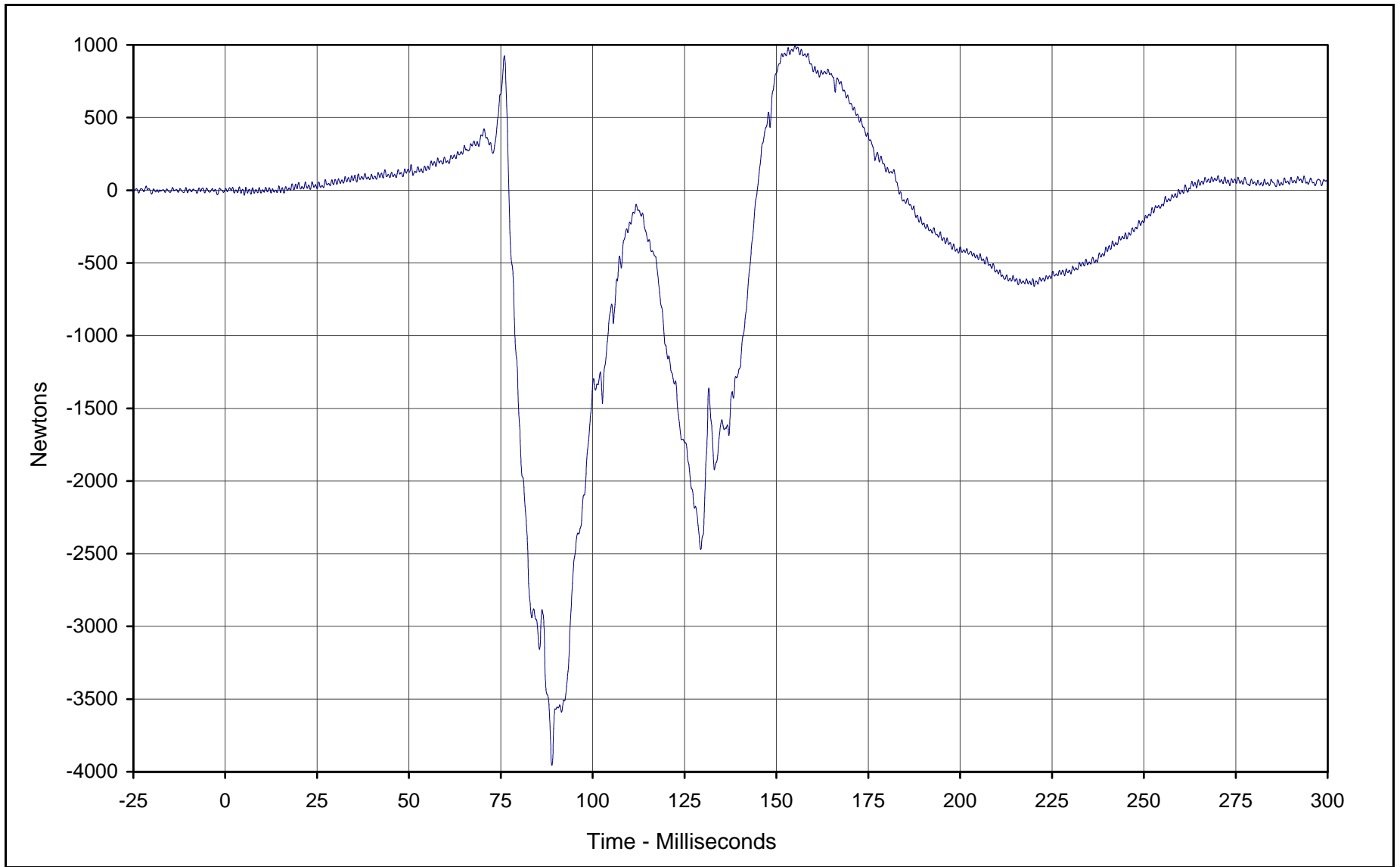


Curve Description: Driver Pelvis Resultant  
 Maximum Value: 36.9 at 89.6 Milliseconds  
 Minimum Value: 0.0 at 0.2 Milliseconds  
 SAE Filter Class: 1000  
 Date of Test: 08/15/00  
 Curve Number: RES-020

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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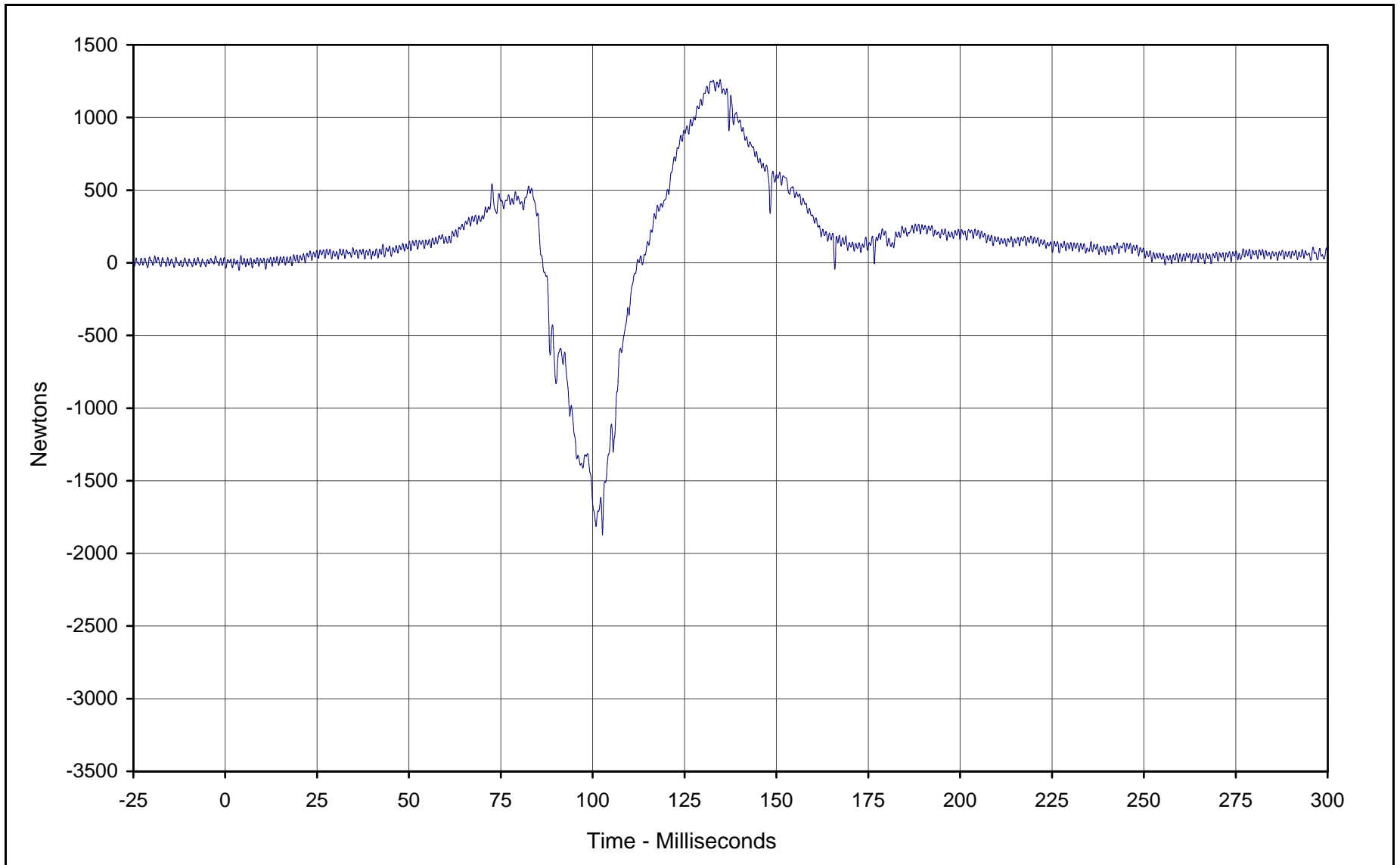
Curve Description: Driver Left Femur Force  
Maximum Value: 999.3 at 155.0 Milliseconds  
Minimum Value: -3956.3 at 88.9 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-023

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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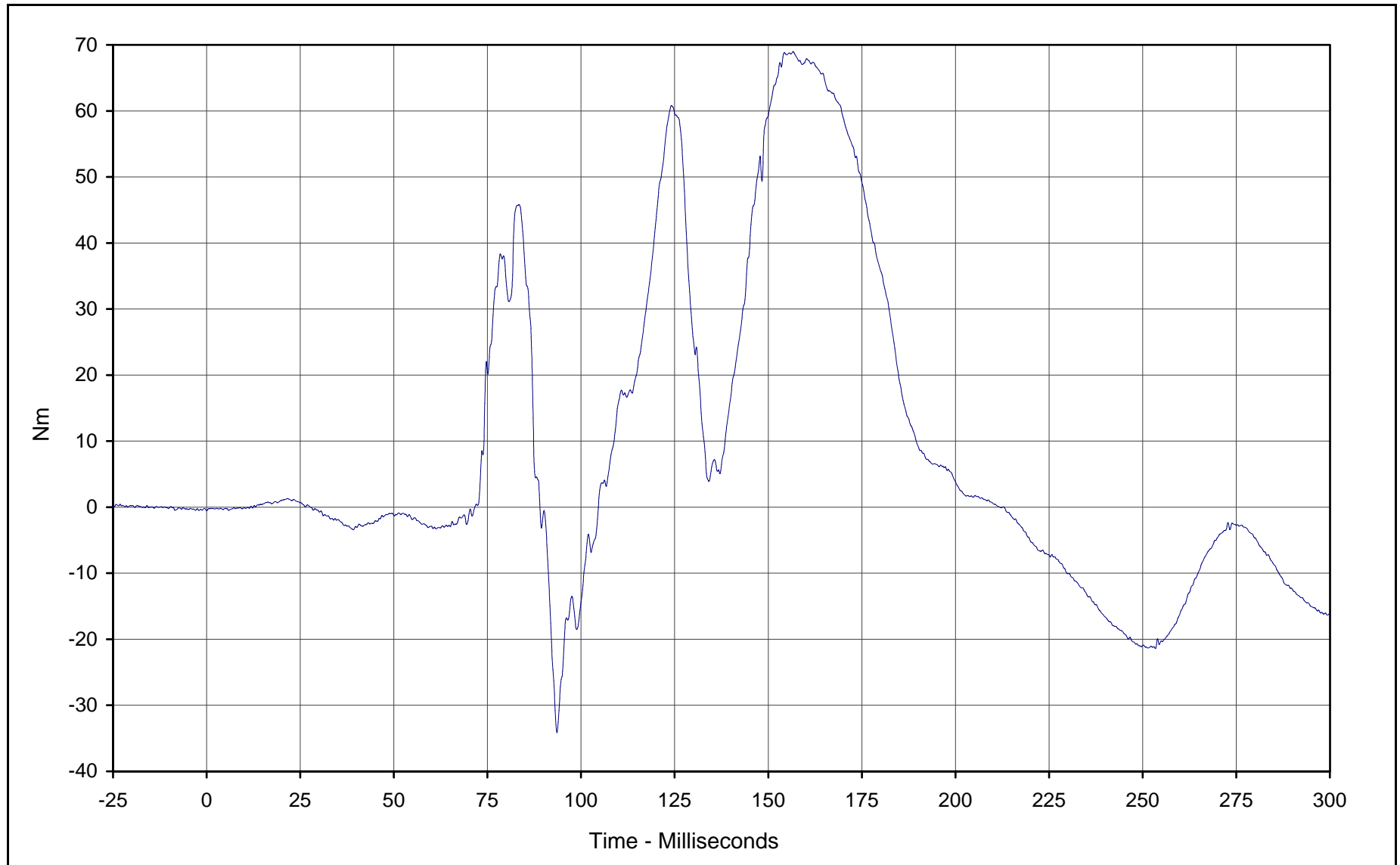


Curve Description: Driver Right Femur Force  
Maximum Value: 1261.8 at 134.7 Milliseconds  
Minimum Value: -1873.7 at 102.7 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-024

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



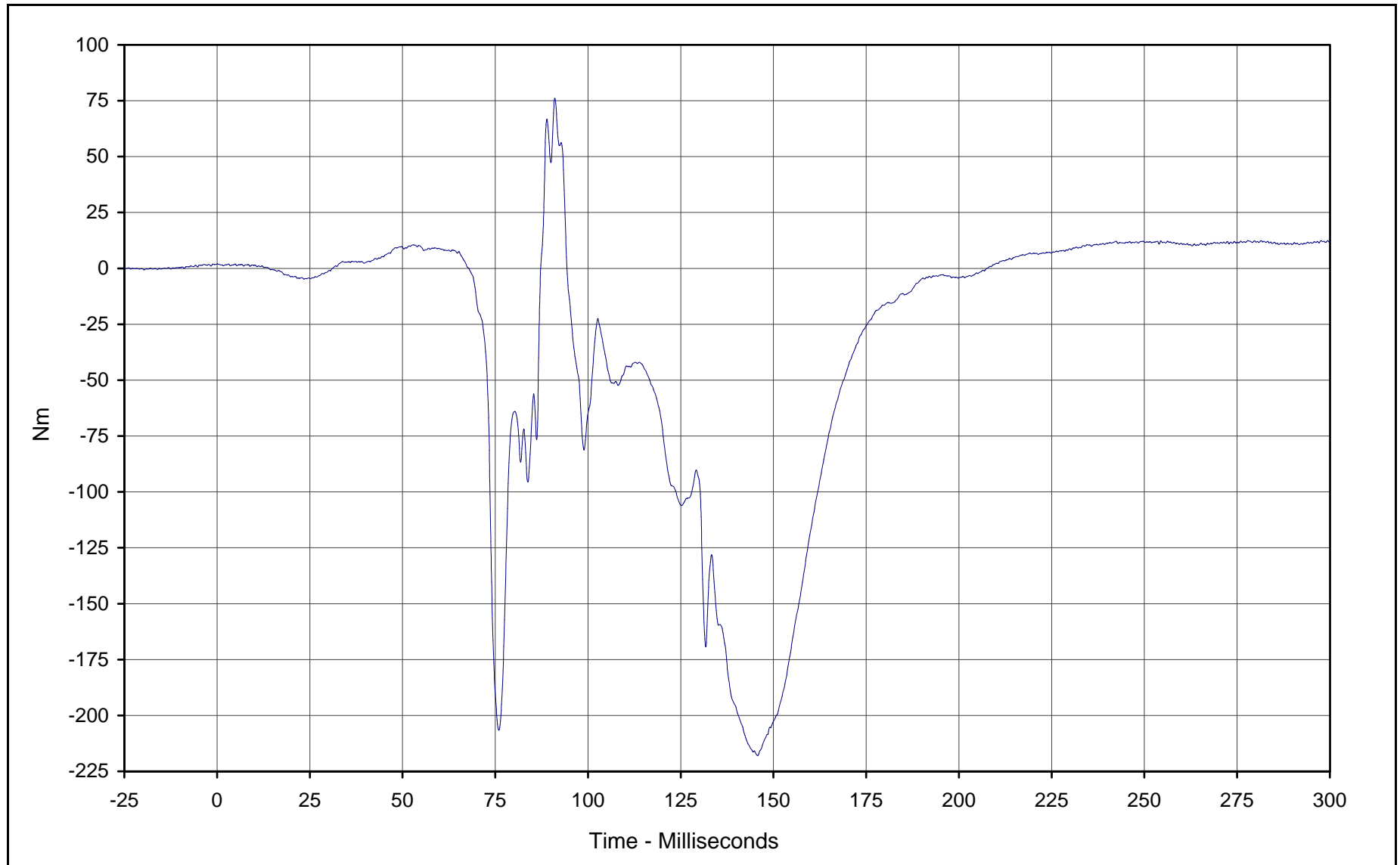
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Curve Description: Driver Left Upper Tibia Moment X  
Maximum Value: 69.0 at 156.6 Milliseconds  
Minimum Value: -34.1 at 93.6 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-025

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

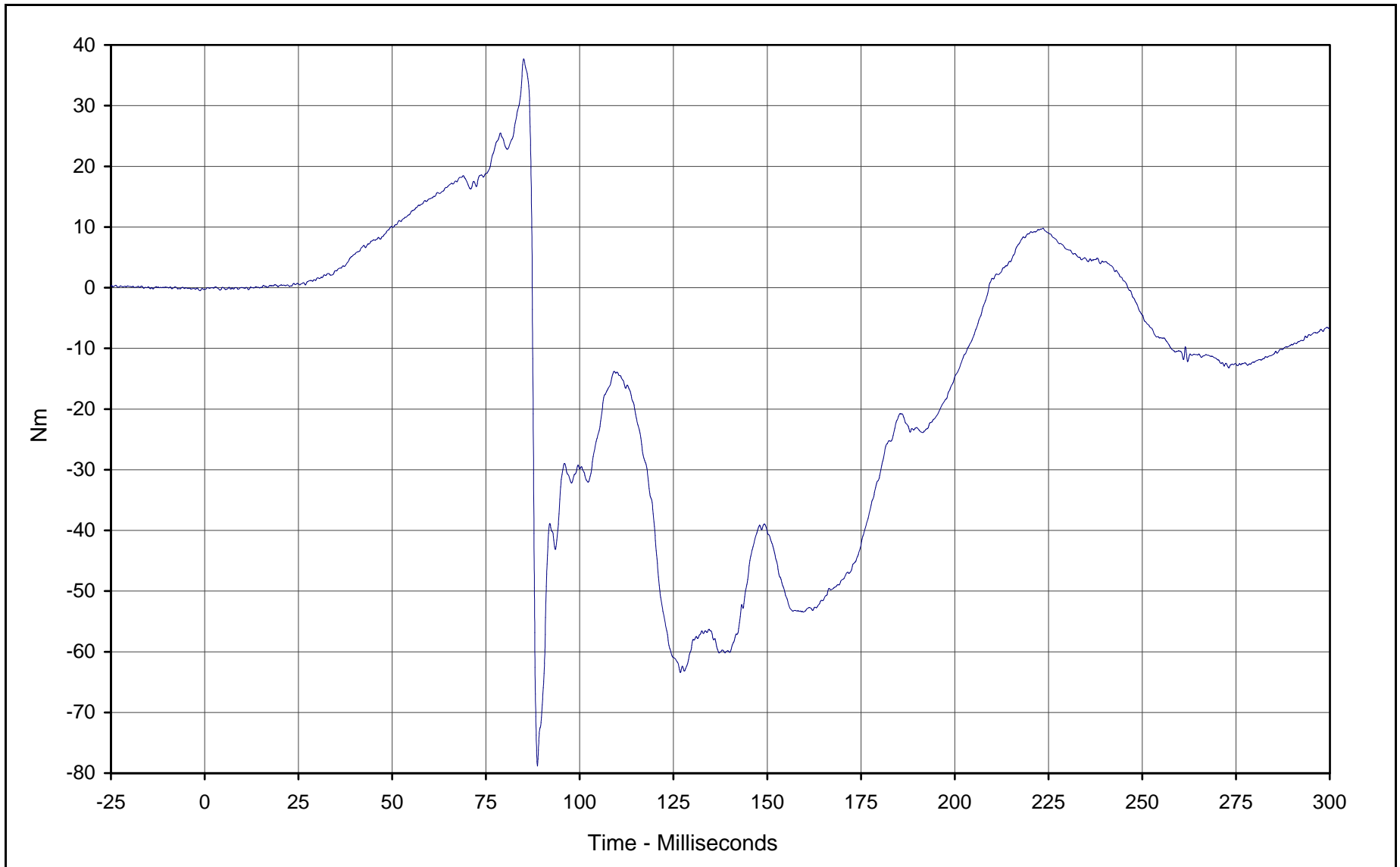




Curve Description: Driver Left Upper Tibia Moment Y  
Maximum Value: 76.1 at 91.1 Milliseconds  
Minimum Value: -218.0 at 145.7 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-026

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



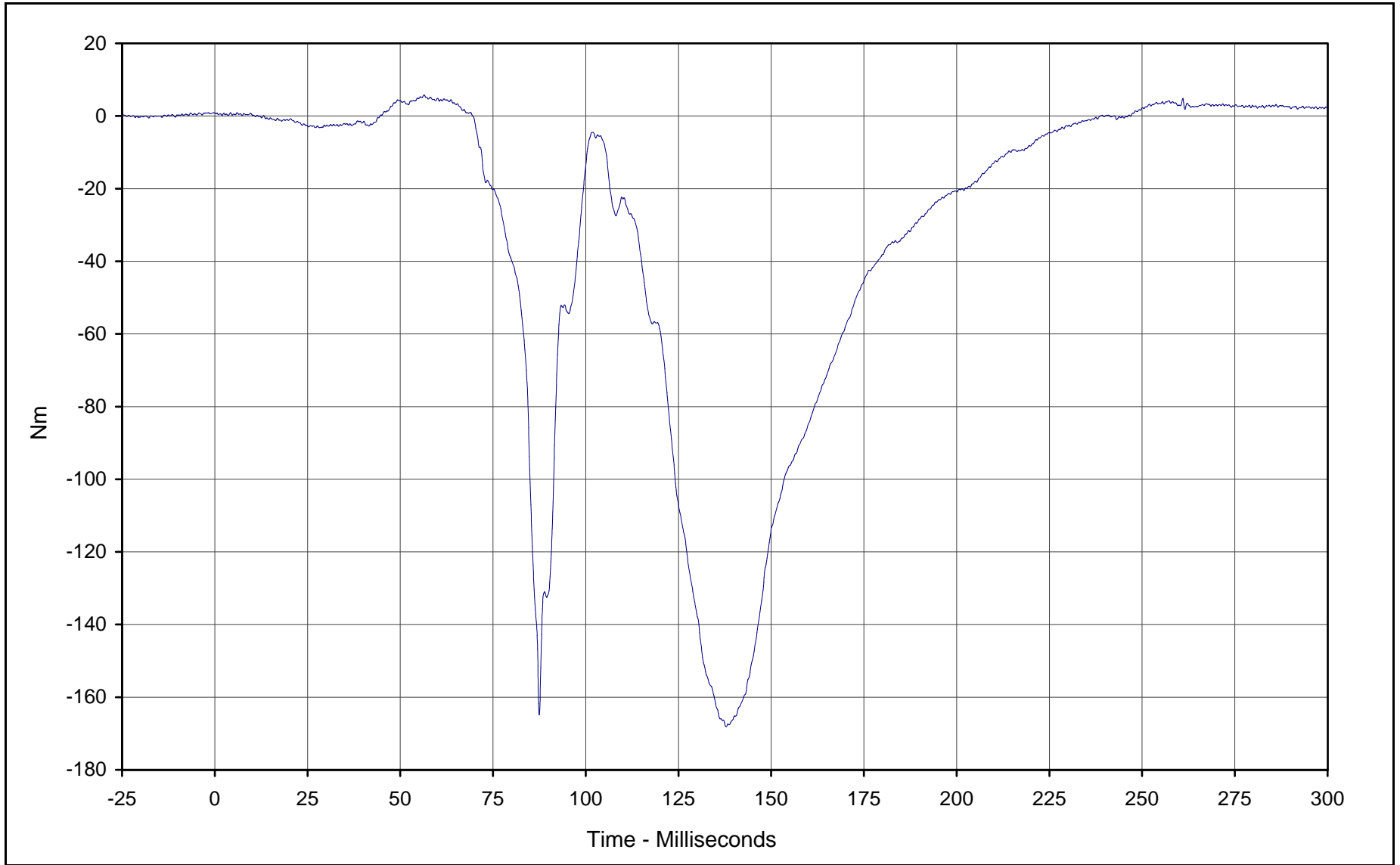


Curve Description: Driver Right Upper Tibia Moment X  
 Maximum Value: 37.7 at 85.1 Milliseconds  
 Minimum Value: -78.8 at 88.7 Milliseconds  
 SAE Filter Class: 600  
 Date of Test: 08/15/00  
 Curve Number: FIL-027

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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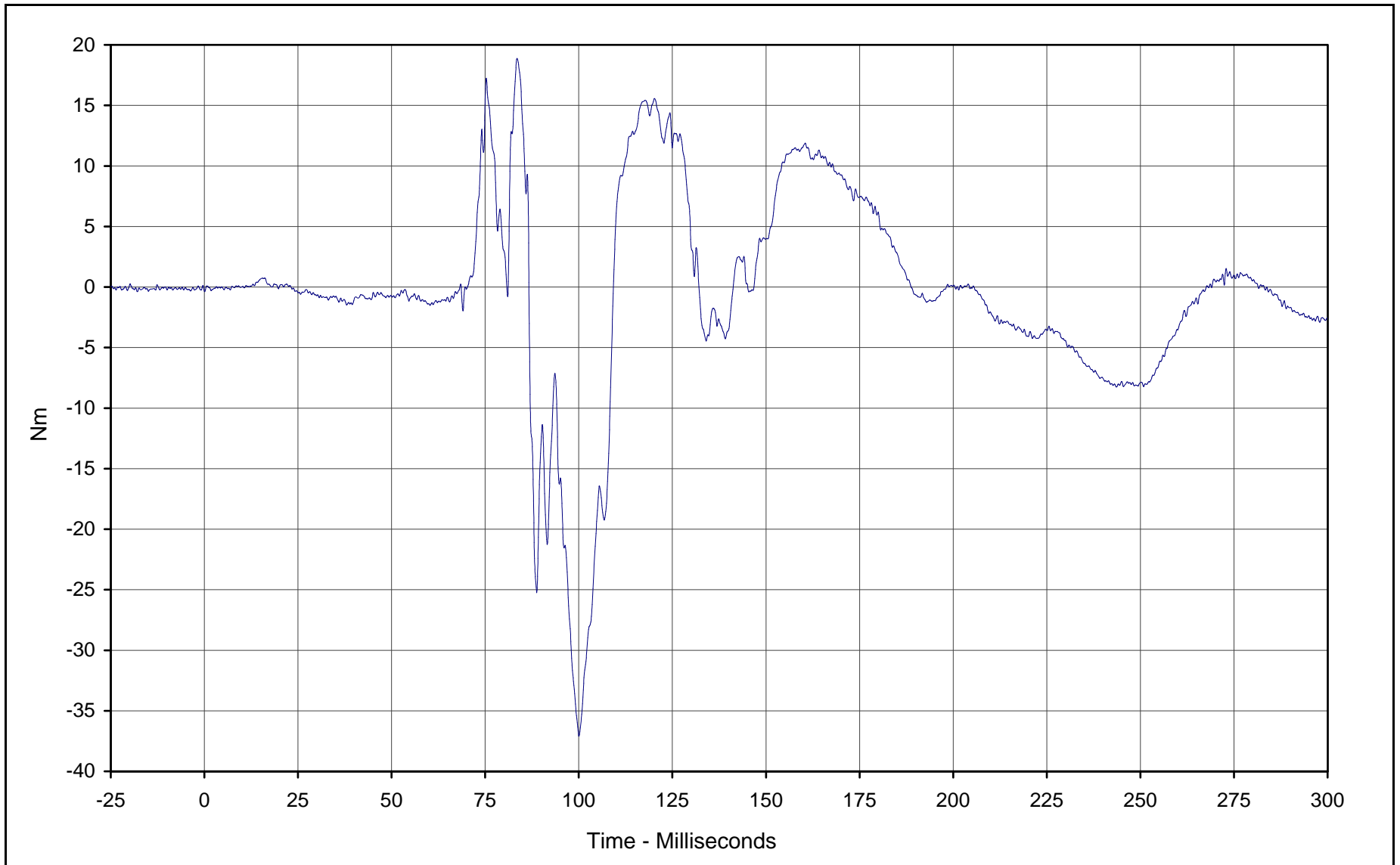
Curve Description: Driver Right Upper Tibia Moment Y  
Maximum Value: 5.8 at 56.4 Milliseconds  
Minimum Value: -168.1 at 137.8 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-028

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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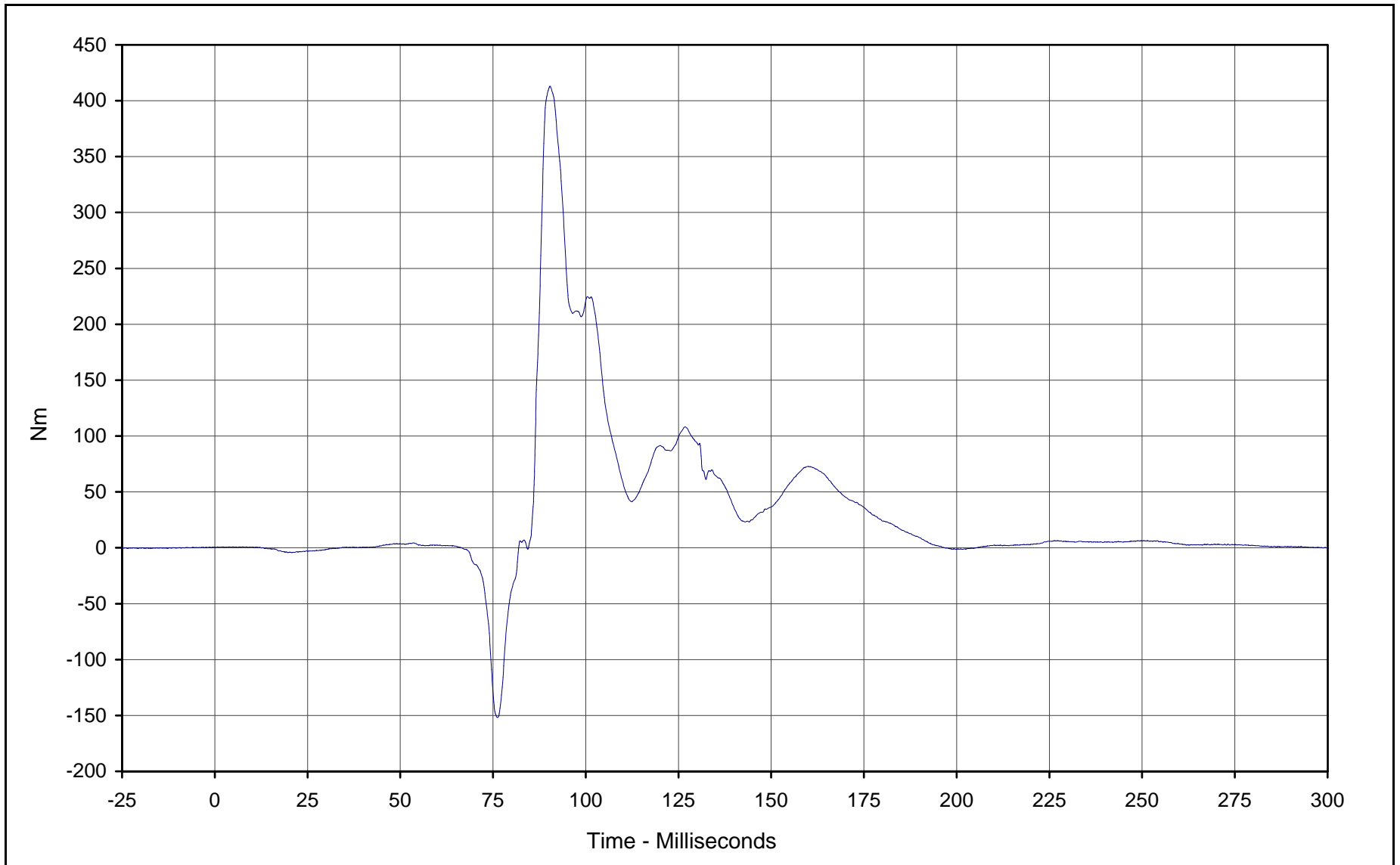
Curve Description: Driver Left Lower Tibia Moment X  
Maximum Value: 18.9 at 83.5 Milliseconds  
Minimum Value: -37.1 at 100.1 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-029

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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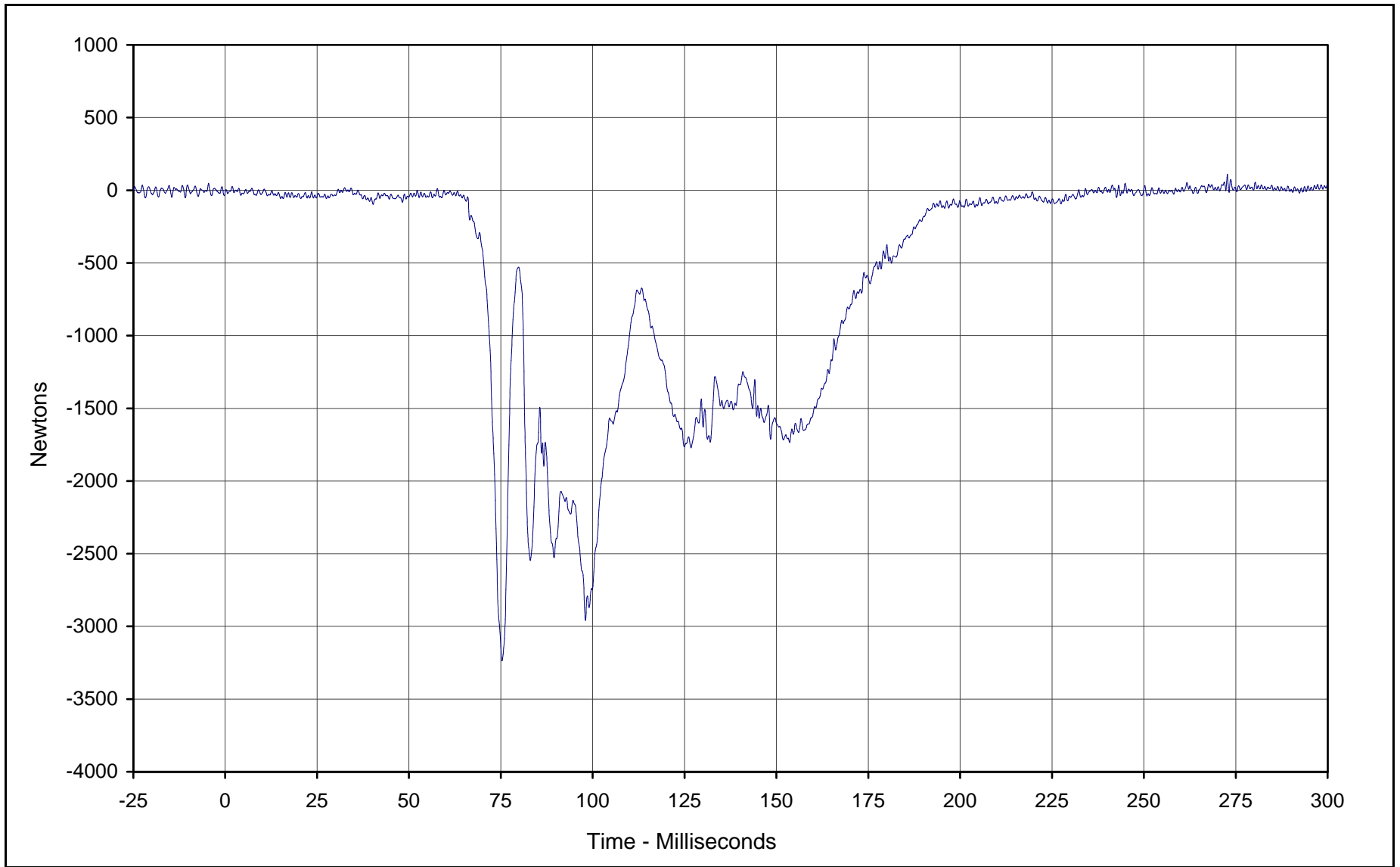
Curve Description: Driver Left Lower Tibia Moment Y  
Maximum Value: 413.0 at 90.4 Milliseconds  
Minimum Value: -151.9 at 76.2 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-030

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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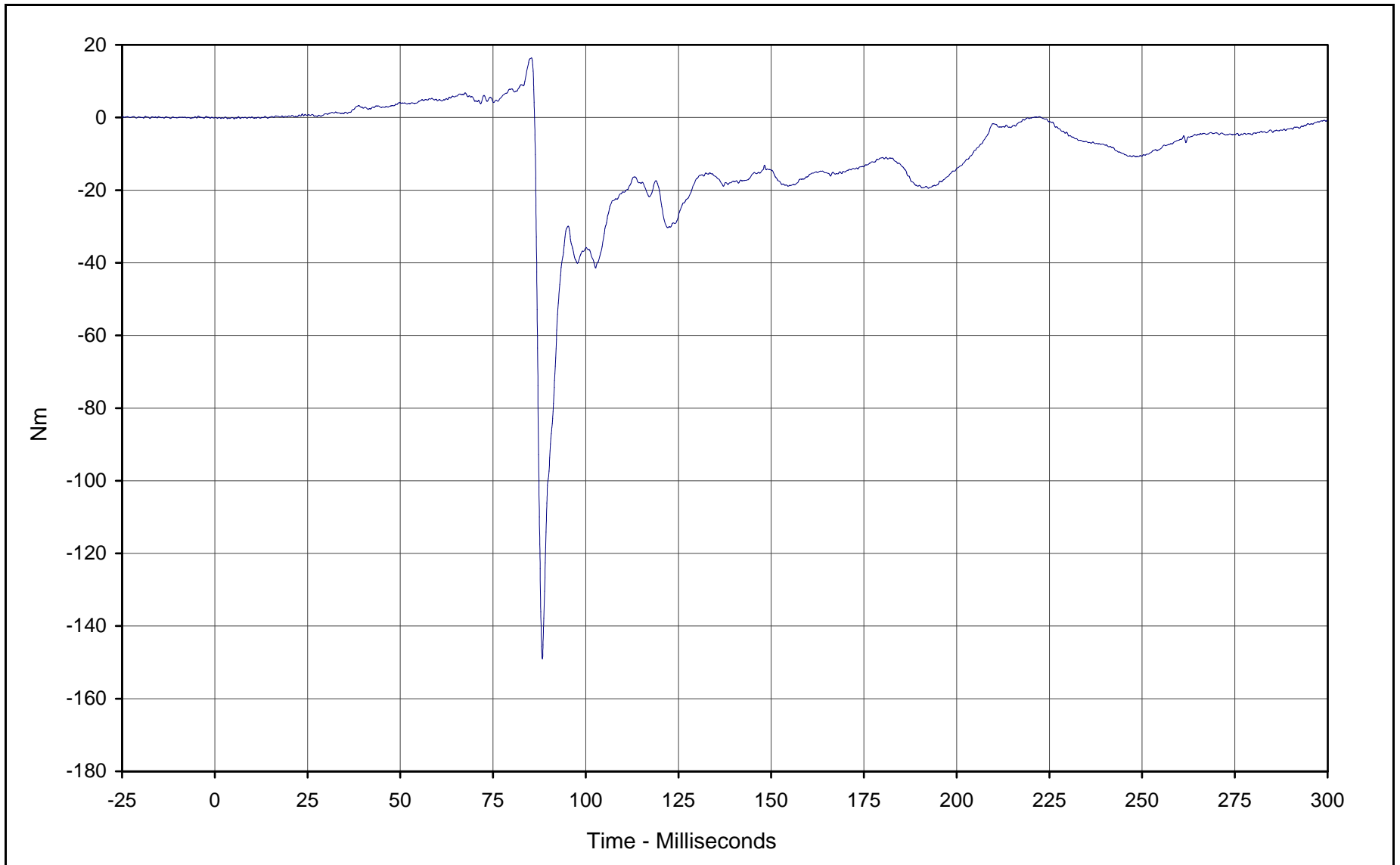
Curve Description: Driver Left Lower Tibia Force Z  
Maximum Value: 111.0 at 272.7 Milliseconds  
Minimum Value: -3235.7 at 75.4 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-031

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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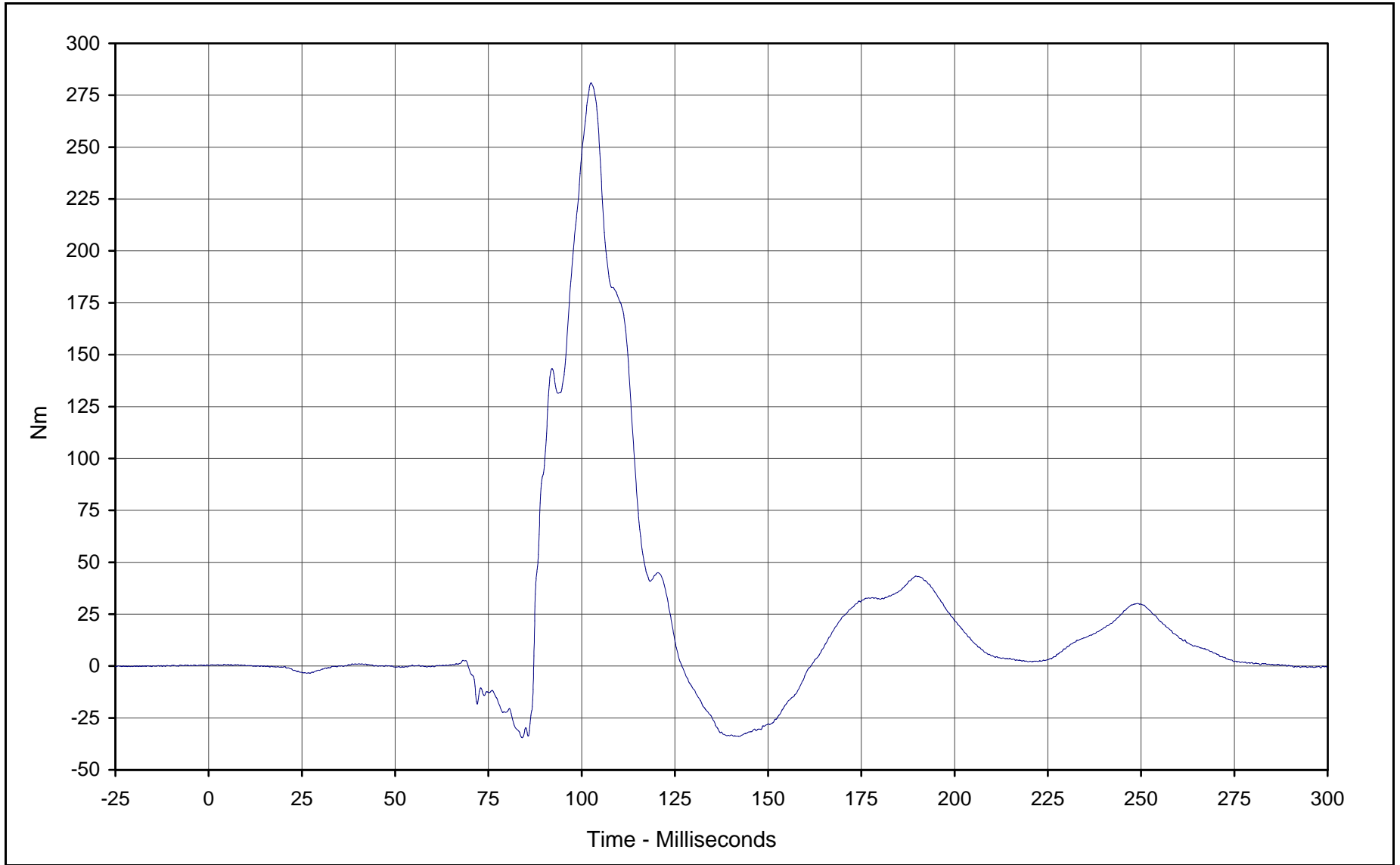
Curve Description: Driver Right Lower Tibia Moment X  
Maximum Value: 16.4 at 85.4 Milliseconds  
Minimum Value: -149.1 at 88.3 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-032

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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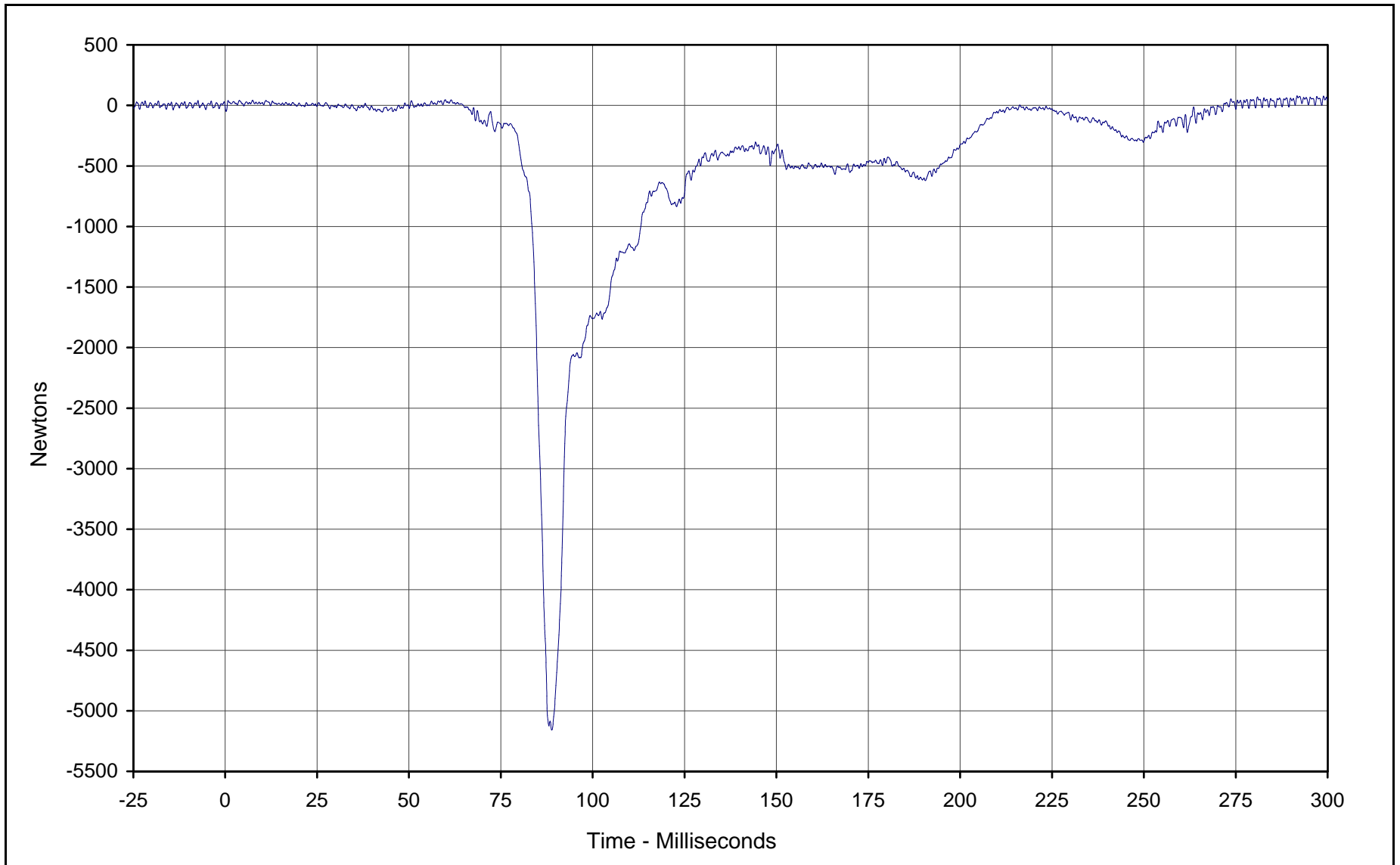
Curve Description: Driver Right Lower Tibia Moment Y  
Maximum Value: 280.9 at 102.5 Milliseconds  
Minimum Value: -34.5 at 84.0 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-033

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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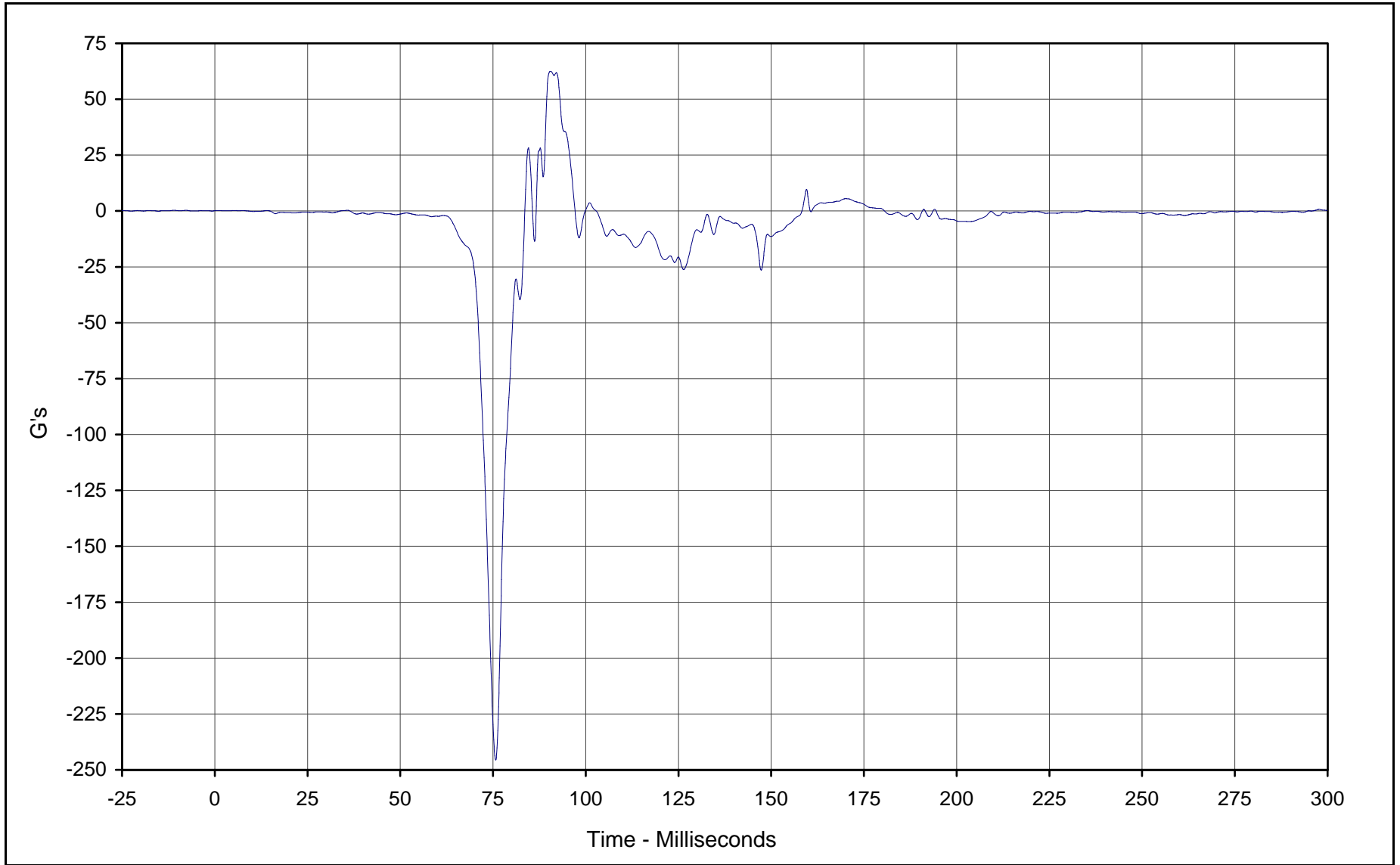


Curve Description: Driver Right Lower Tibia Force Z  
Maximum Value: 79.3 at 291.7 Milliseconds  
Minimum Value: -5158.7 at 88.9 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-034

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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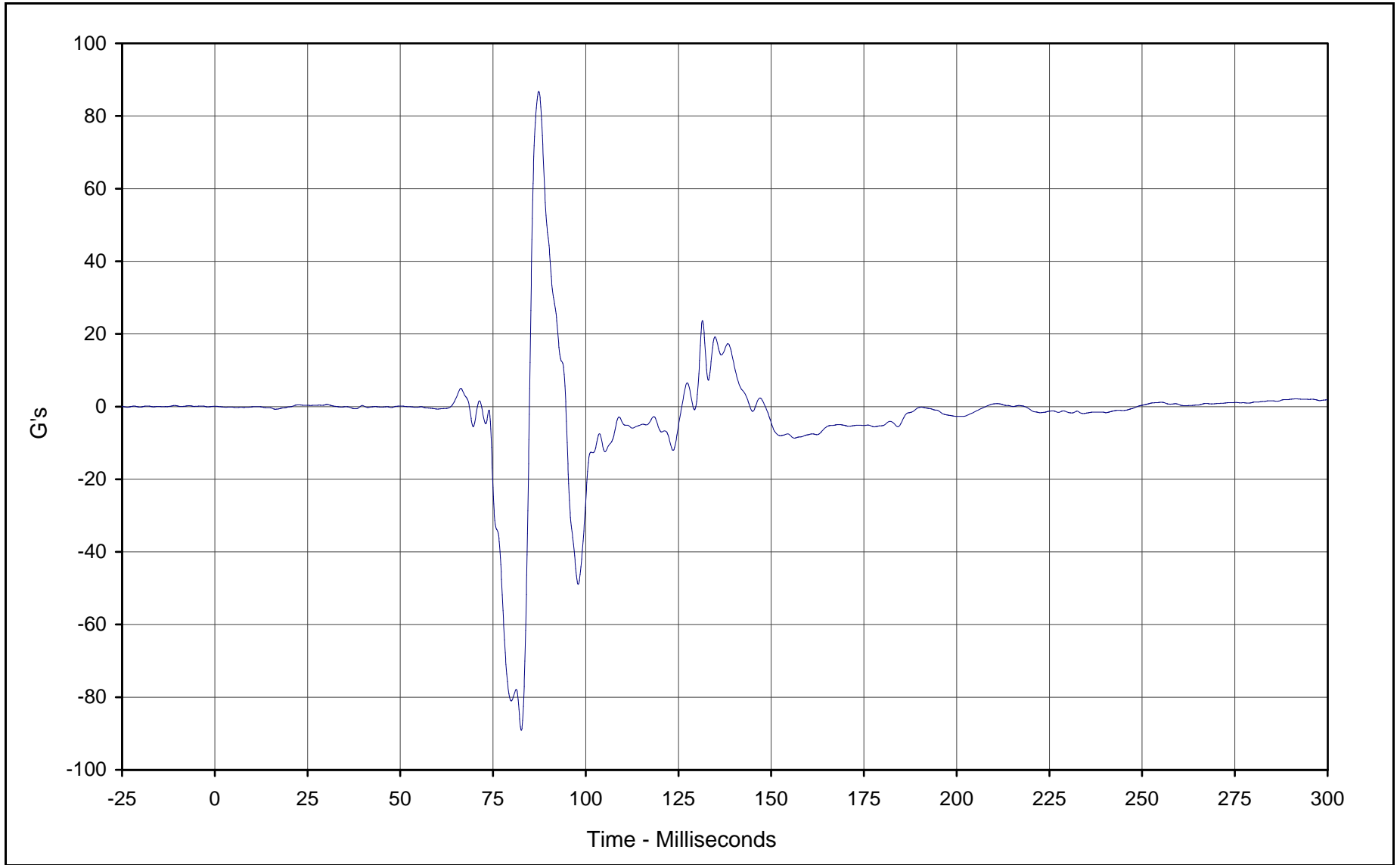


Curve Description: Driver Left Foot Aft X  
 Maximum Value: 62.4 at 90.5 Milliseconds  
 Minimum Value: -245.6 at 75.7 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-035

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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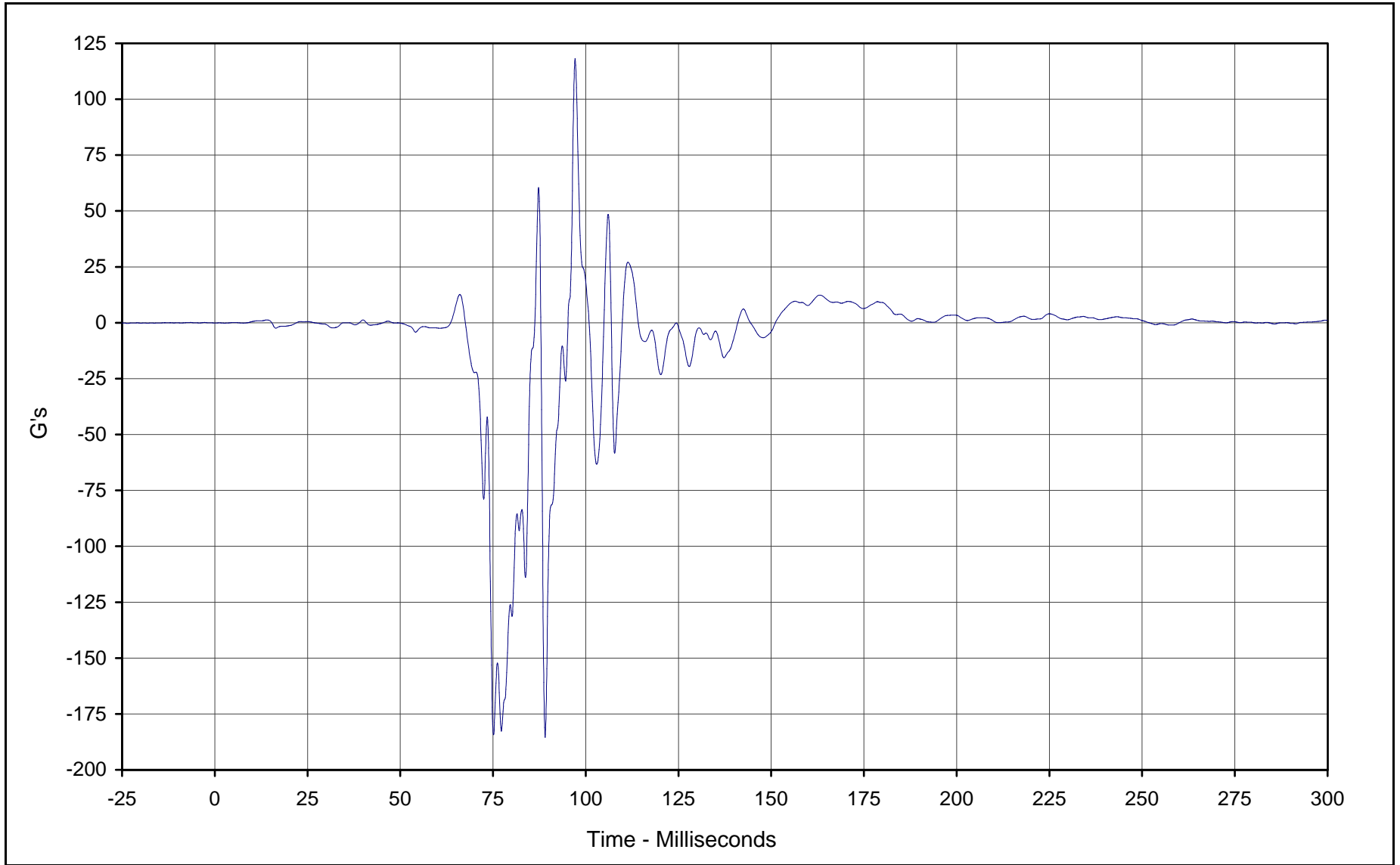
Curve Description: Driver Left Foot Aft Z  
Maximum Value: 86.7 at 87.3 Milliseconds  
Minimum Value: -89.1 at 82.6 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-036

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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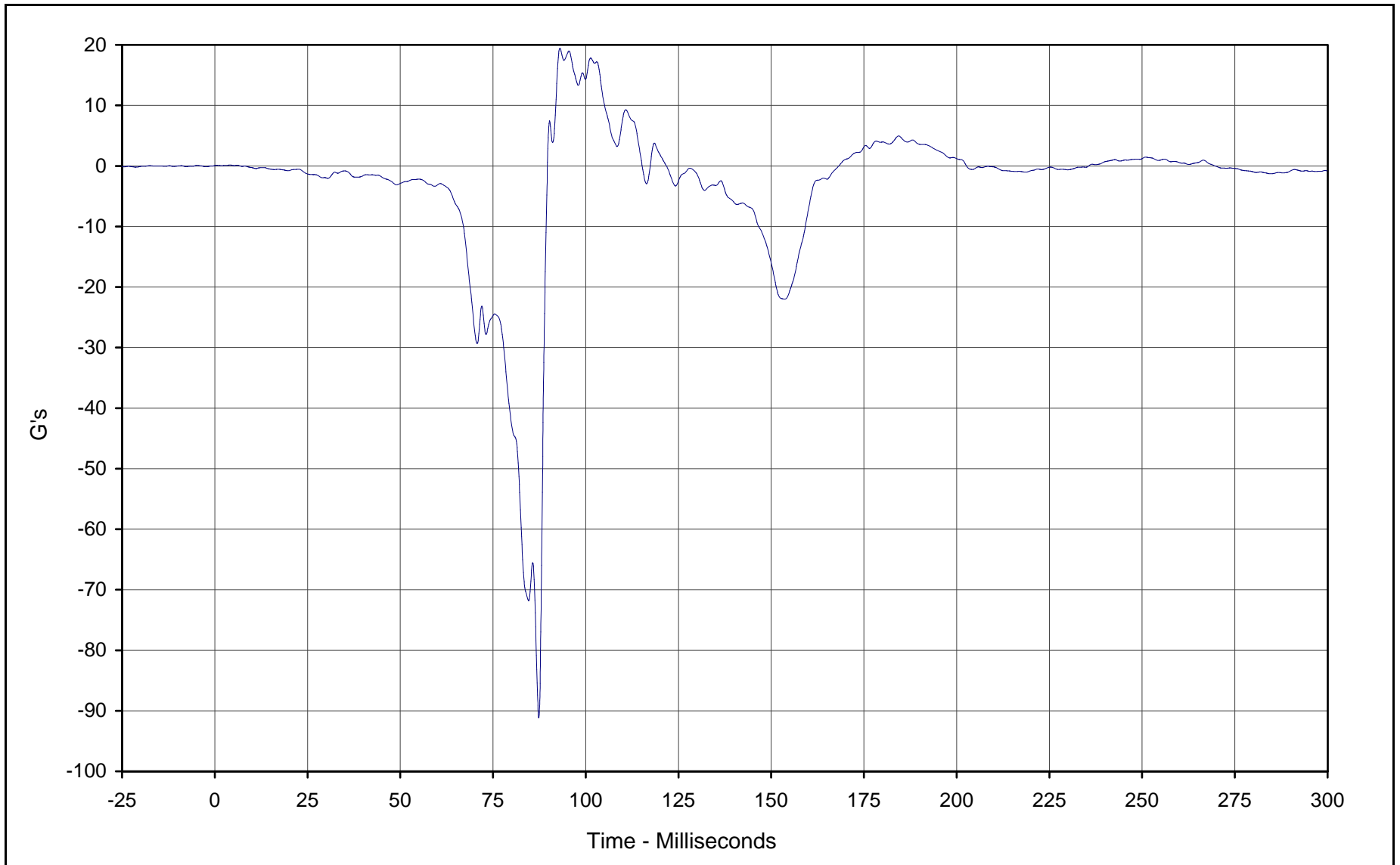


Curve Description: Driver Left Foot Fore Z  
 Maximum Value: 118.2 at 97.1 Milliseconds  
 Minimum Value: -185.4 at 89.1 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-037

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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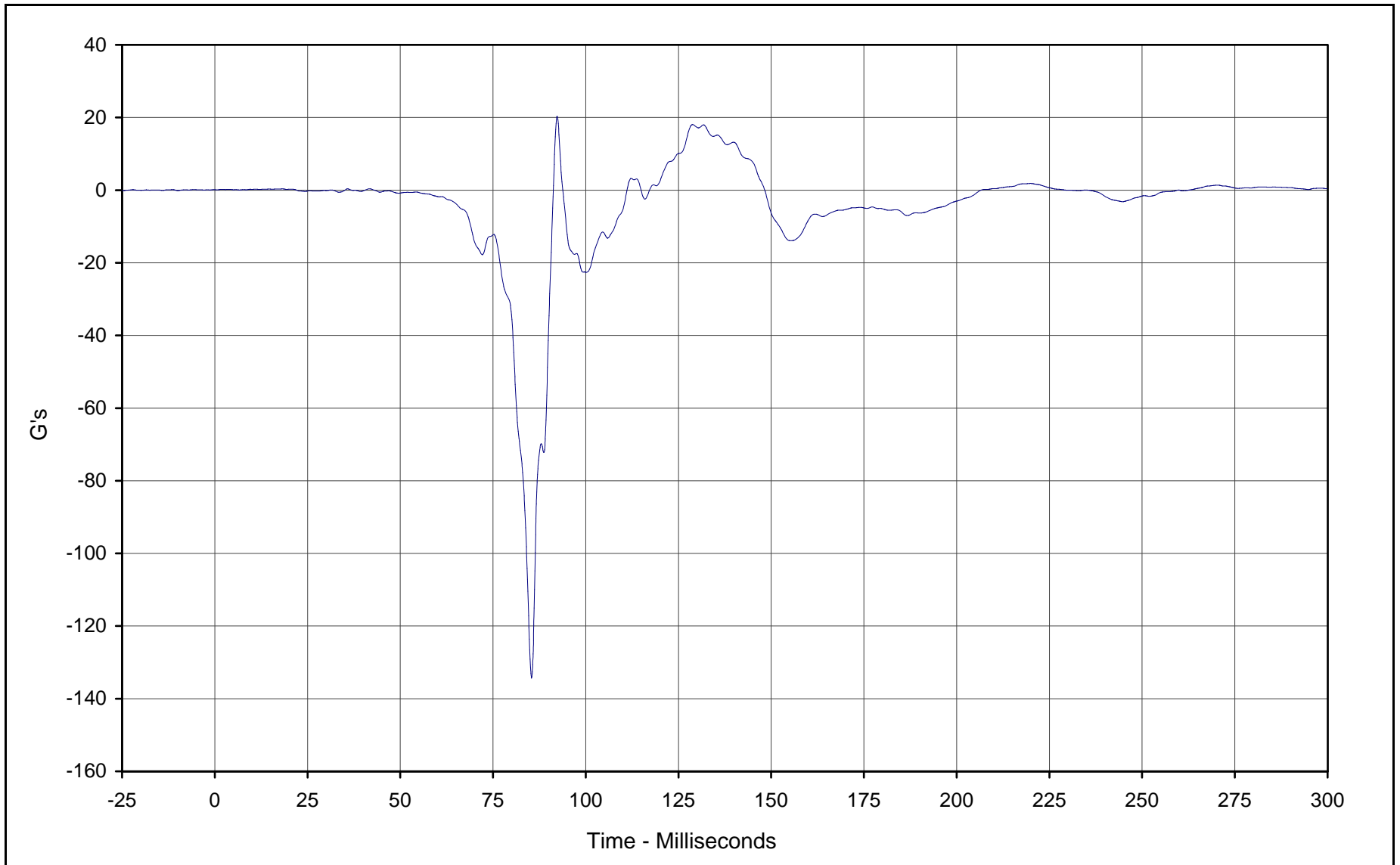
Curve Description: Driver Right Foot Aft X  
Maximum Value: 19.4 at 93.0 Milliseconds  
Minimum Value: -91.1 at 87.3 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-038

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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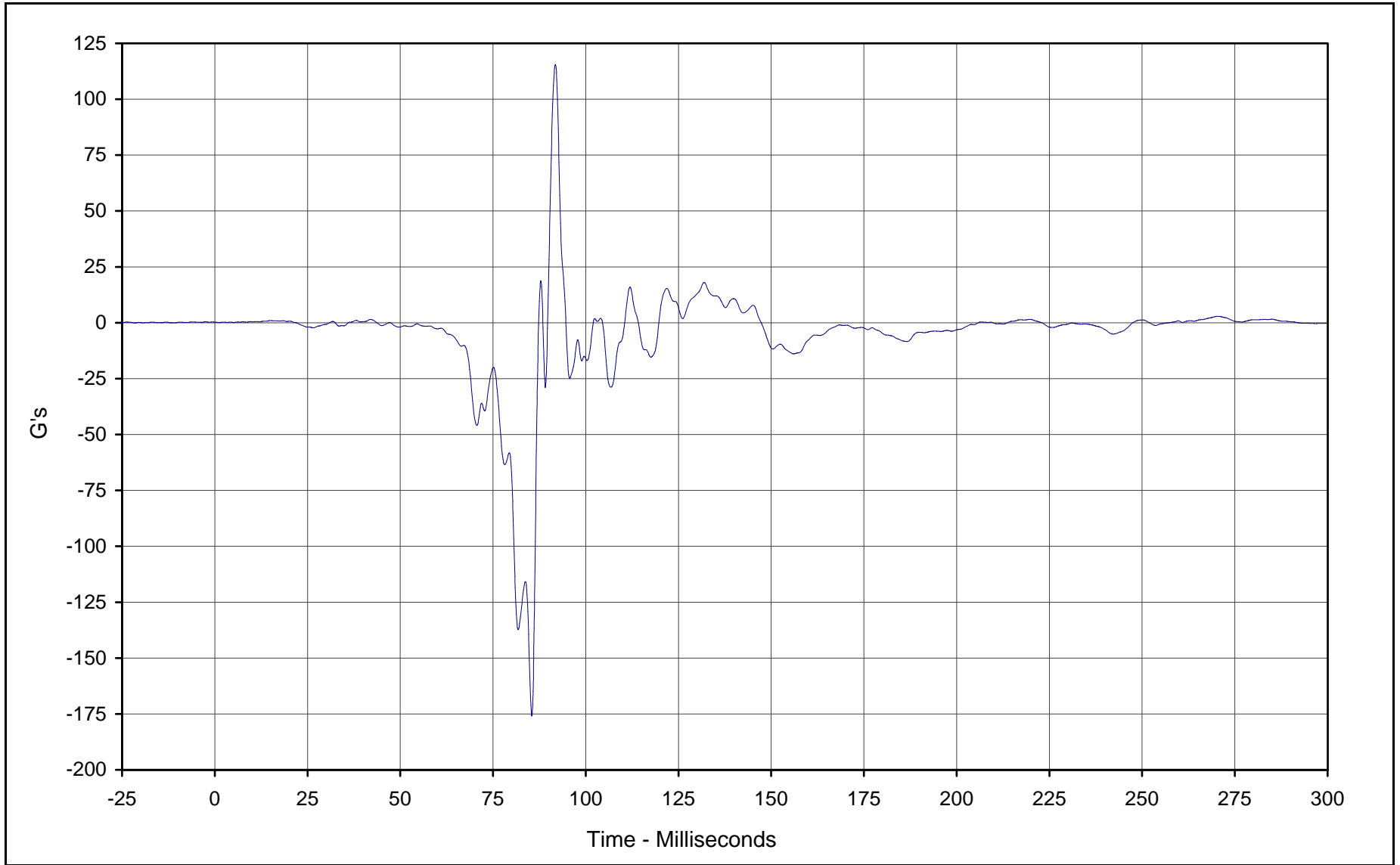
Curve Description: Driver Right Foot Aft Z  
Maximum Value: 20.4 at 92.3 Milliseconds  
Minimum Value: -134.3 at 85.4 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-039

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Driver Right Foot Fore Z  
Maximum Value: 115.5 at 91.8 Milliseconds  
Minimum Value: -175.9 at 85.5 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-040

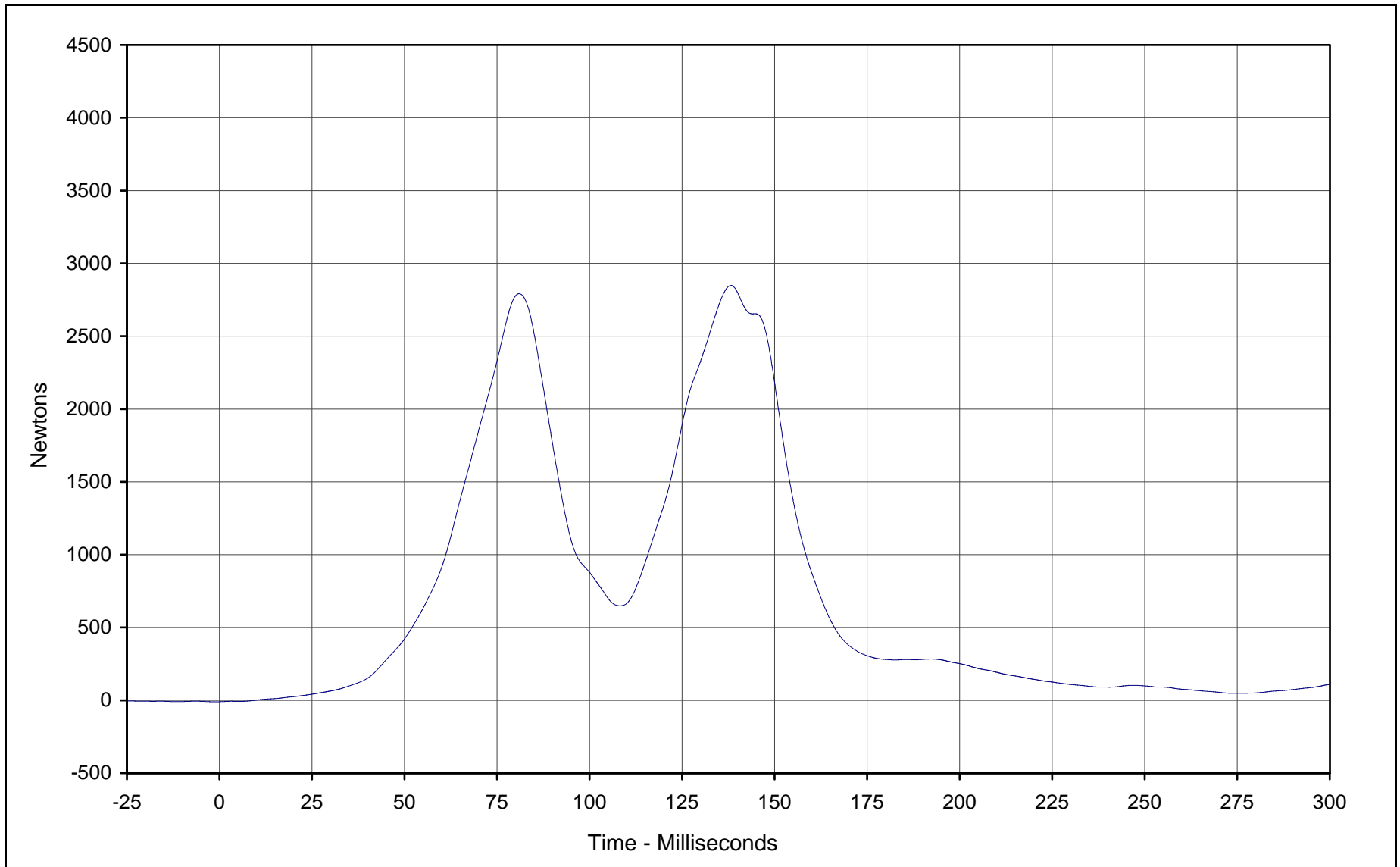
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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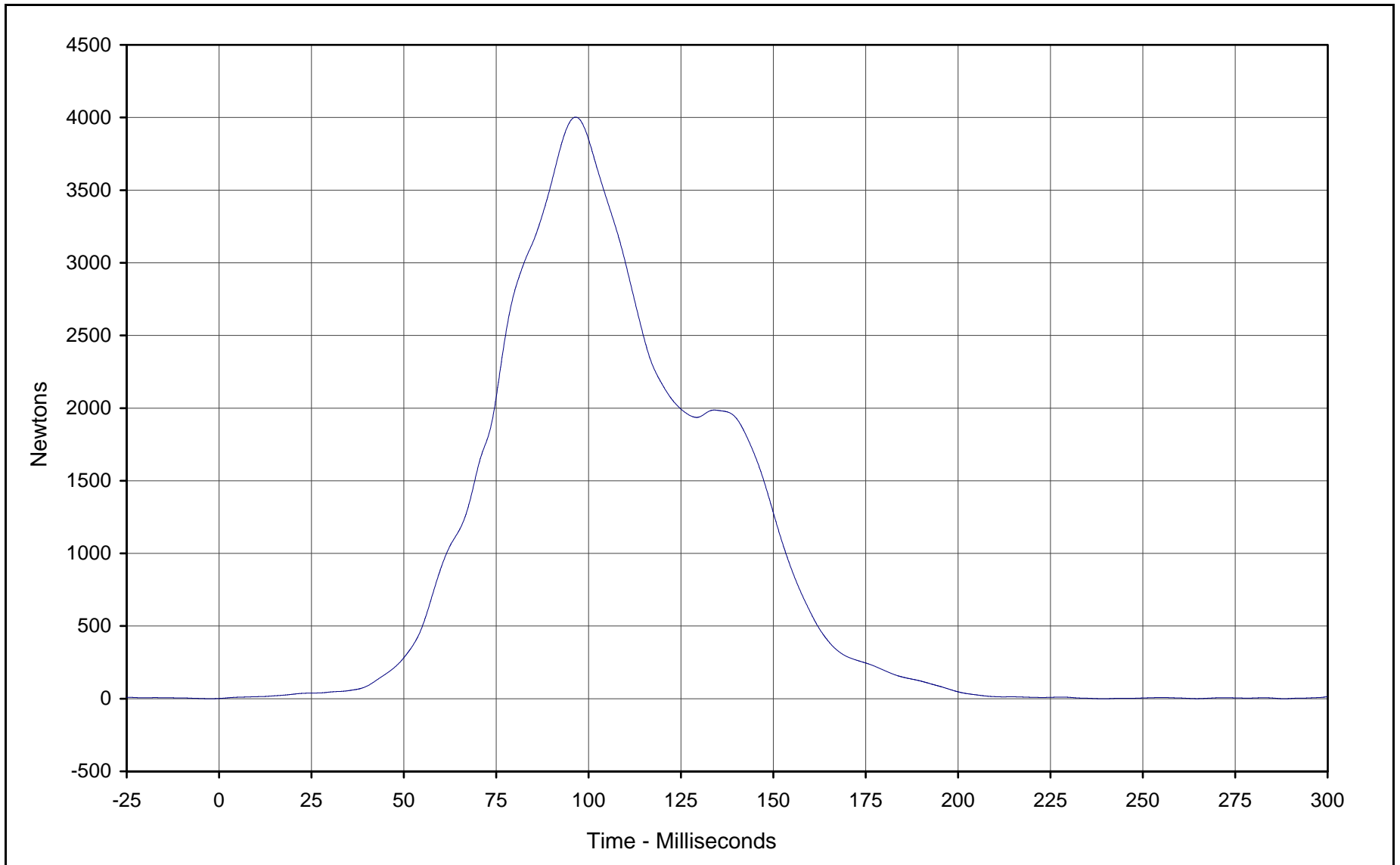
Curve Description: Driver Lap Belt Force  
Maximum Value: 2849.0 at 138.2 Milliseconds  
Minimum Value: -9.8 at 0.0 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-041

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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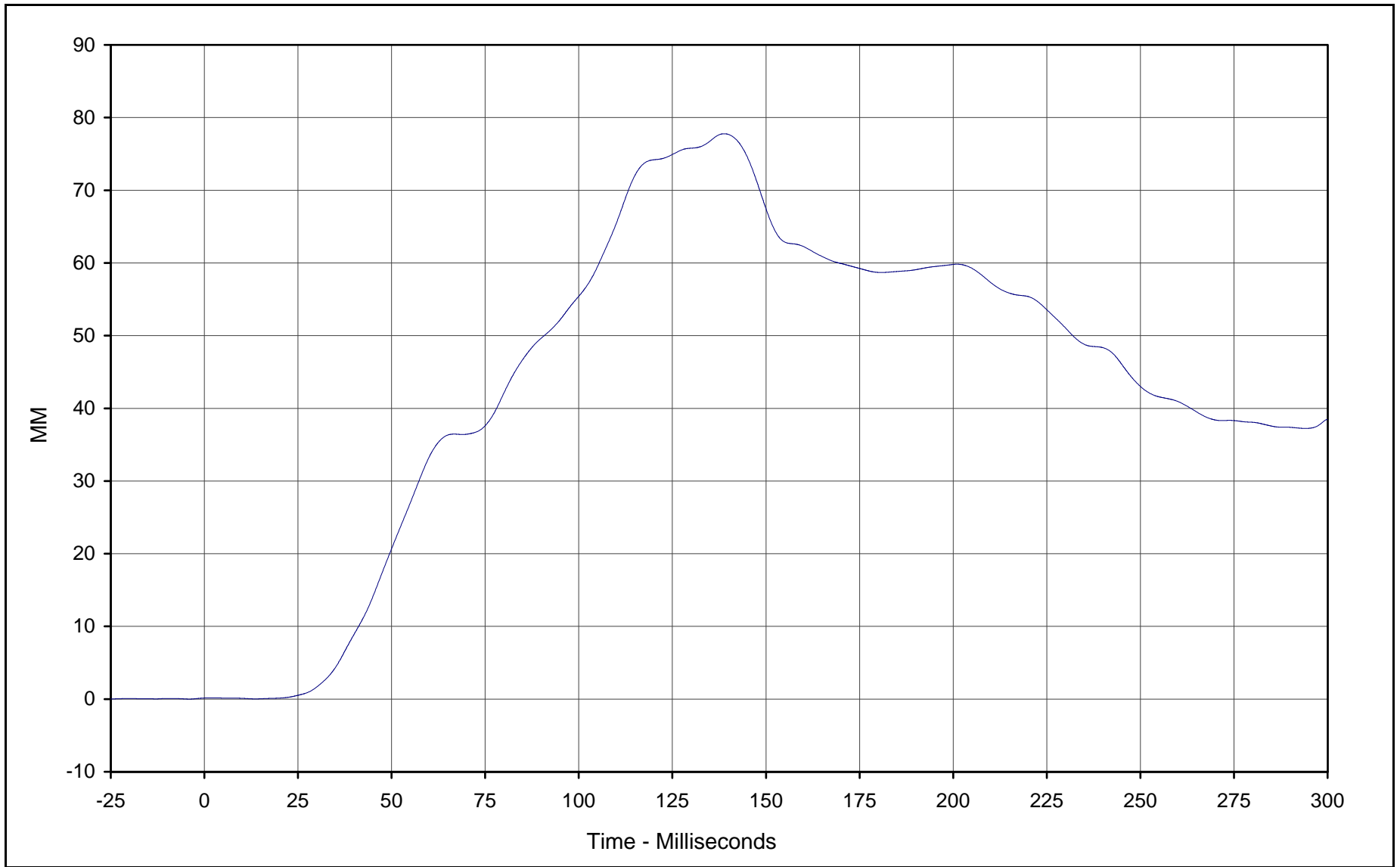
Curve Description: Driver Shoulder Belt Force  
Maximum Value: 4002.3 at 96.5 Milliseconds  
Minimum Value: -0.7 at 288.3 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-042

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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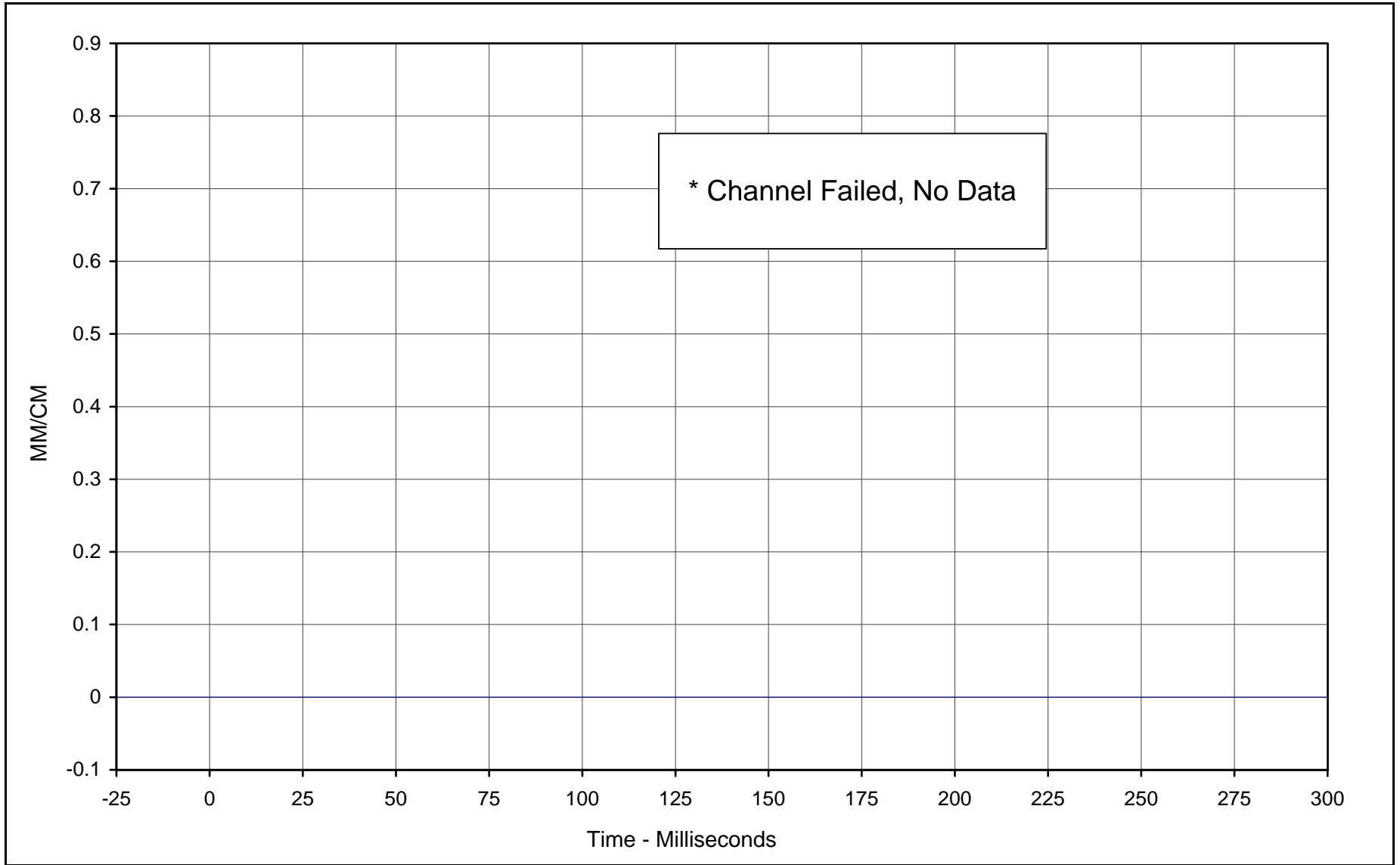
Curve Description: Driver Shoulder Belt Pullout  
Maximum Value: 77.8 at 138.8 Milliseconds  
Minimum Value: 0.0 at 13.8 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-043

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Driver Shoulder Belt Elongation \*

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Maximum Value: 0.00 at 0.0 Milliseconds

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

Minimum Value: 0.00 at 0.0 Milliseconds

SAE Filter Class: 60

Date of Test: 08/15/00

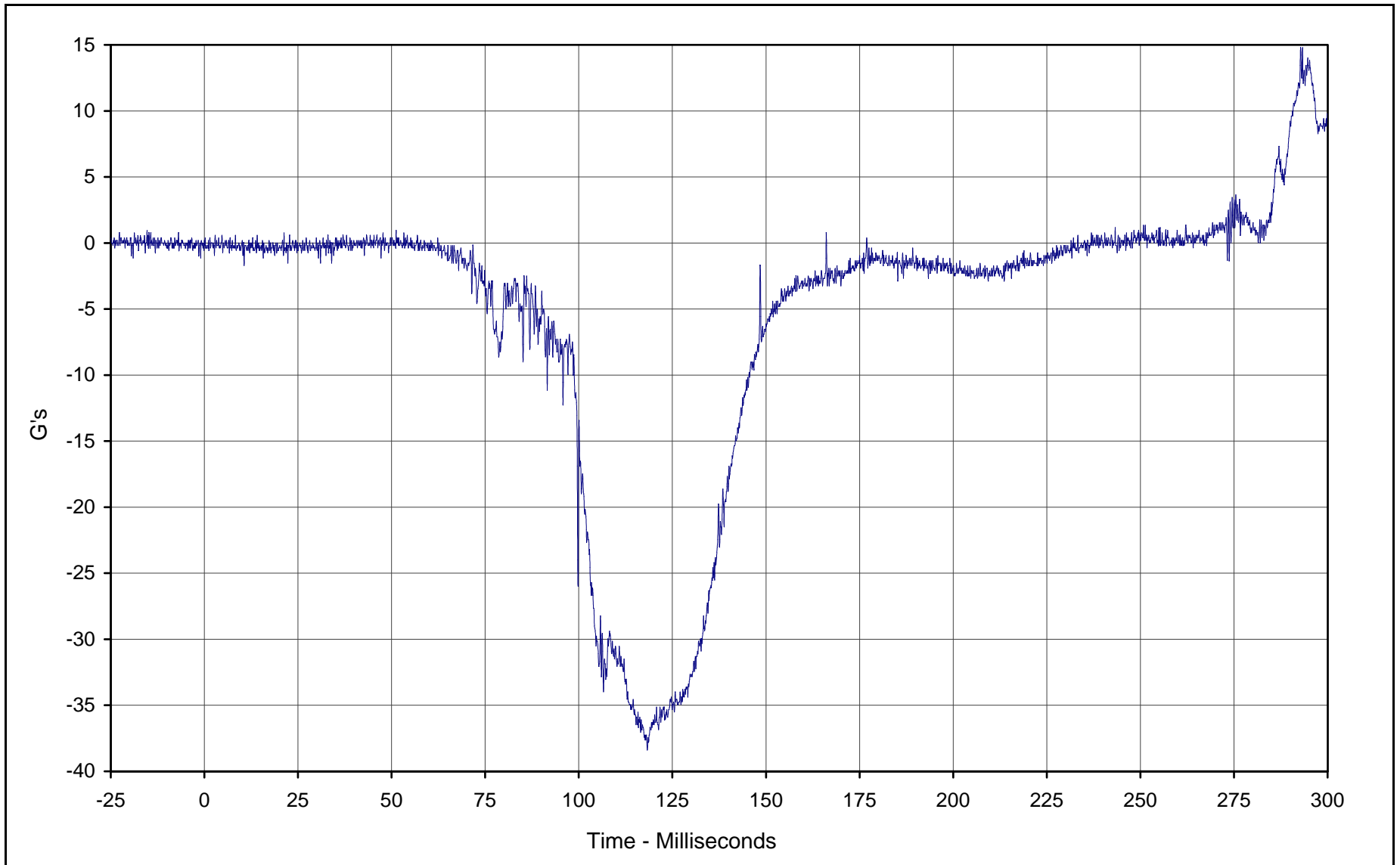
Curve Number: FIL-044

\* Channel Failed, No Data



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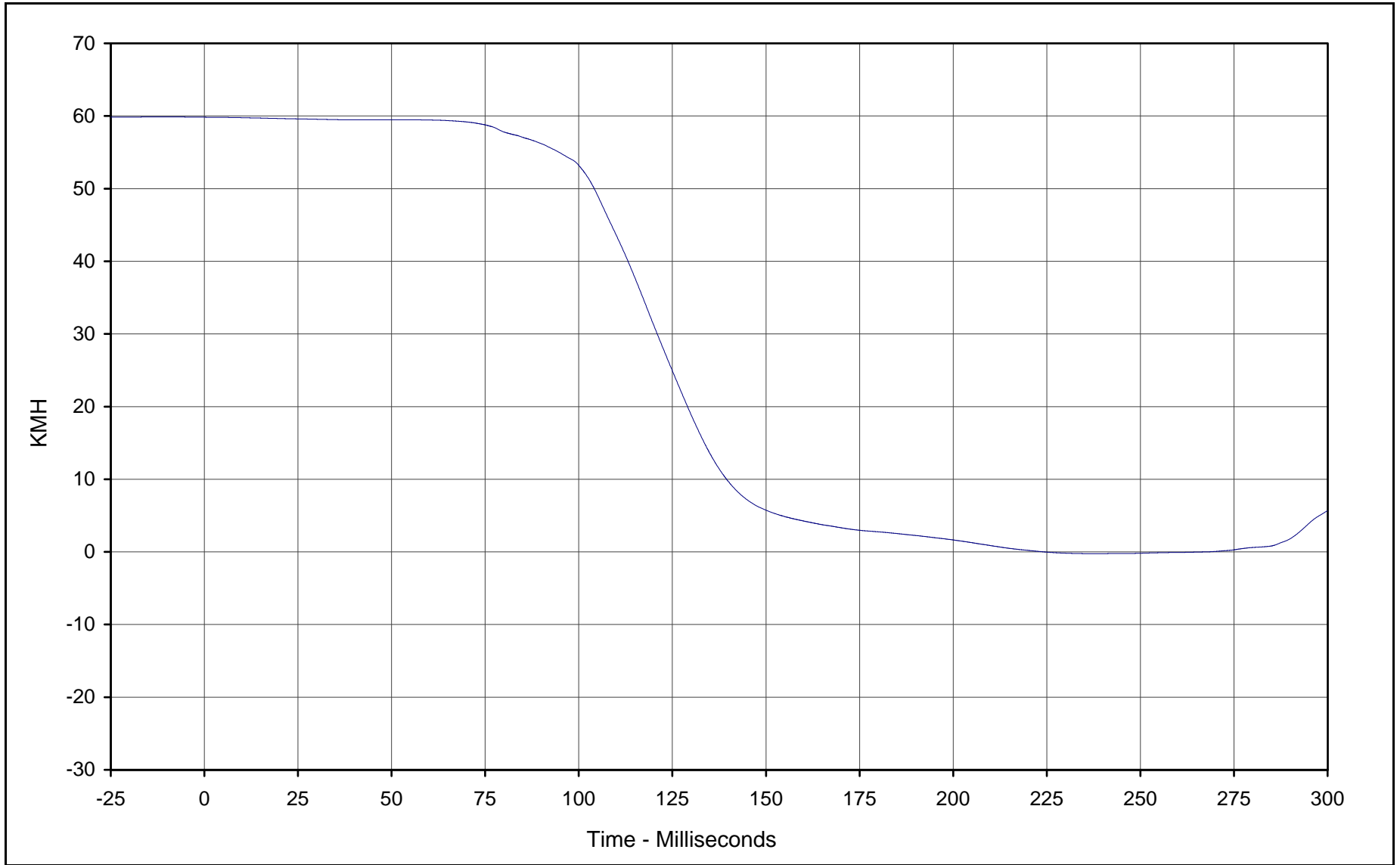
Curve Description: Passenger Head Primary X  
Maximum Value: 14.8 at 292.8 Milliseconds  
Minimum Value: -38.4 at 118.3 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-045

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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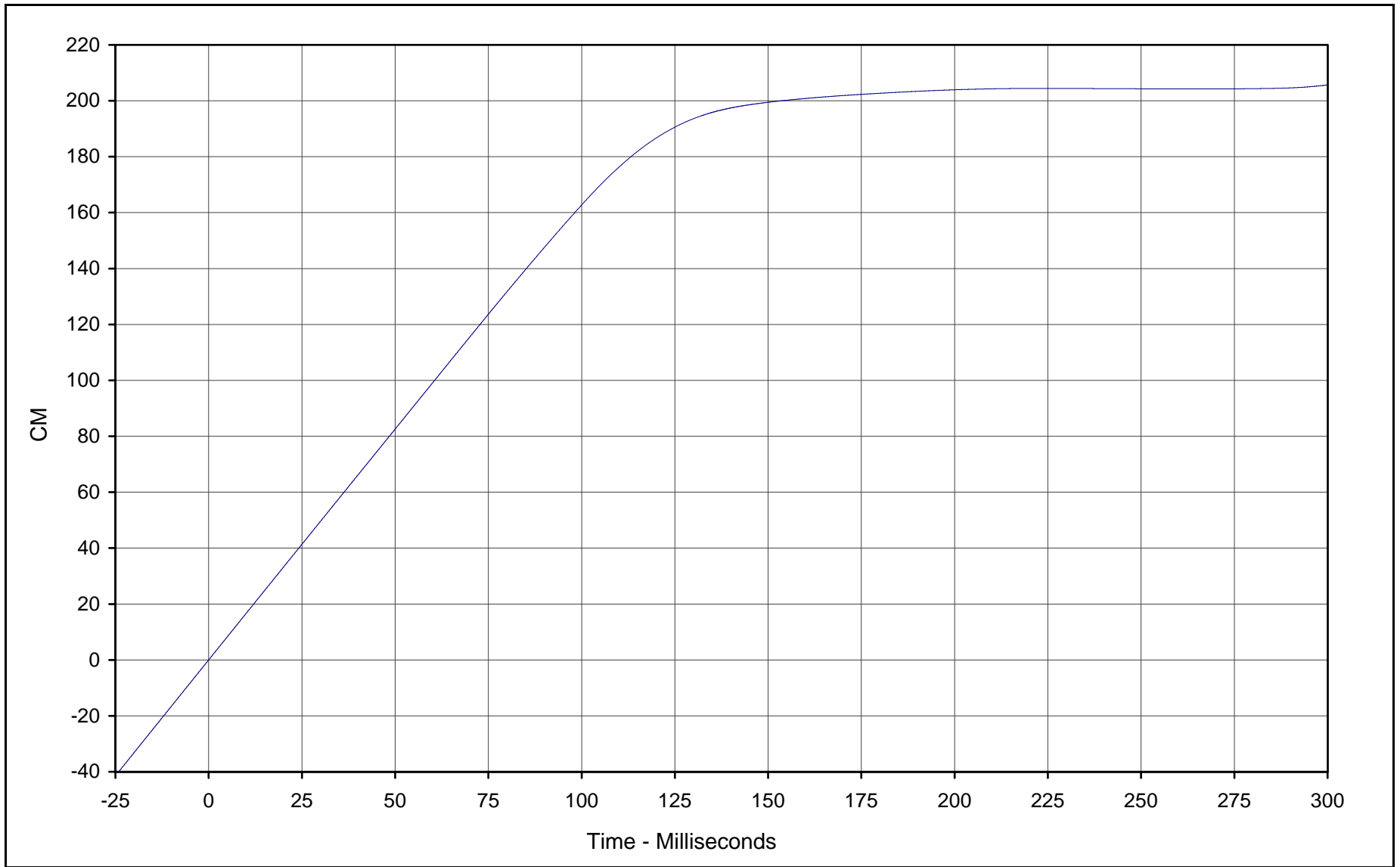
Curve Description: Passenger Head Primary X Velocity  
Maximum Value: 59.8 at 0.0 Milliseconds  
Minimum Value: -0.2 at 236.8 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-045

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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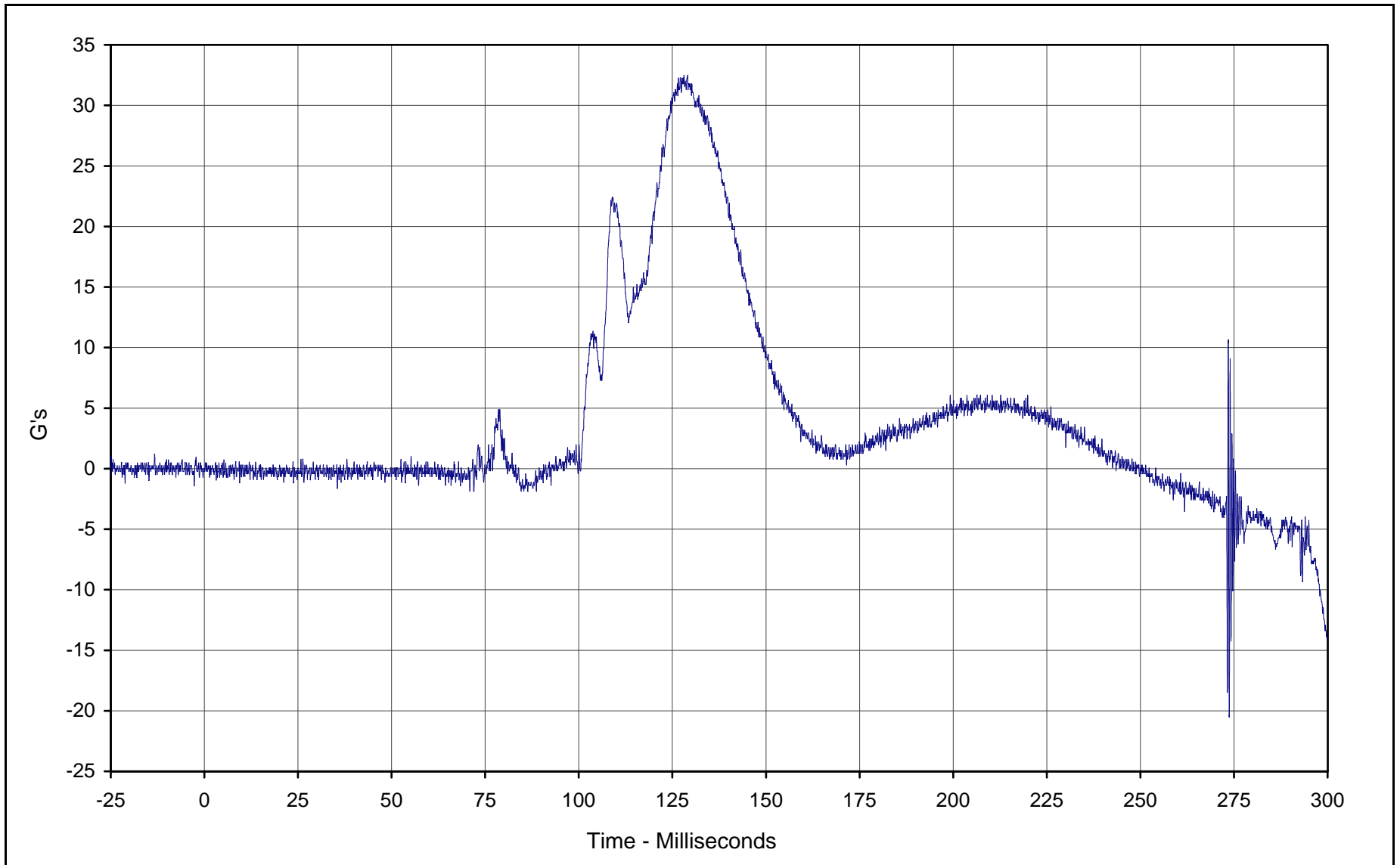
Curve Description: Passenger Head Primary X Displ.  
Maximum Value: 205.7 at 299.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-045

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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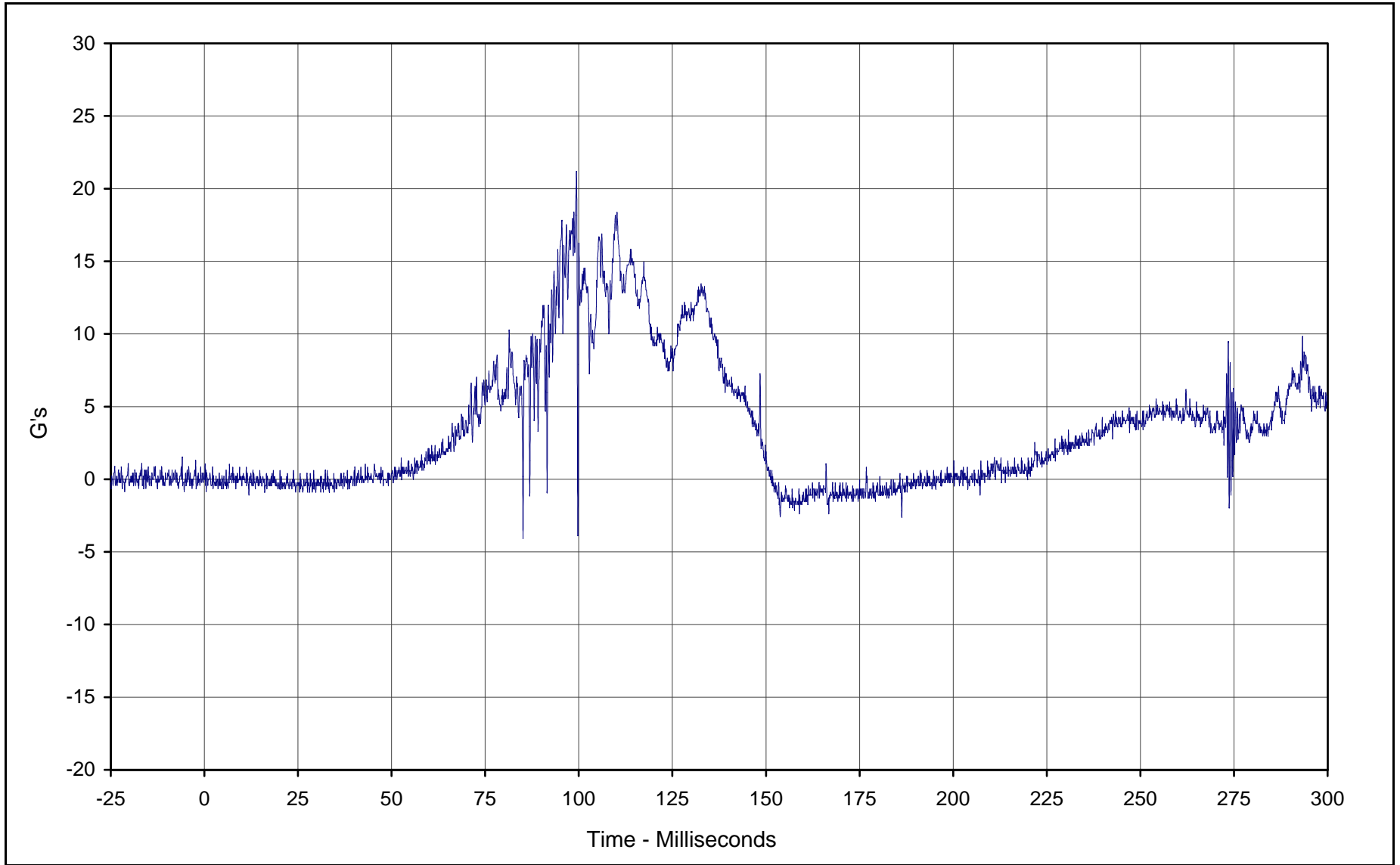
Curve Description: Passenger Head Primary Y  
Maximum Value: 32.5 at 128.1 Milliseconds  
Minimum Value: -20.4 at 273.7 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-046

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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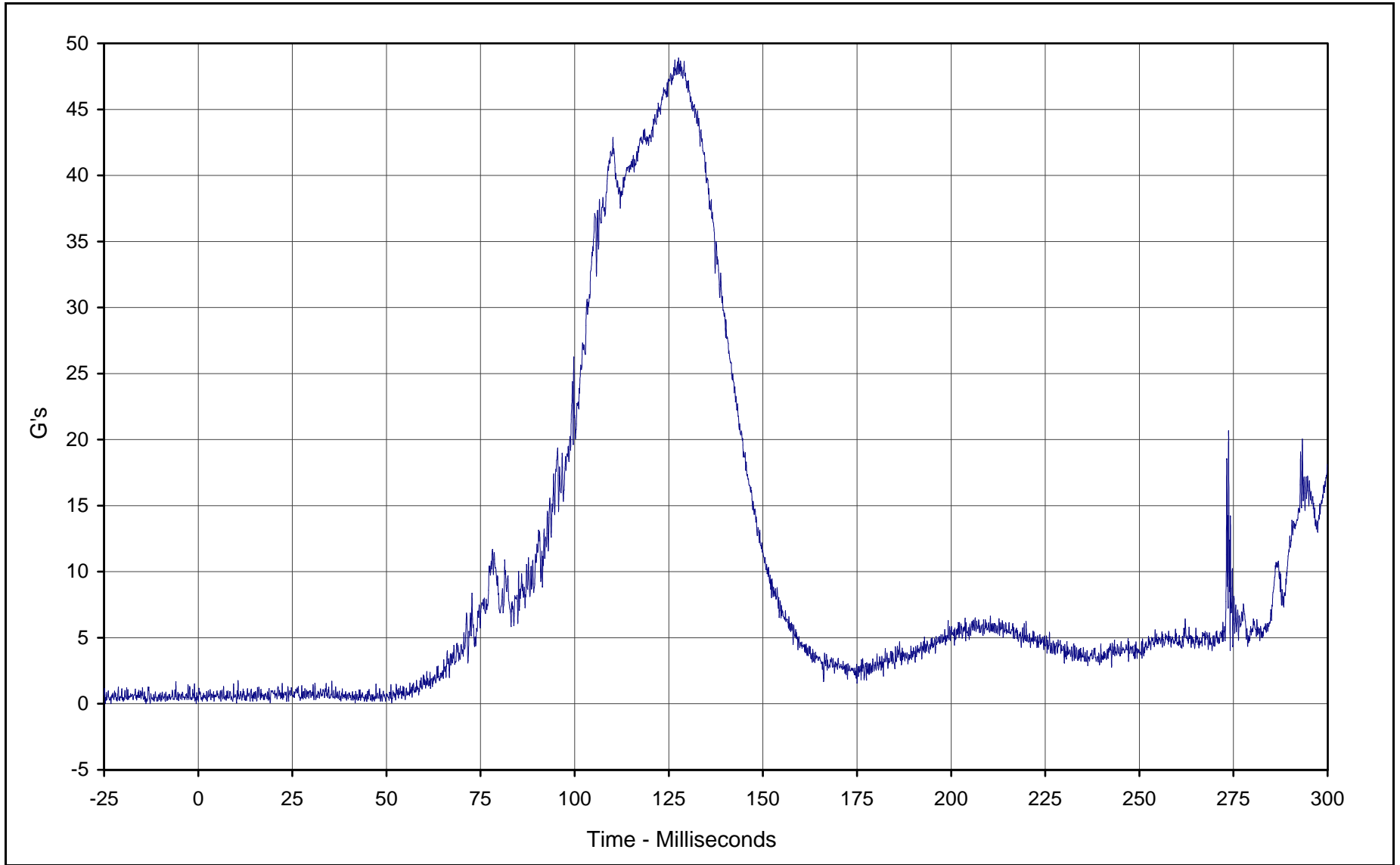
Curve Description: Passenger Head Primary Z  
Maximum Value: 21.2 at 99.4 Milliseconds  
Minimum Value: -4.1 at 85.1 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-047

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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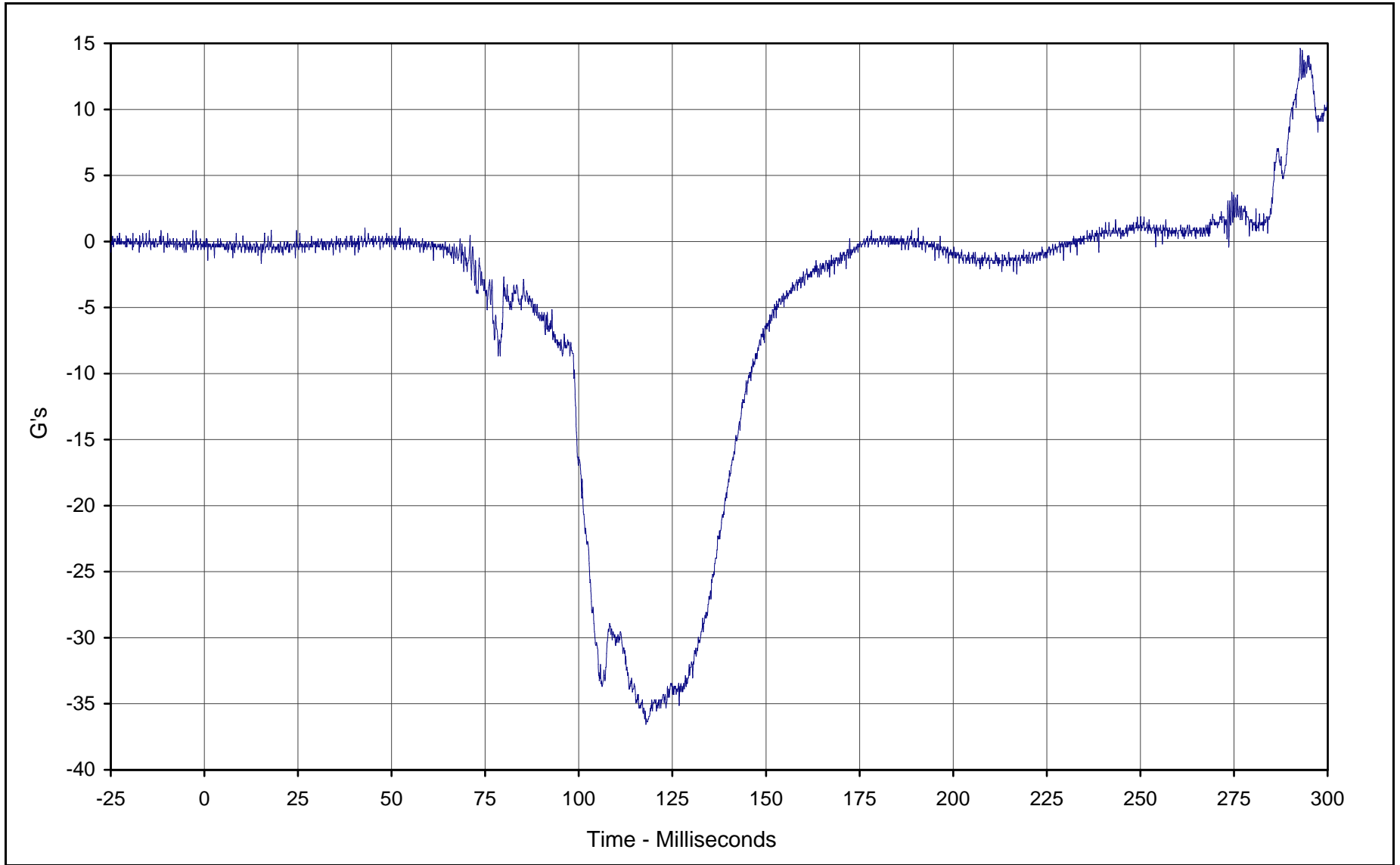
Curve Description: Passenger Head Resultant Primary  
Maximum Value: 48.9 at 127.6 Milliseconds  
Minimum Value: 0.1 at 10.2 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: RES-045

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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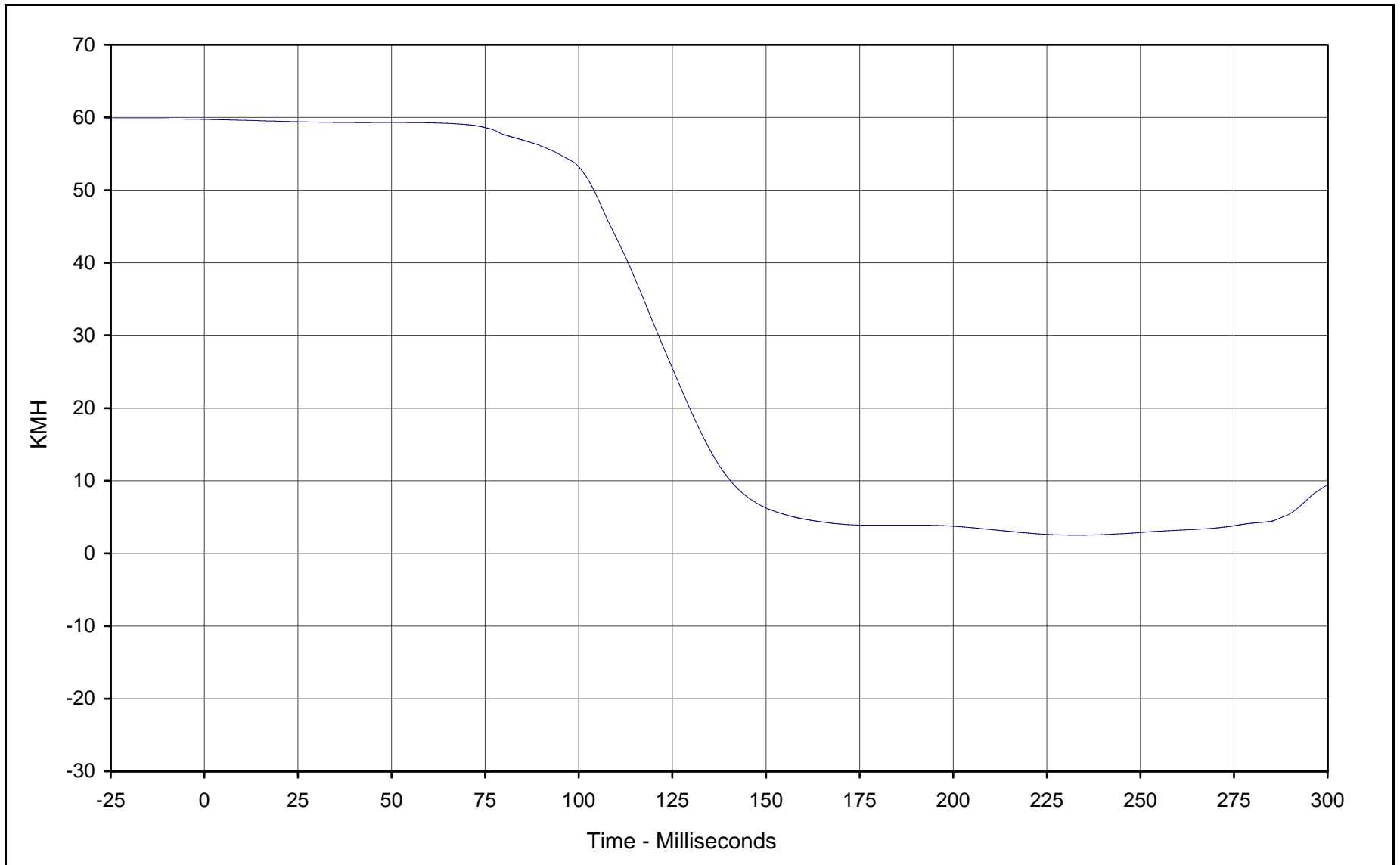
Curve Description: Passenger Head Redundant X  
Maximum Value: 14.6 at 292.7 Milliseconds  
Minimum Value: -36.6 at 117.9 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-048

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Passenger Head Redundant X Velocity

Maximum Value: 59.7 at 0.0 Milliseconds

Minimum Value: 2.5 at 233.5 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

Curve Number: IN1-048

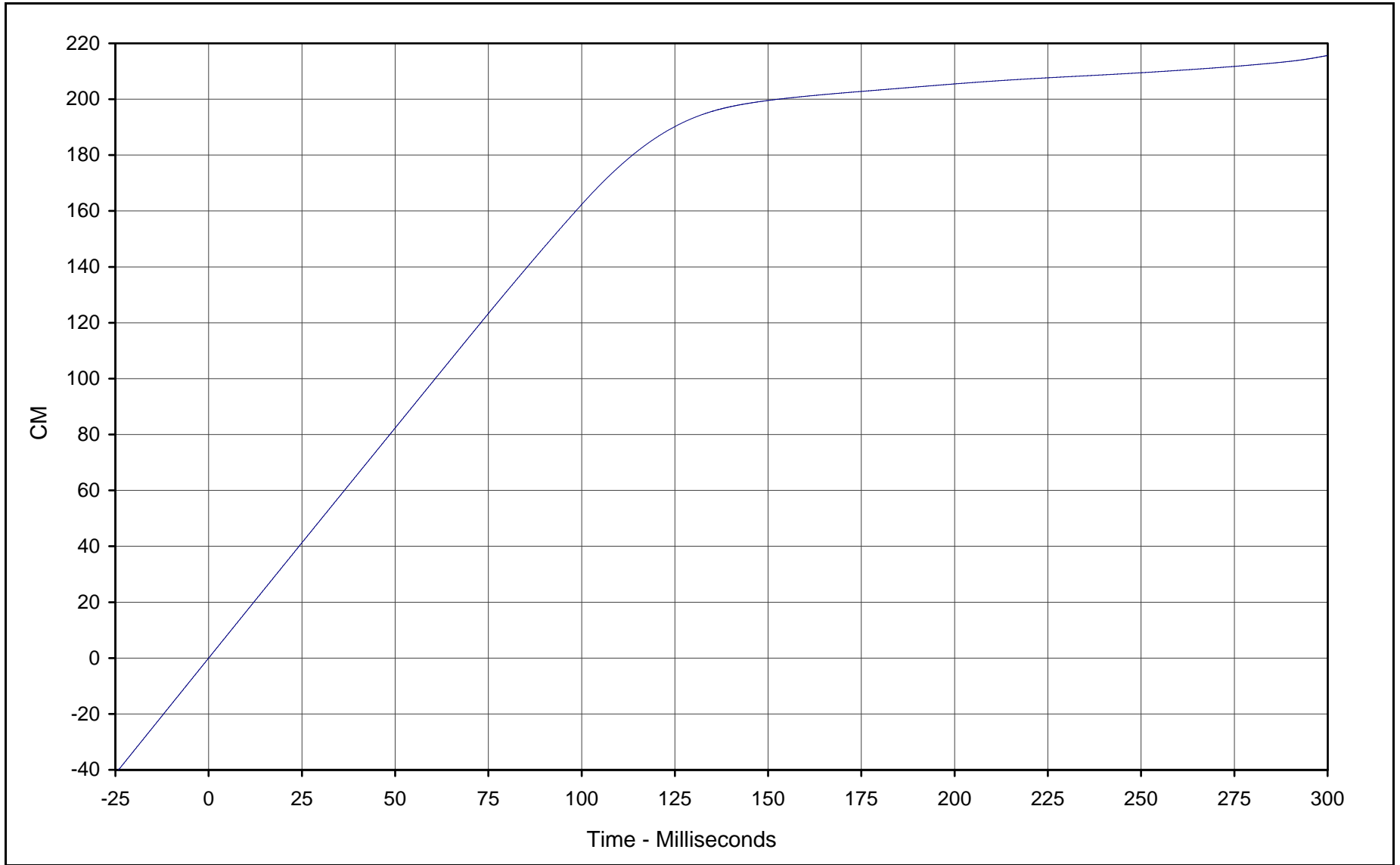
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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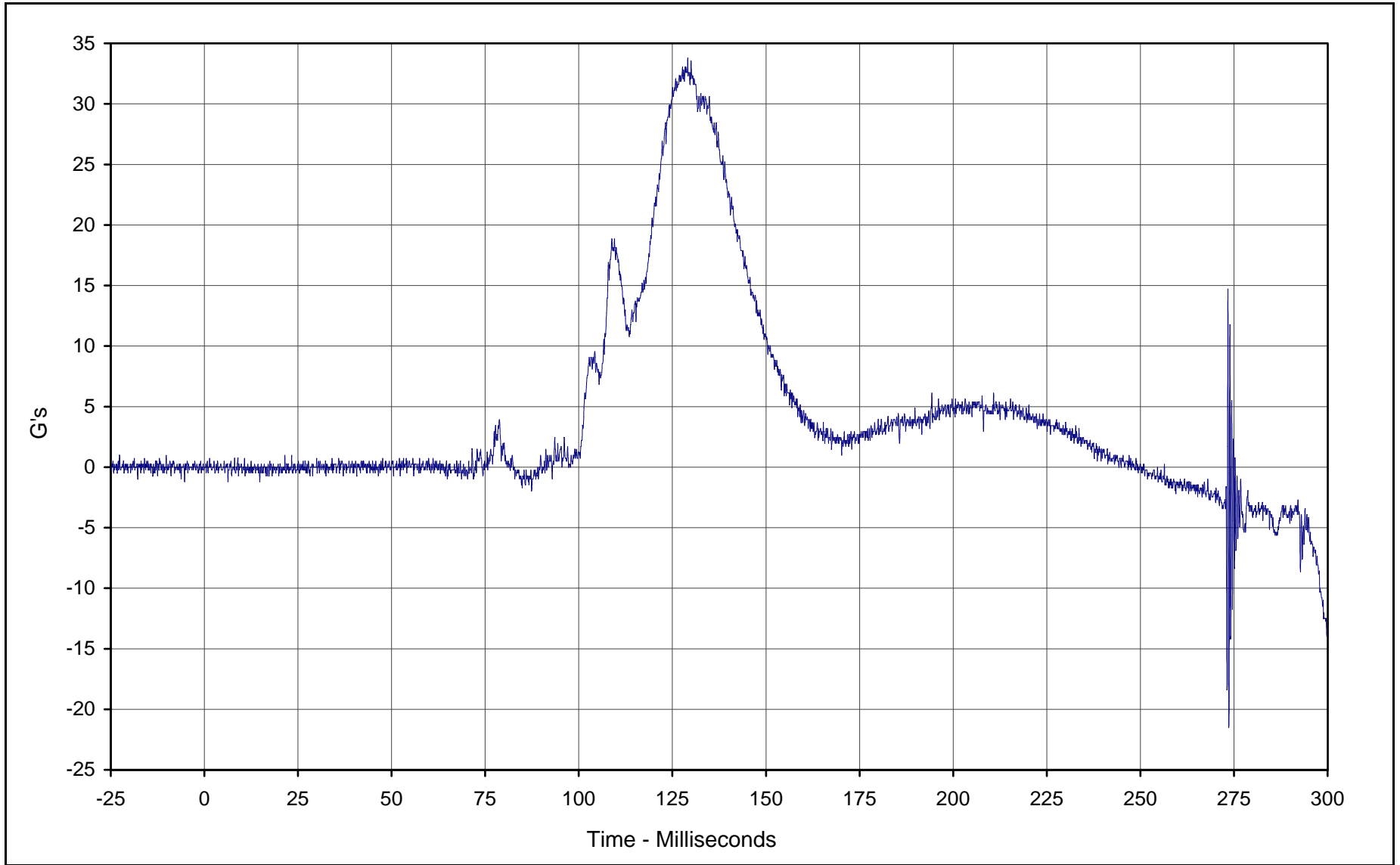
Curve Description: Passenger Head Redundant X Displ.  
Maximum Value: 215.6 at 299.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-048

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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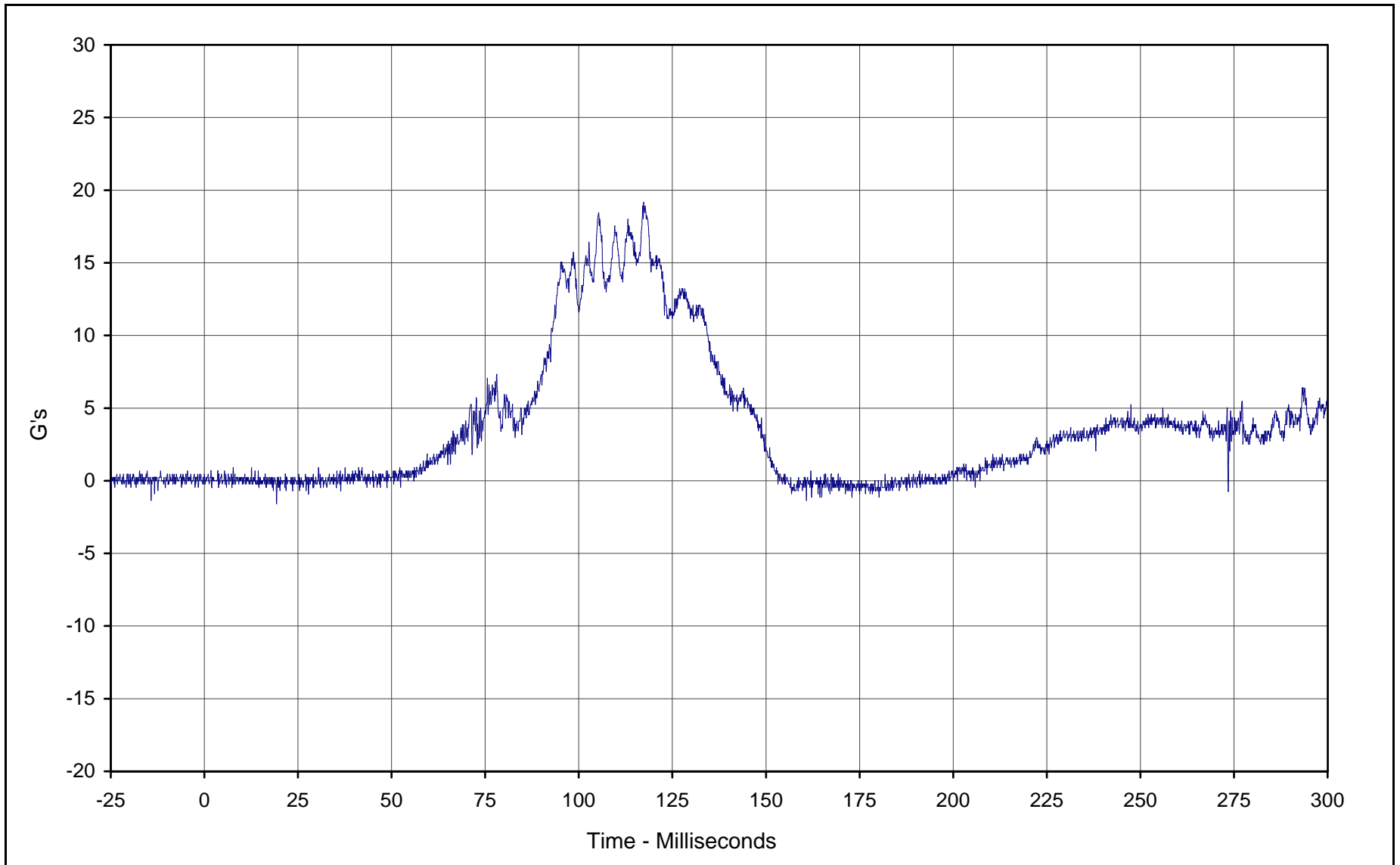
Curve Description: Passenger Head Redundant Y  
Maximum Value: 33.8 at 129.1 Milliseconds  
Minimum Value: -21.3 at 273.6 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-049

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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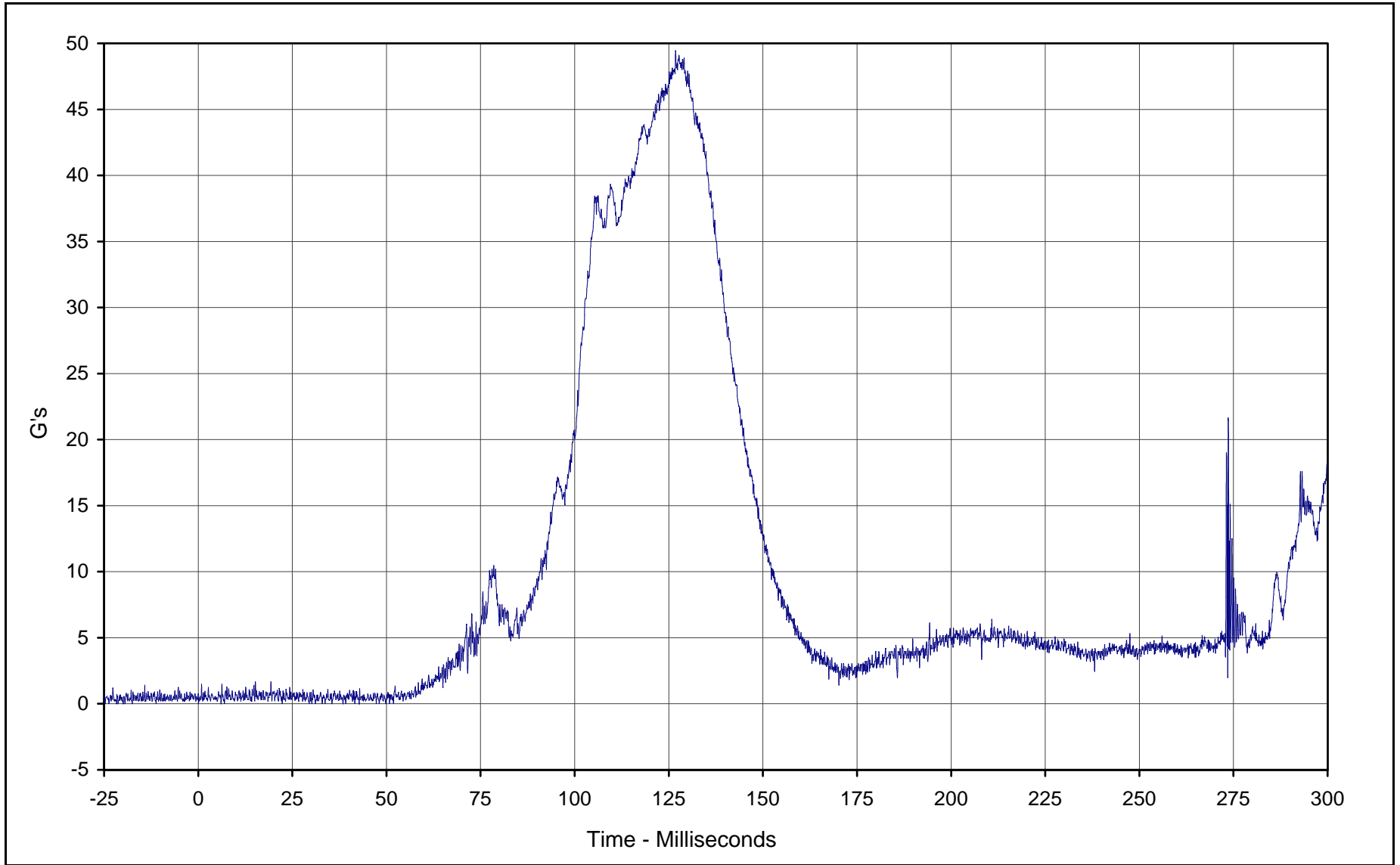
Curve Description: Passenger Head Redundant Z  
Maximum Value: 19.1 at 117.3 Milliseconds  
Minimum Value: -1.6 at 19.3 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-050

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Passenger Head Resultant Redundant

Maximum Value: 49.4 at 126.8 Milliseconds

Minimum Value: 0.0 at 0.1 Milliseconds

SAE Filter Class: 1000

Date of Test: 08/15/00

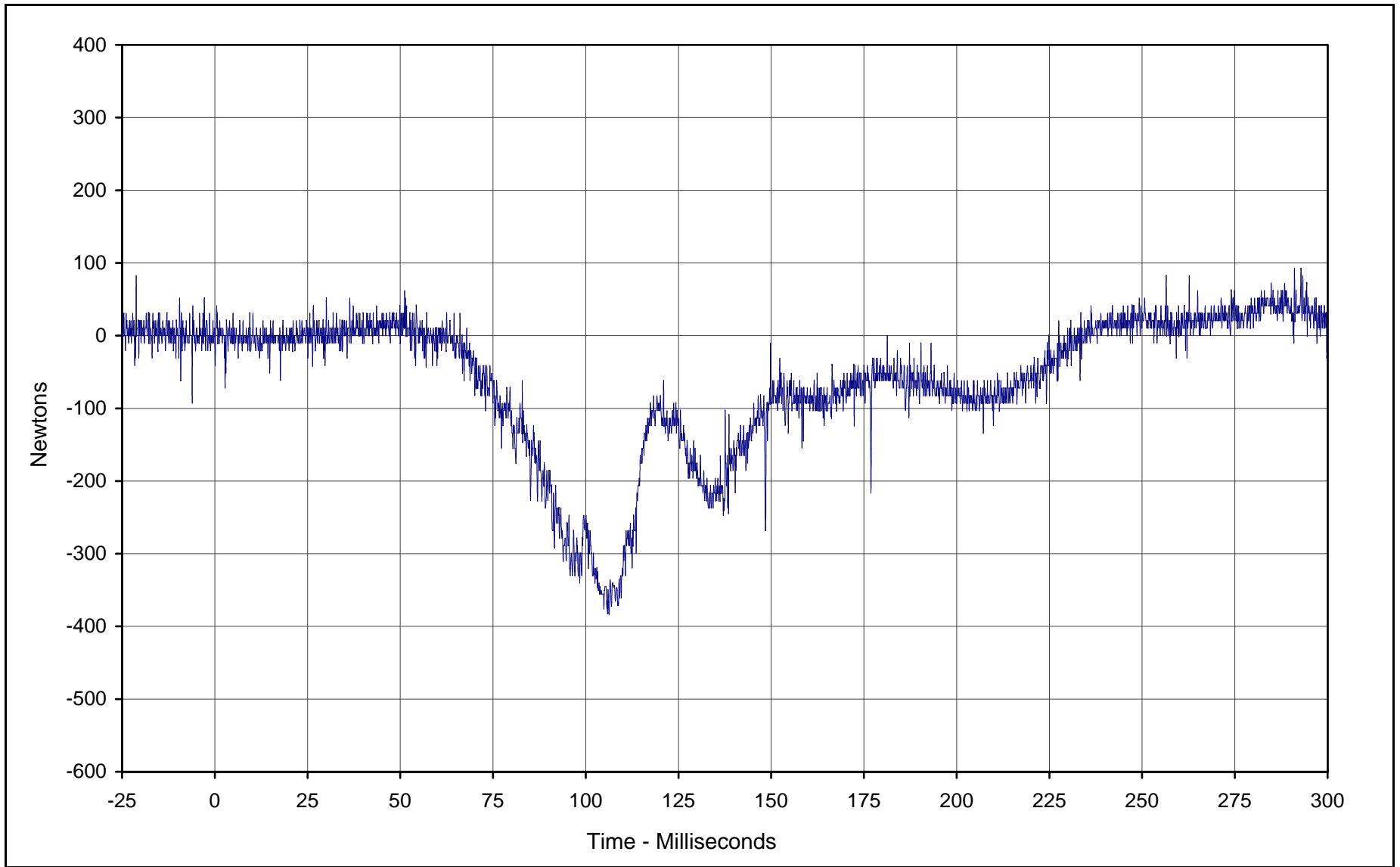
Curve Number: RES-048

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

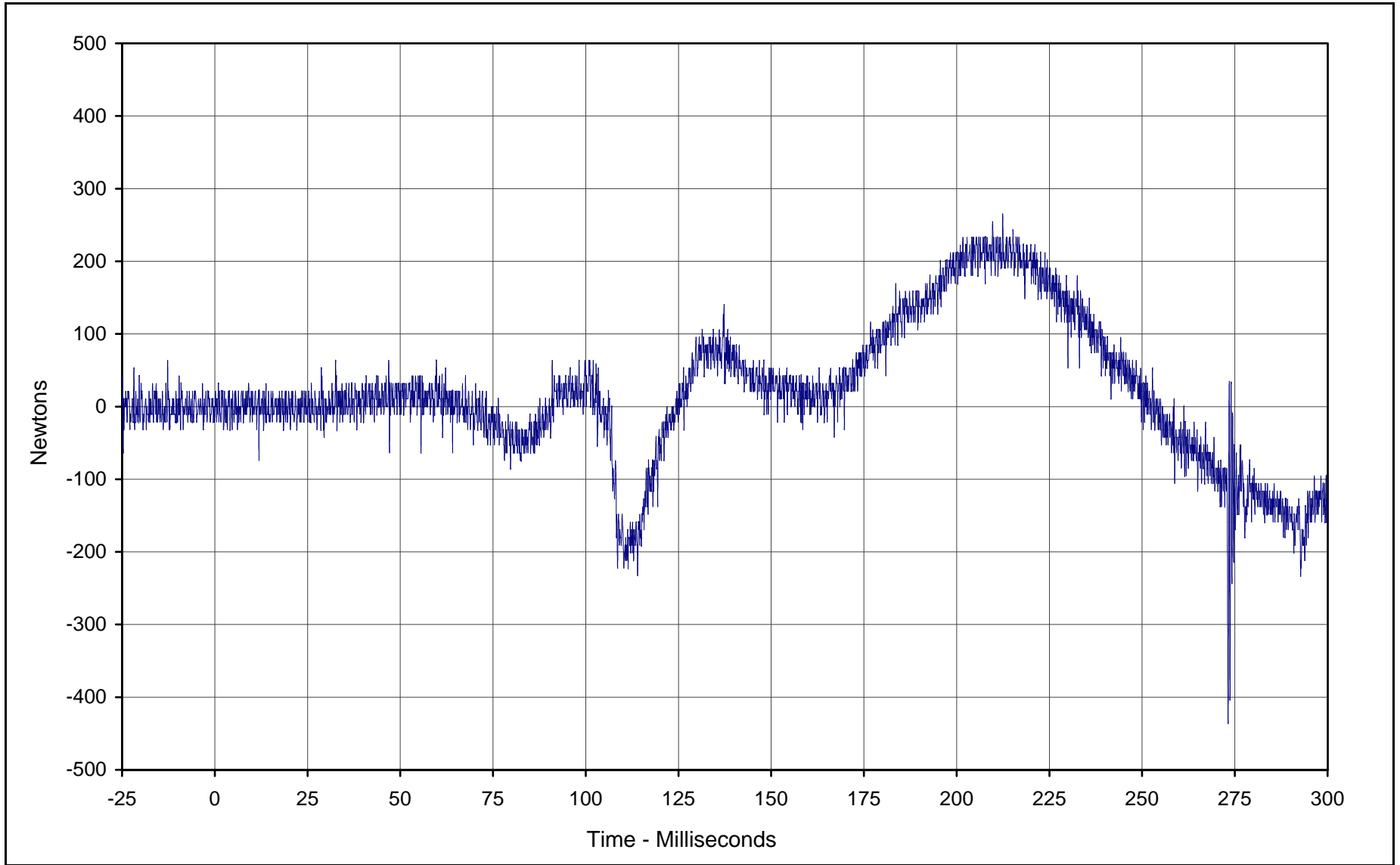


Curve Description: Passenger Neck Force X  
 Maximum Value: 92.9 at 291.1 Milliseconds  
 Minimum Value: -383.6 at 106.3 Milliseconds  
 SAE Filter Class: 1000  
 Date of Test: 08/15/00  
 Curve Number: FIL-051

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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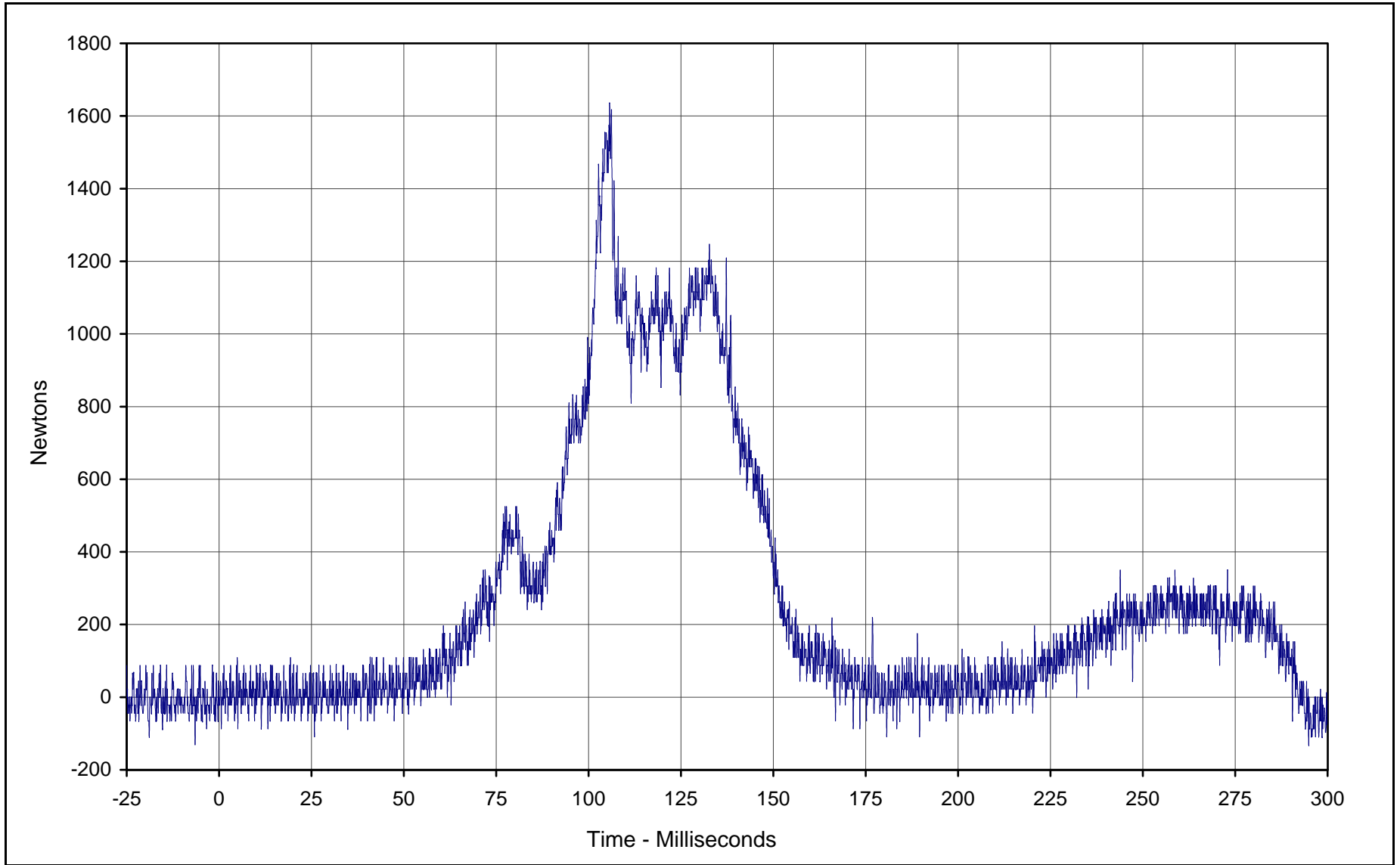


Curve Description: Passenger Neck Force Y  
Maximum Value: 264.9 at 212.4 Milliseconds  
Minimum Value: -434.4 at 273.2 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-052

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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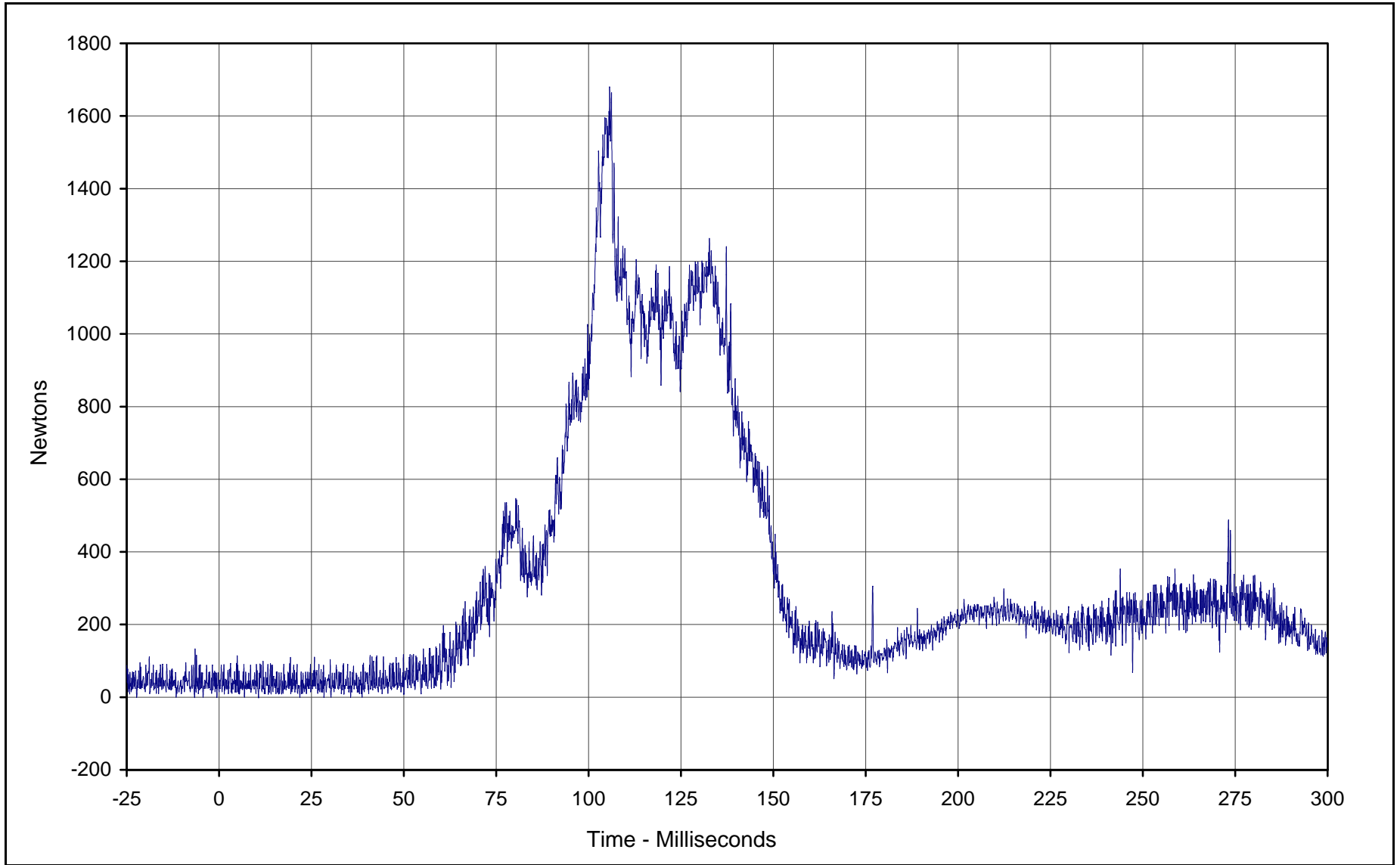


Curve Description: Passenger Neck Force Z  
Maximum Value: 1635.8 at 105.7 Milliseconds  
Minimum Value: -131.3 at 294.9 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-053

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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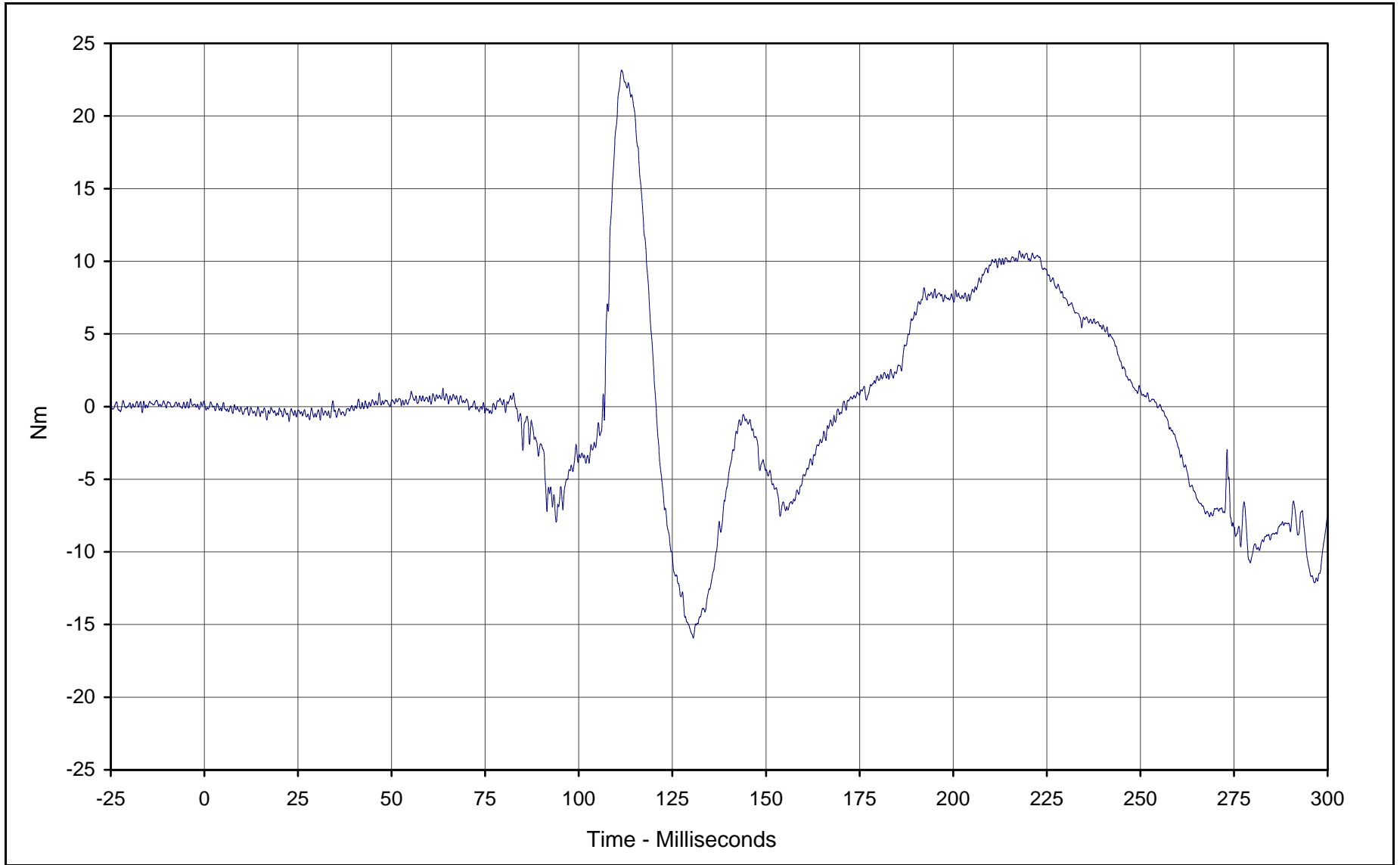
Curve Description: Passenger Neck Force Resultant  
Maximum Value: 1679.5 at 105.7 Milliseconds  
Minimum Value: 0.0 at 6.9 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: RES-051

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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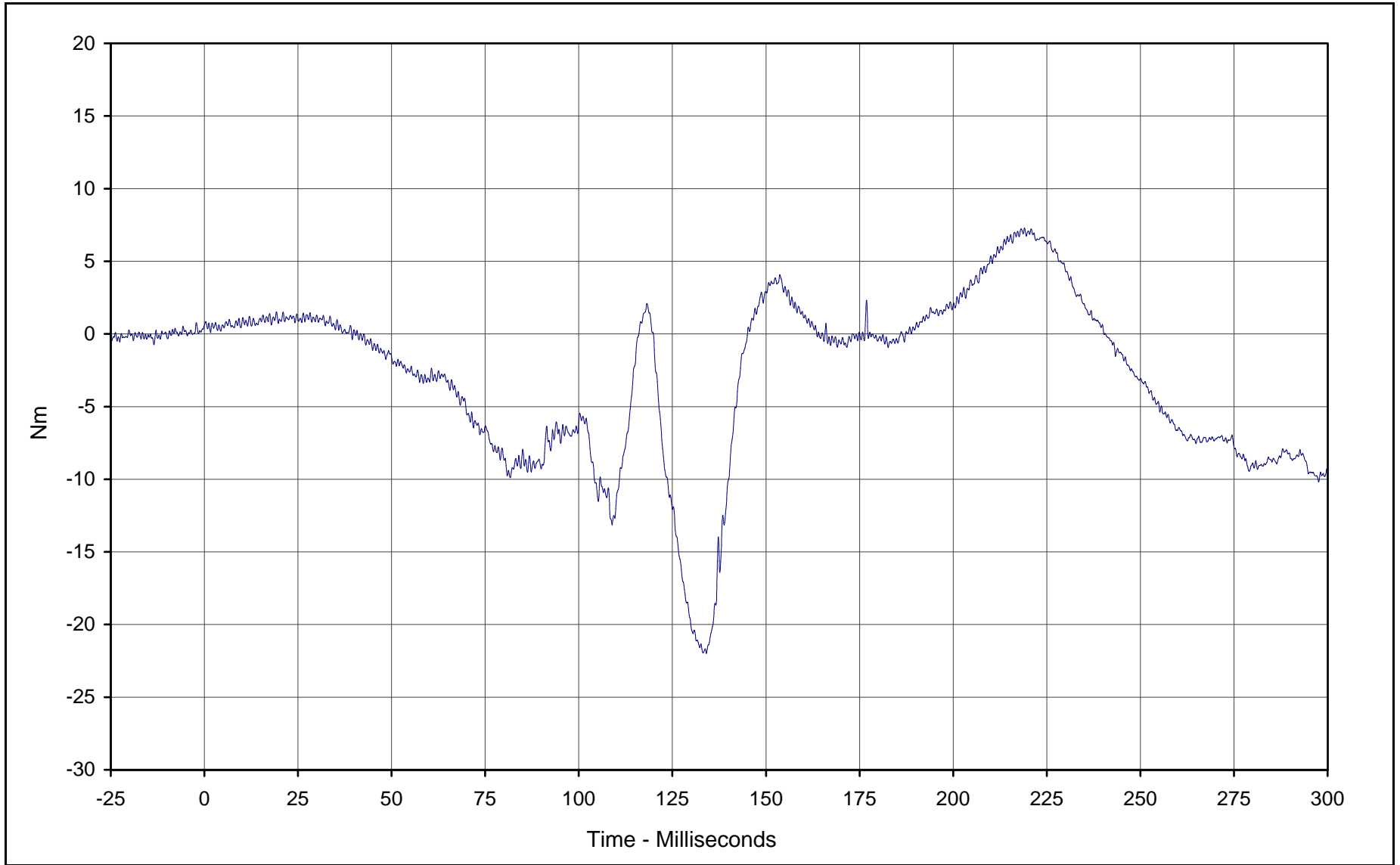
Curve Description: Passenger Neck Moment X  
Maximum Value: 23.1 at 111.4 Milliseconds  
Minimum Value: -15.9 at 130.6 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-054

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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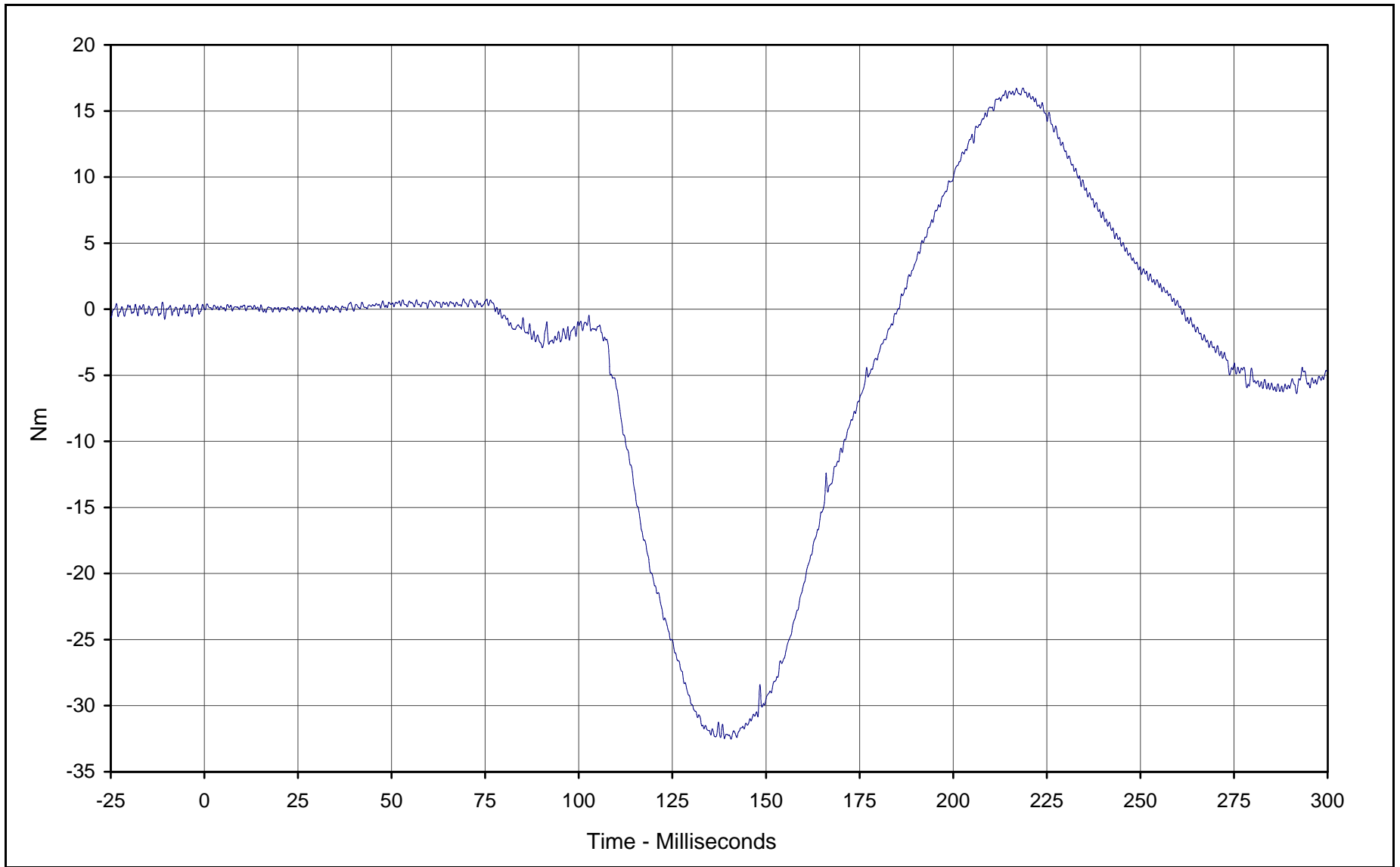
Curve Description: Passenger Neck Moment Y  
Maximum Value: 7.3 at 219.1 Milliseconds  
Minimum Value: -22.0 at 134.1 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-055

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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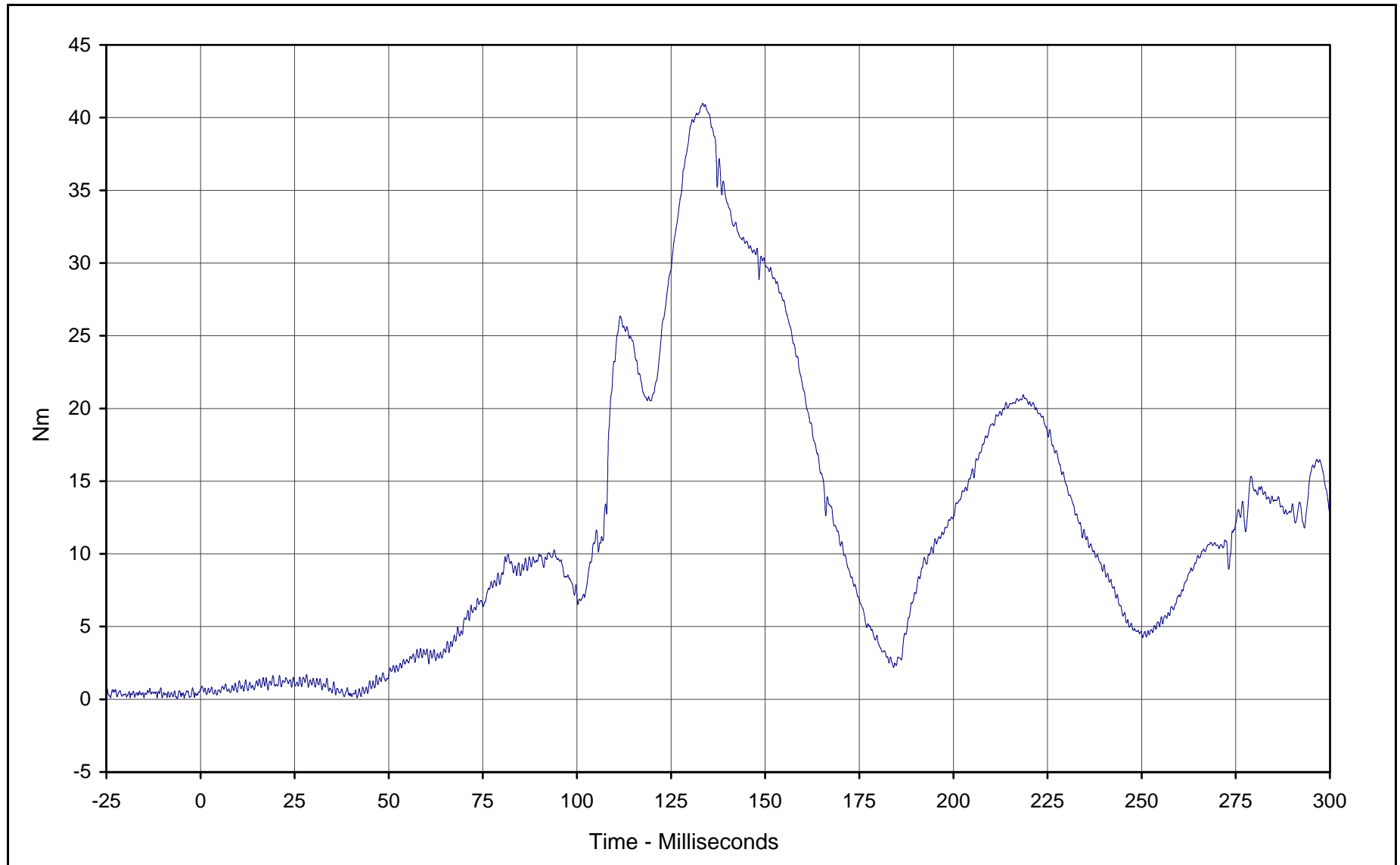


Curve Description: Passenger Neck Moment Z  
Maximum Value: 16.7 at 218.6 Milliseconds  
Minimum Value: -32.5 at 140.7 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-056

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



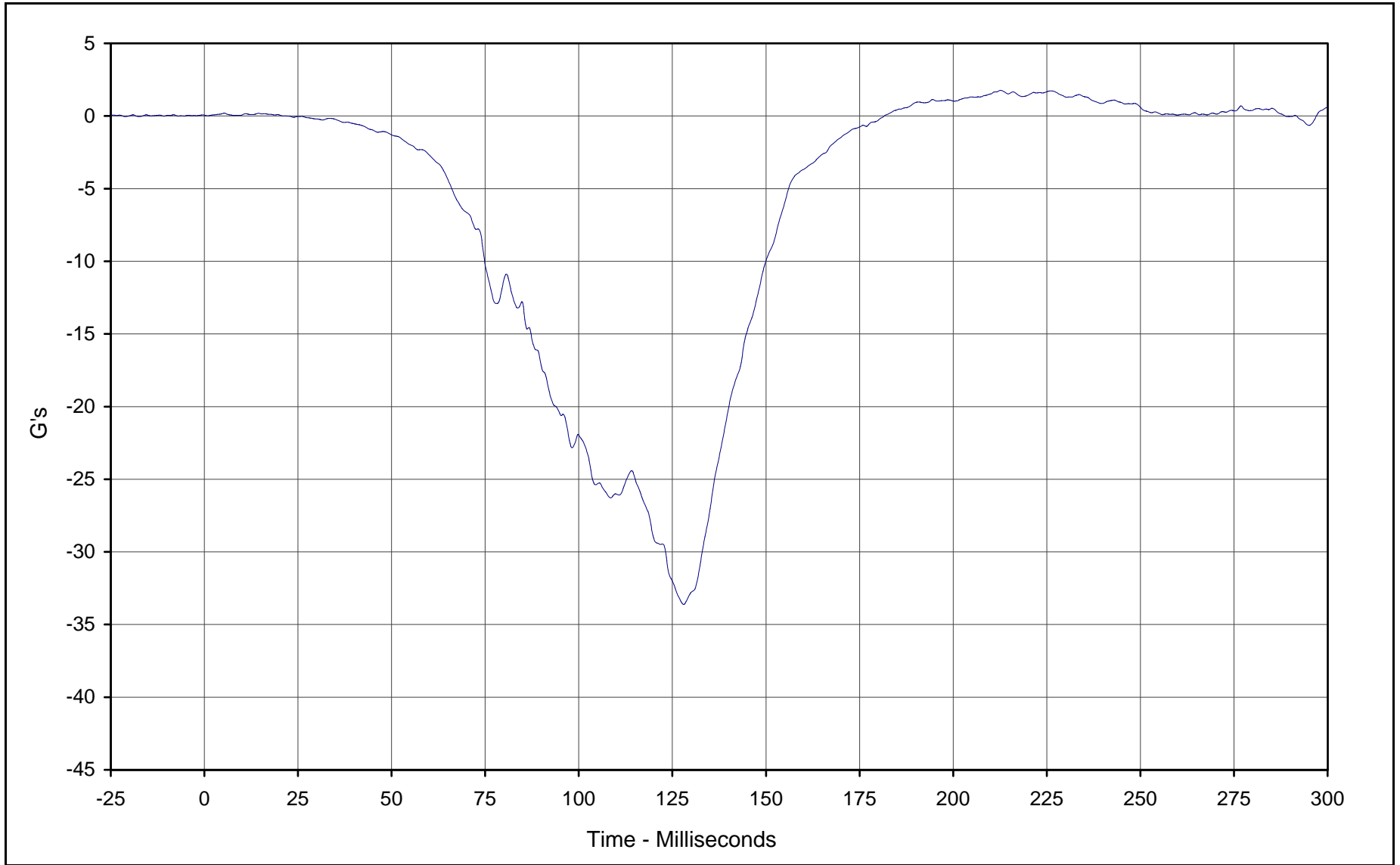
KAR20002-02



Curve Description: Passenger Neck Moment Resultant  
Maximum Value: 41.0 at 133.4 Milliseconds  
Minimum Value: 0.1 at 41.6 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: RES-054

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

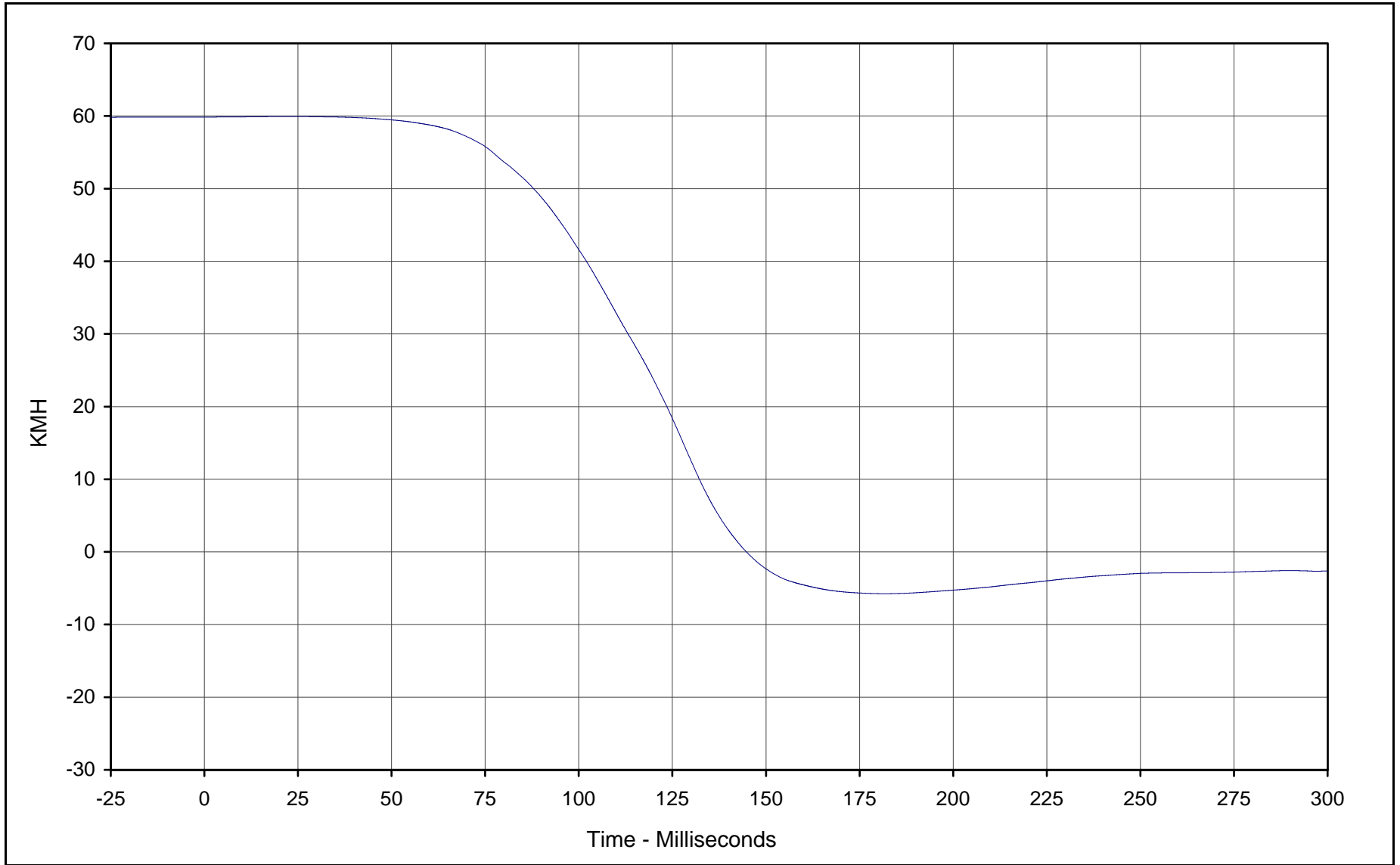




Curve Description: Passenger Chest Primary X  
 Maximum Value: 1.8 at 212.6 Milliseconds  
 Minimum Value: -33.6 at 128.0 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: FIL-057

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



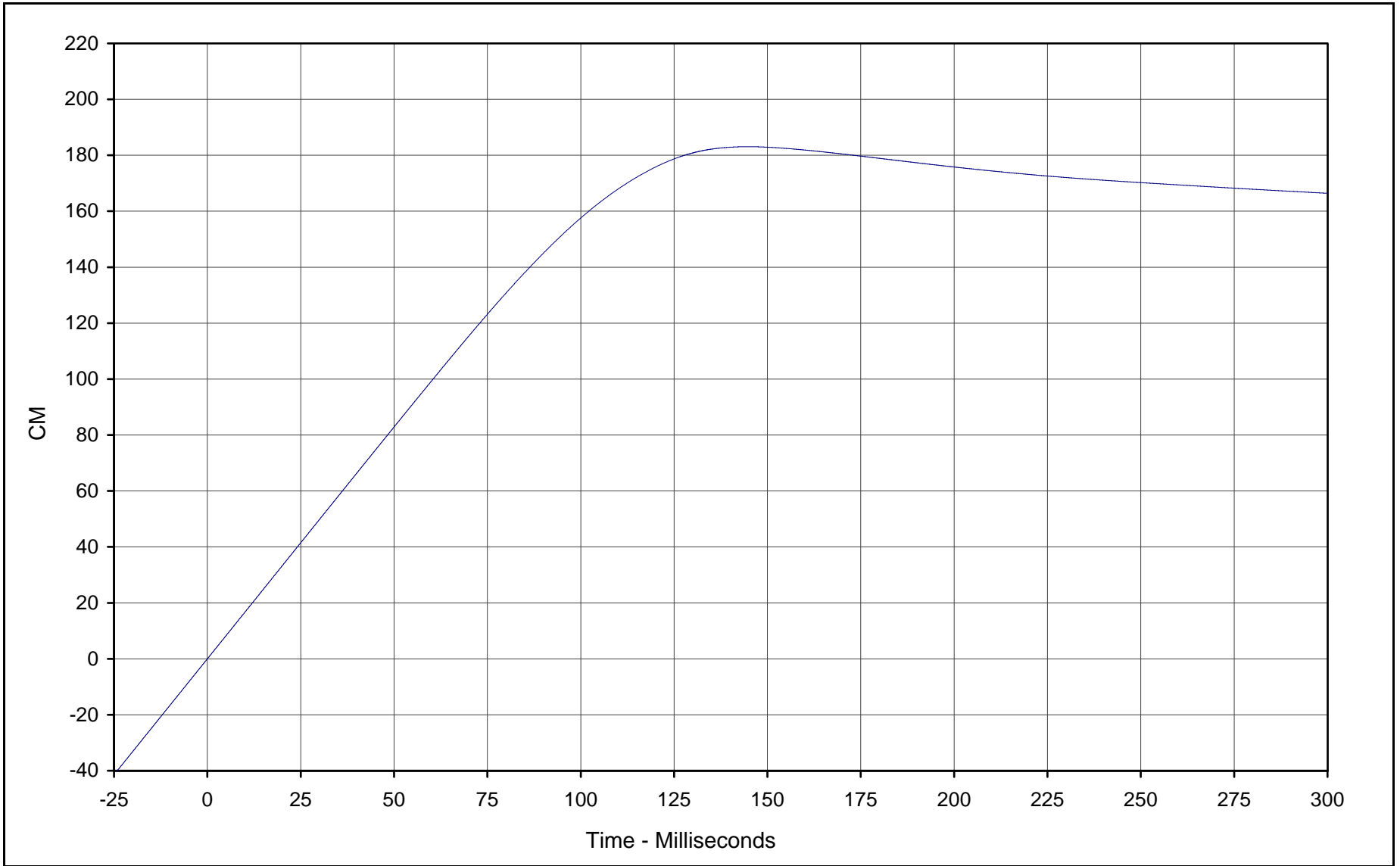


Curve Description: Passenger Chest Primary X Velocity  
Maximum Value: 59.9 at 21.8 Milliseconds  
Minimum Value: -5.8 at 181.6 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-057

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



B-84



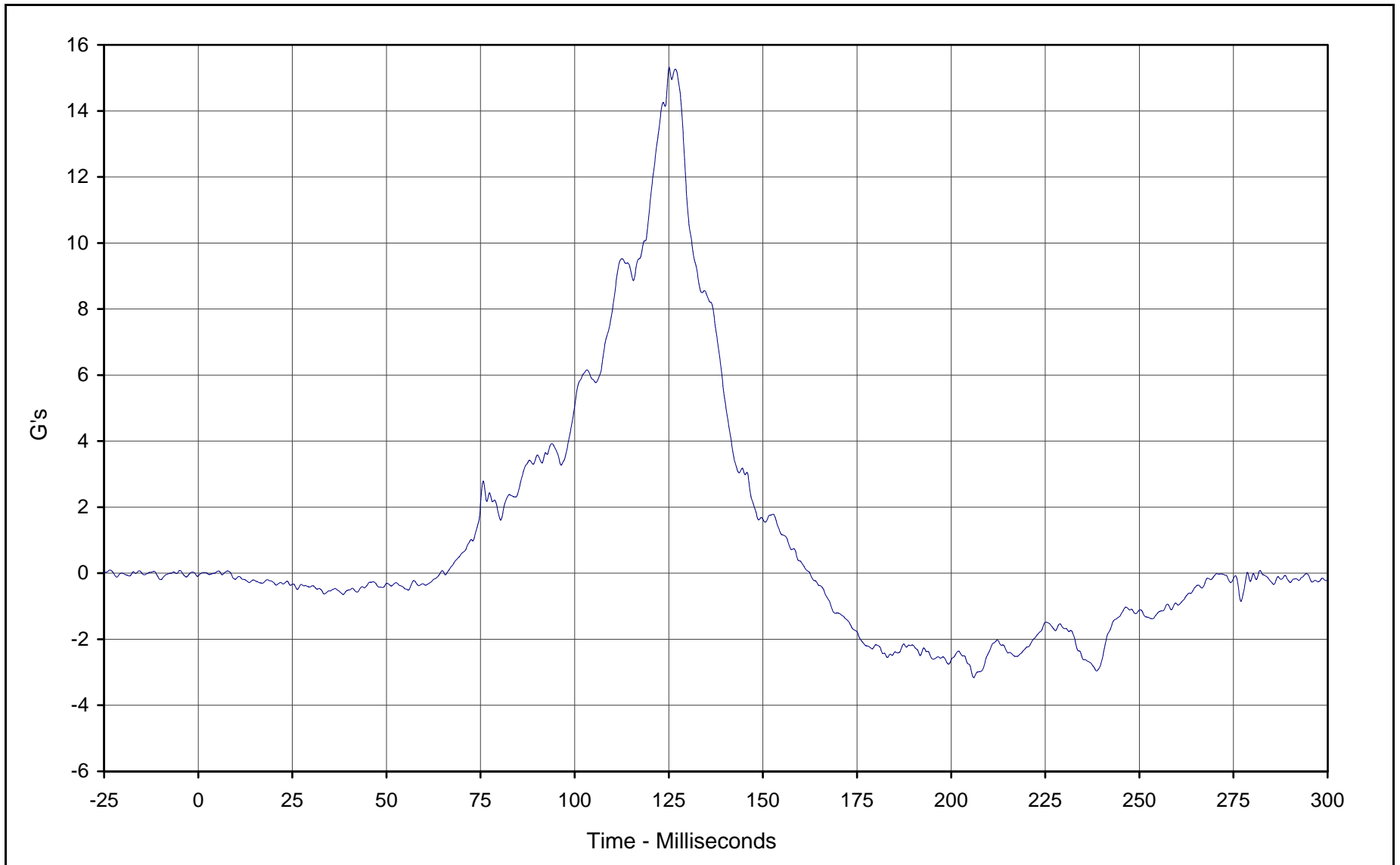
Curve Description: Passenger Chest Primary X Displ.  
Maximum Value: 183.1 at 144.8 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-057

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-85

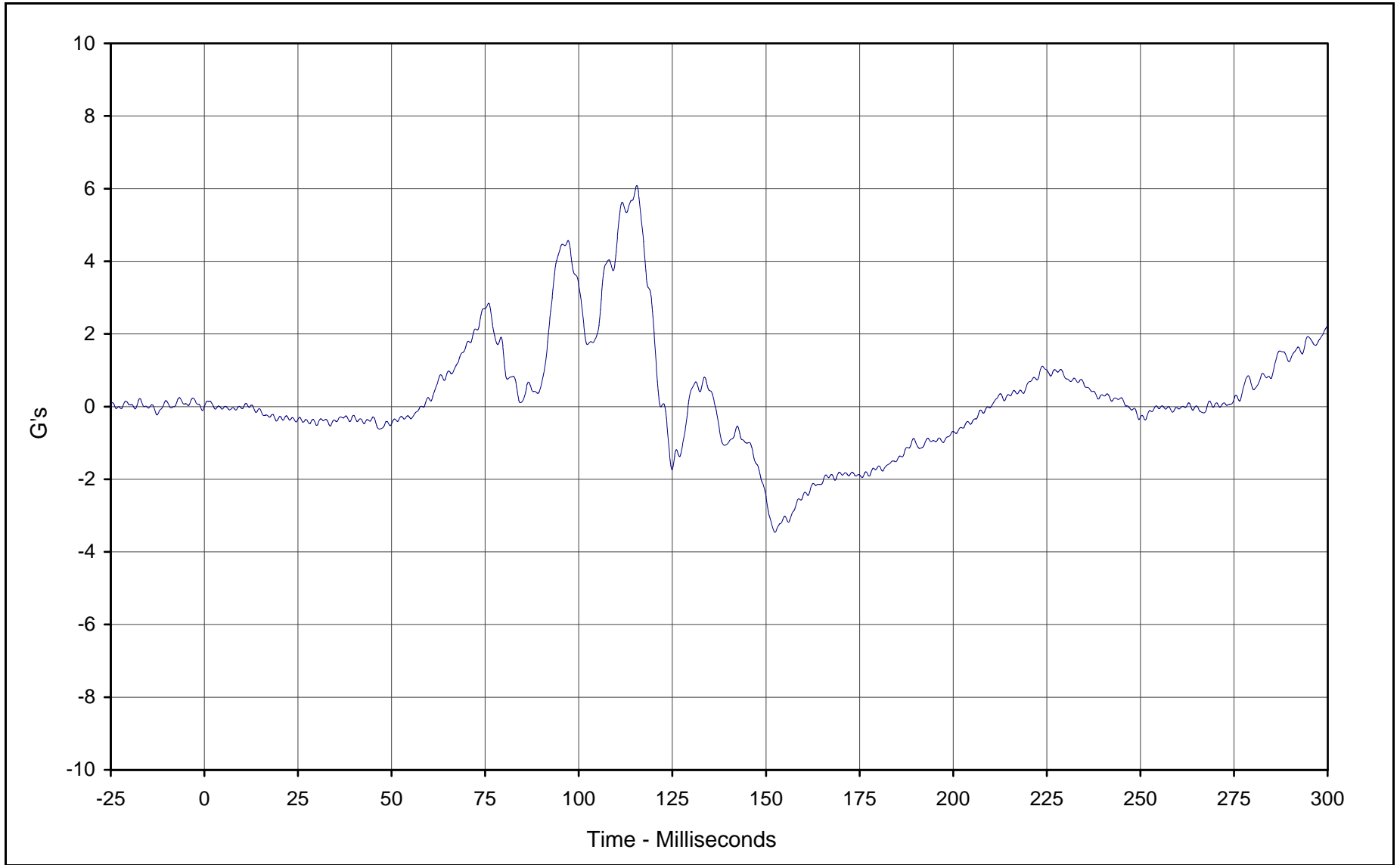


Curve Description: Passenger Chest Primary Y  
Maximum Value: 15.3 at 125.1 Milliseconds  
Minimum Value: -3.2 at 206.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-058

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

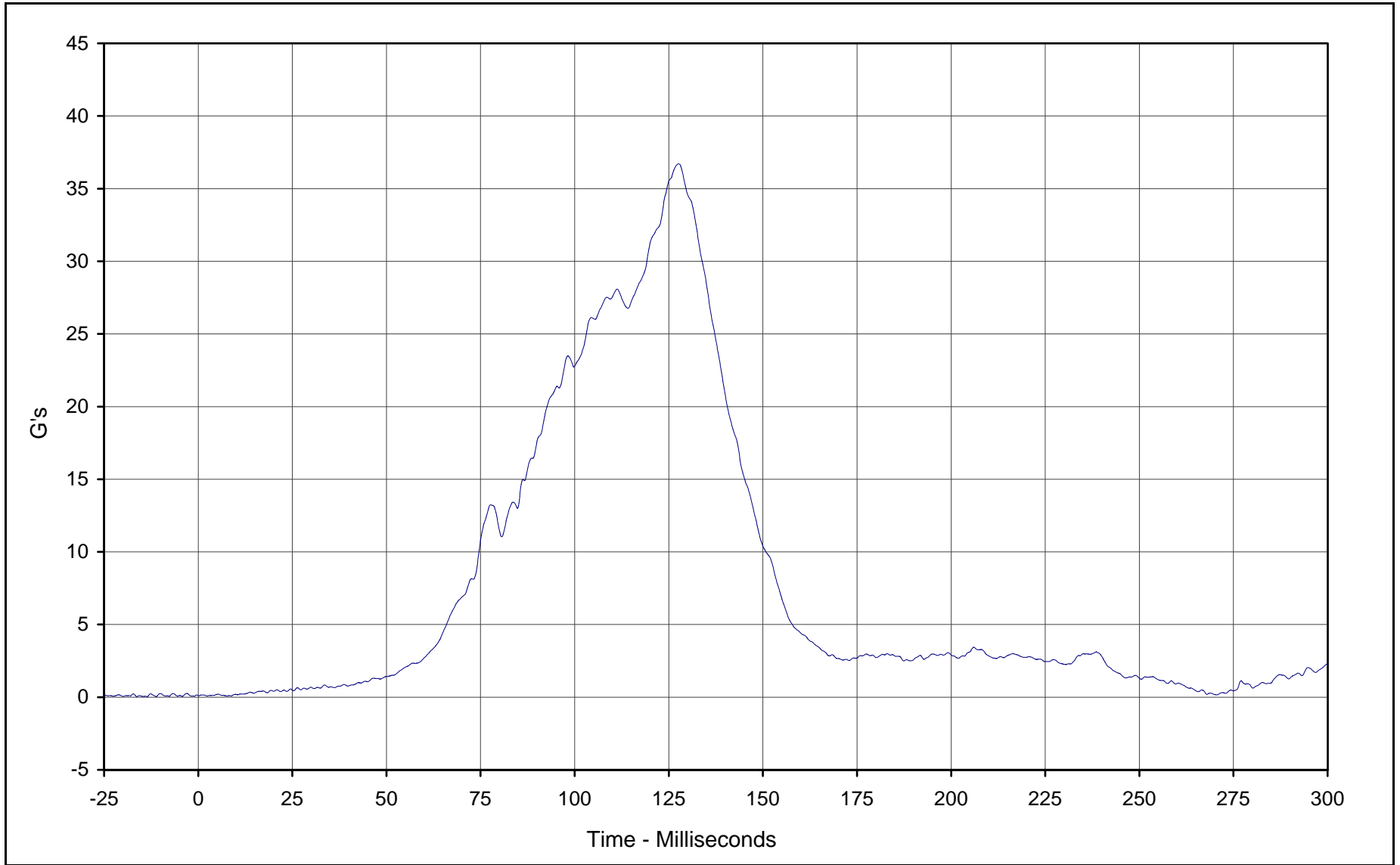


Curve Description: Passenger Chest Primary Z  
Maximum Value: 6.1 at 115.5 Milliseconds  
Minimum Value: -3.5 at 152.4 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-059

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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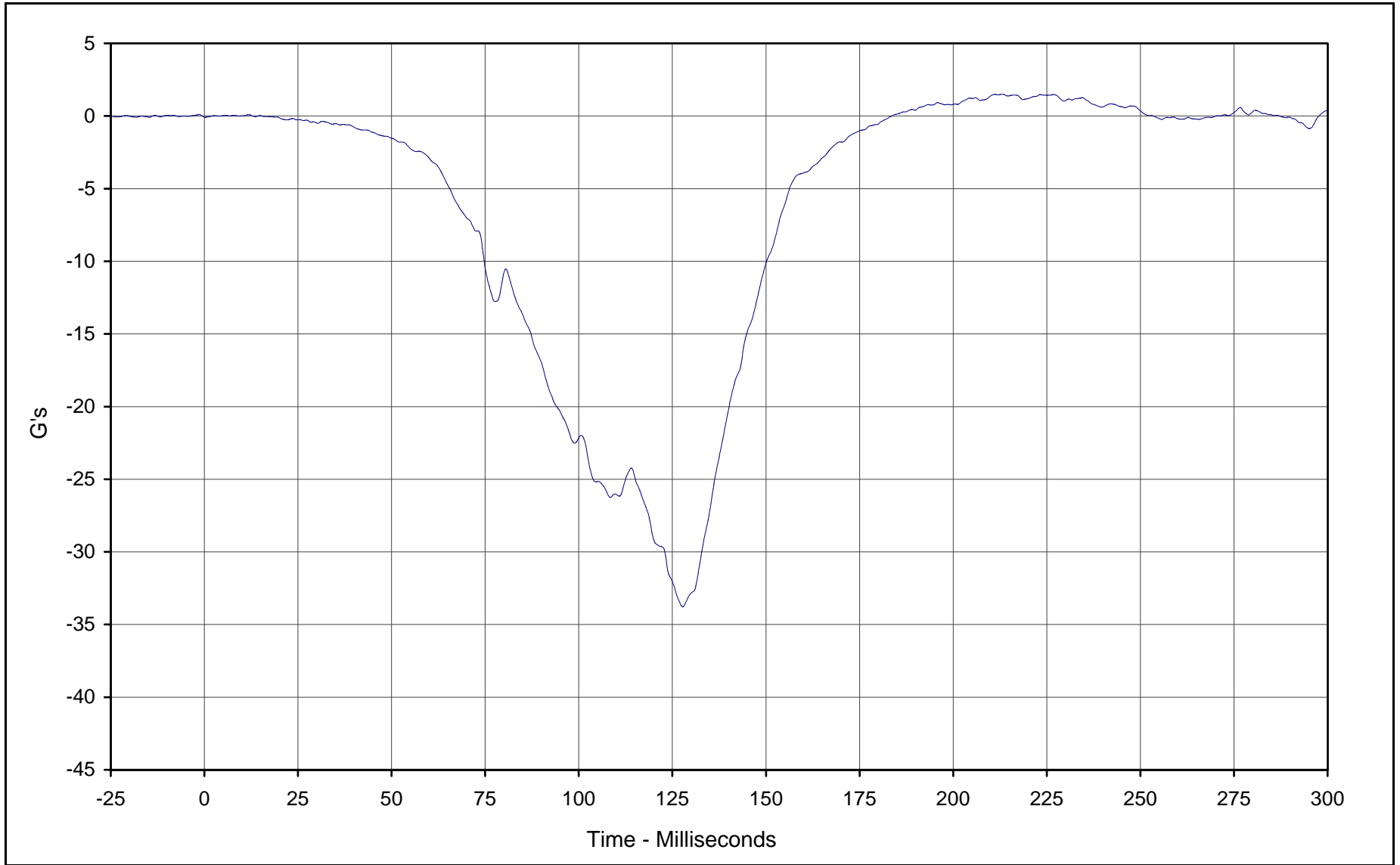


Curve Description: Passenger Chest Resultant Primary  
Maximum Value: 36.7 at 127.6 Milliseconds  
Minimum Value: 0.1 at 2.4 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: RES-057

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

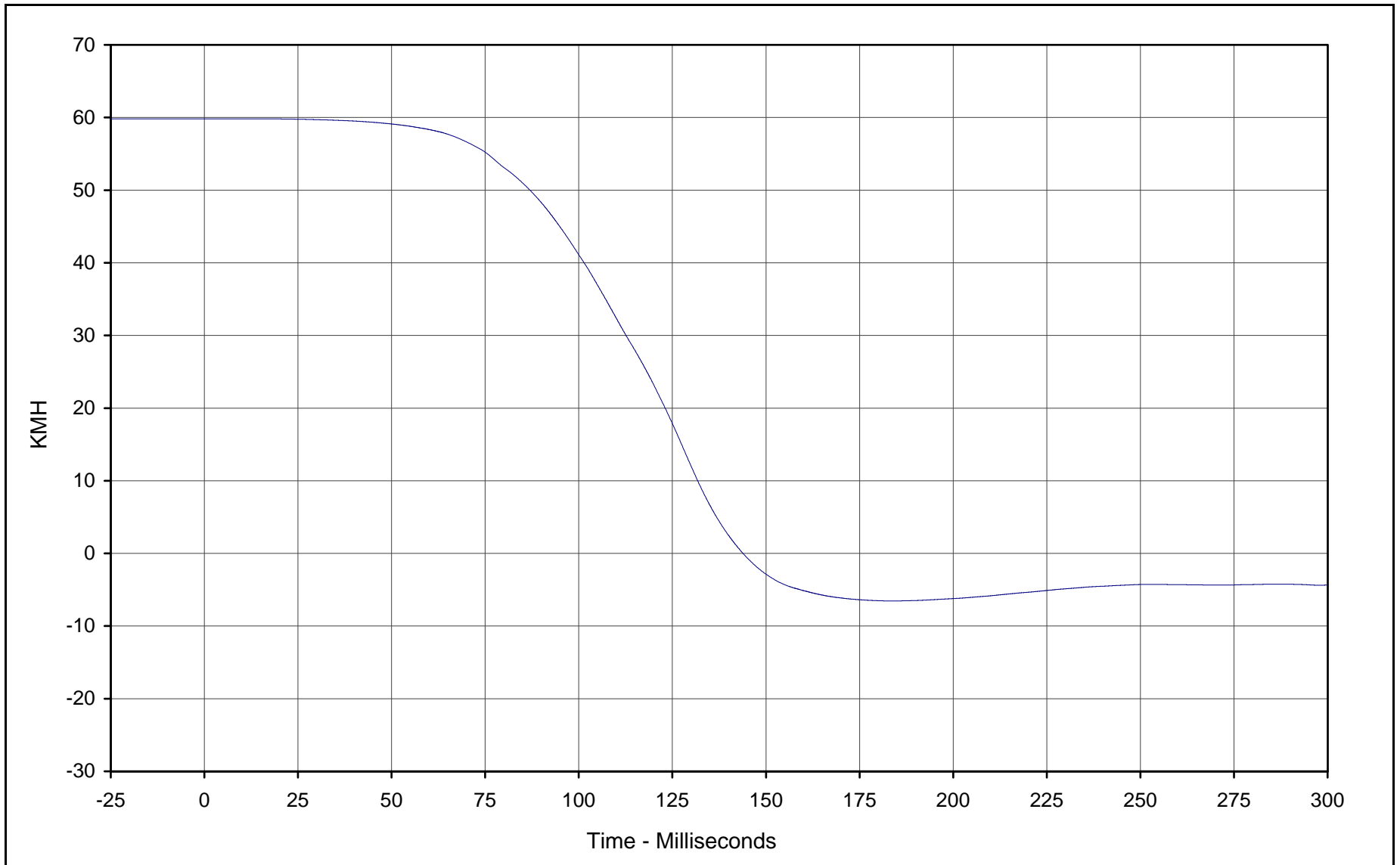


Curve Description: Passenger Chest Redundant X  
Maximum Value: 1.5 at 213.1 Milliseconds  
Minimum Value: -33.8 at 127.8 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-060

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



B-89



Curve Description: Passenger Chest Redundant X Velocity

Maximum Value: 59.8 at 12.9 Milliseconds

Minimum Value: -6.5 at 183.7 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

Curve Number: IN1-060

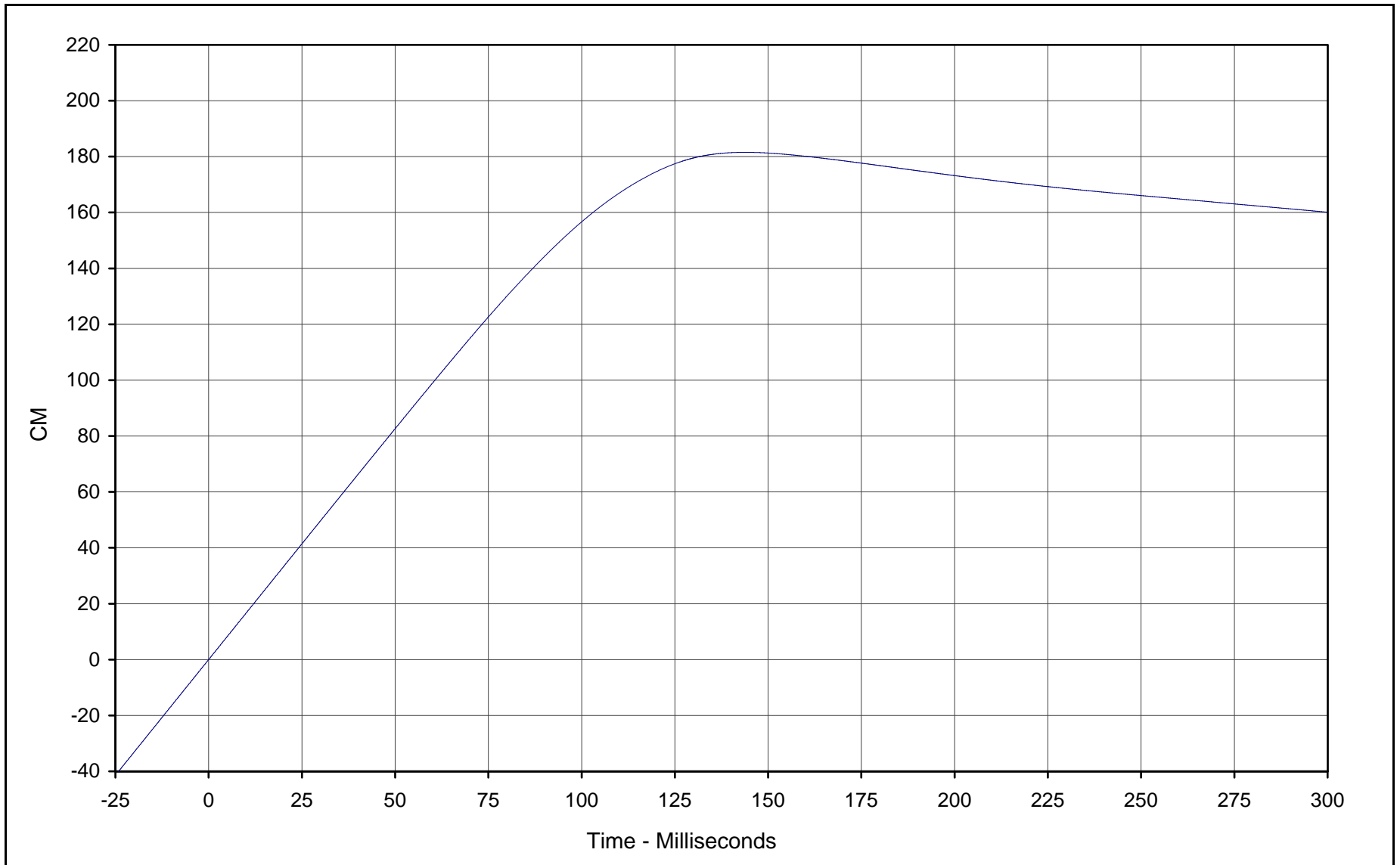
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

KARR20002-02



B-90



Curve Description: Passenger Chest Redundant X Displ.

Maximum Value: 181.5 at 143.9 Milliseconds

Minimum Value: 0.0 at 0.0 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

Curve Number: IN2-060

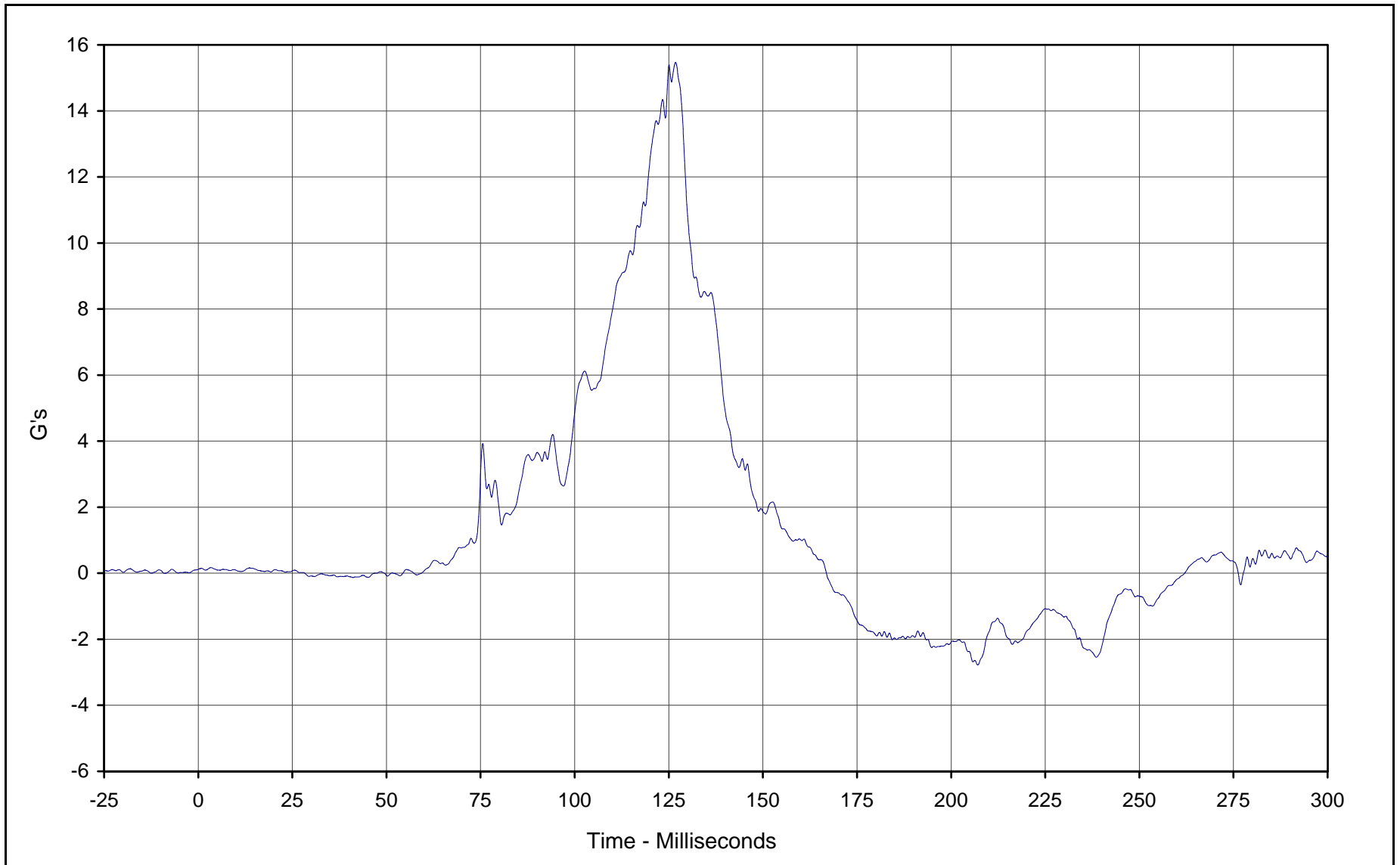
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-91



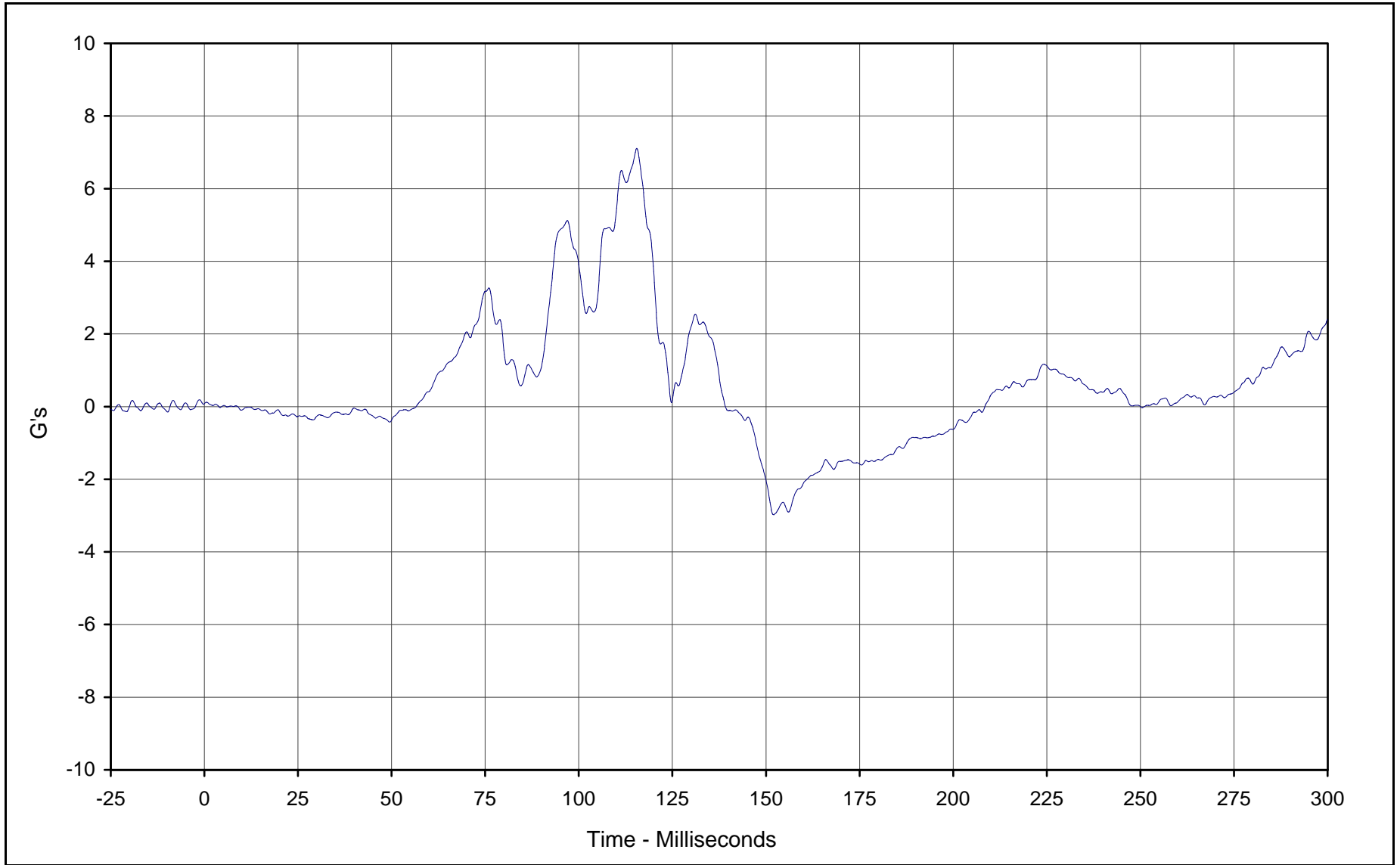
Curve Description: Passenger Chest Redundant Y  
Maximum Value: 15.5 at 126.8 Milliseconds  
Minimum Value: -2.8 at 207.1 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-061

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-92

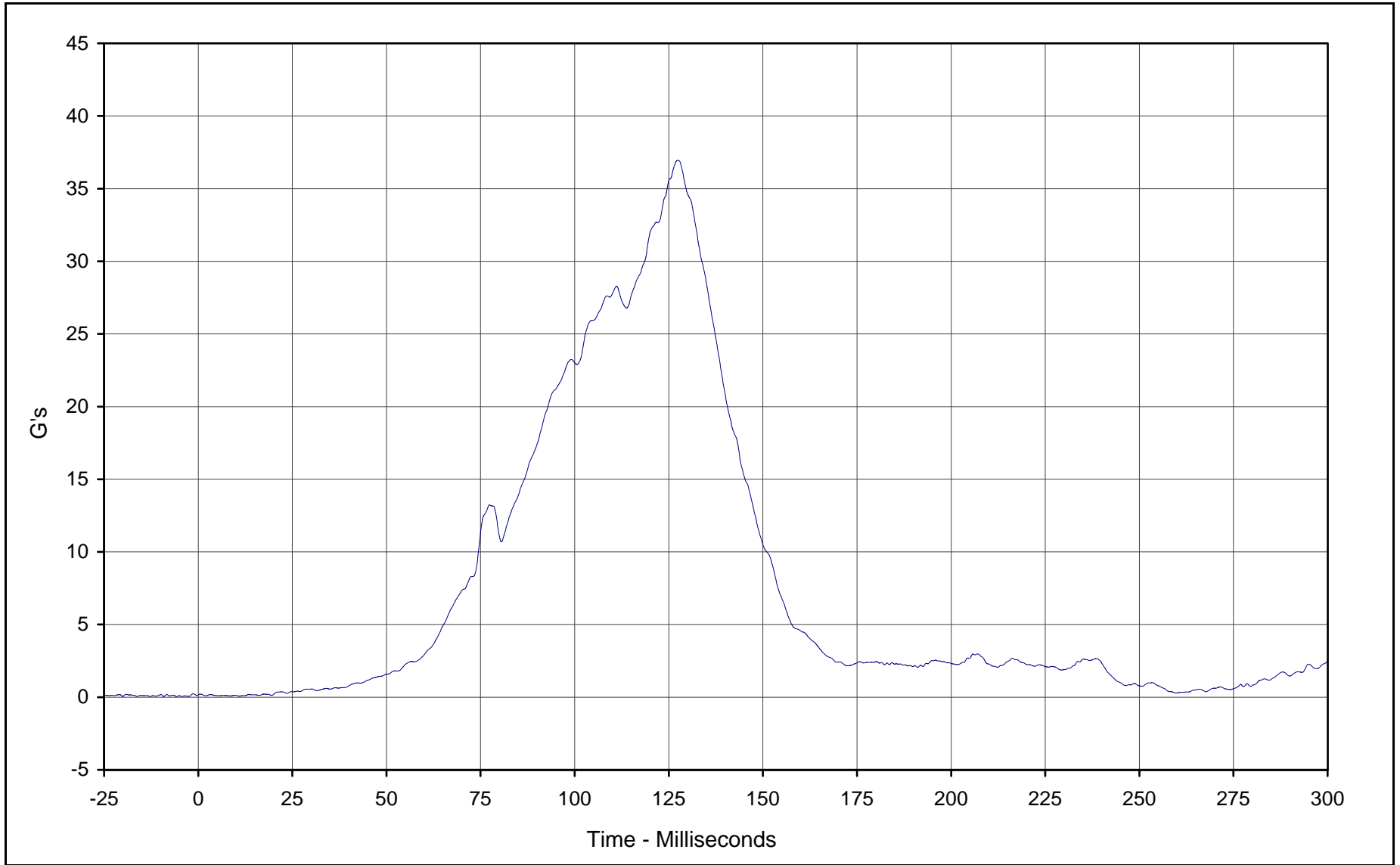


Curve Description: Passenger Chest Redundant Z  
Maximum Value: 7.1 at 115.5 Milliseconds  
Minimum Value: -3.0 at 152.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-062

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Passenger Chest Resultant Redundant

Maximum Value: 37.0 at 127.4 Milliseconds

Minimum Value: 0.1 at 10.9 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

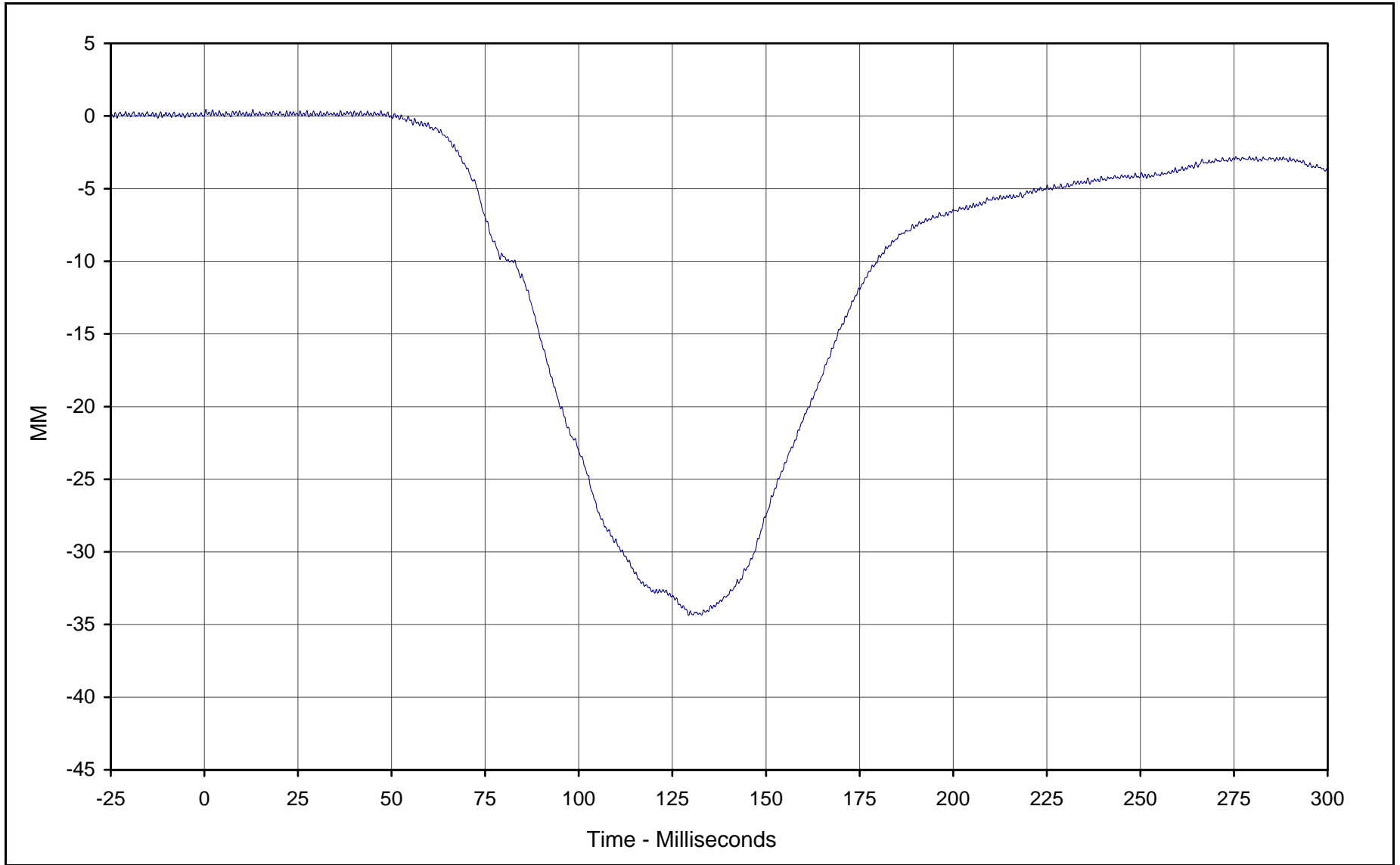
Curve Number: RES-060

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



B-94



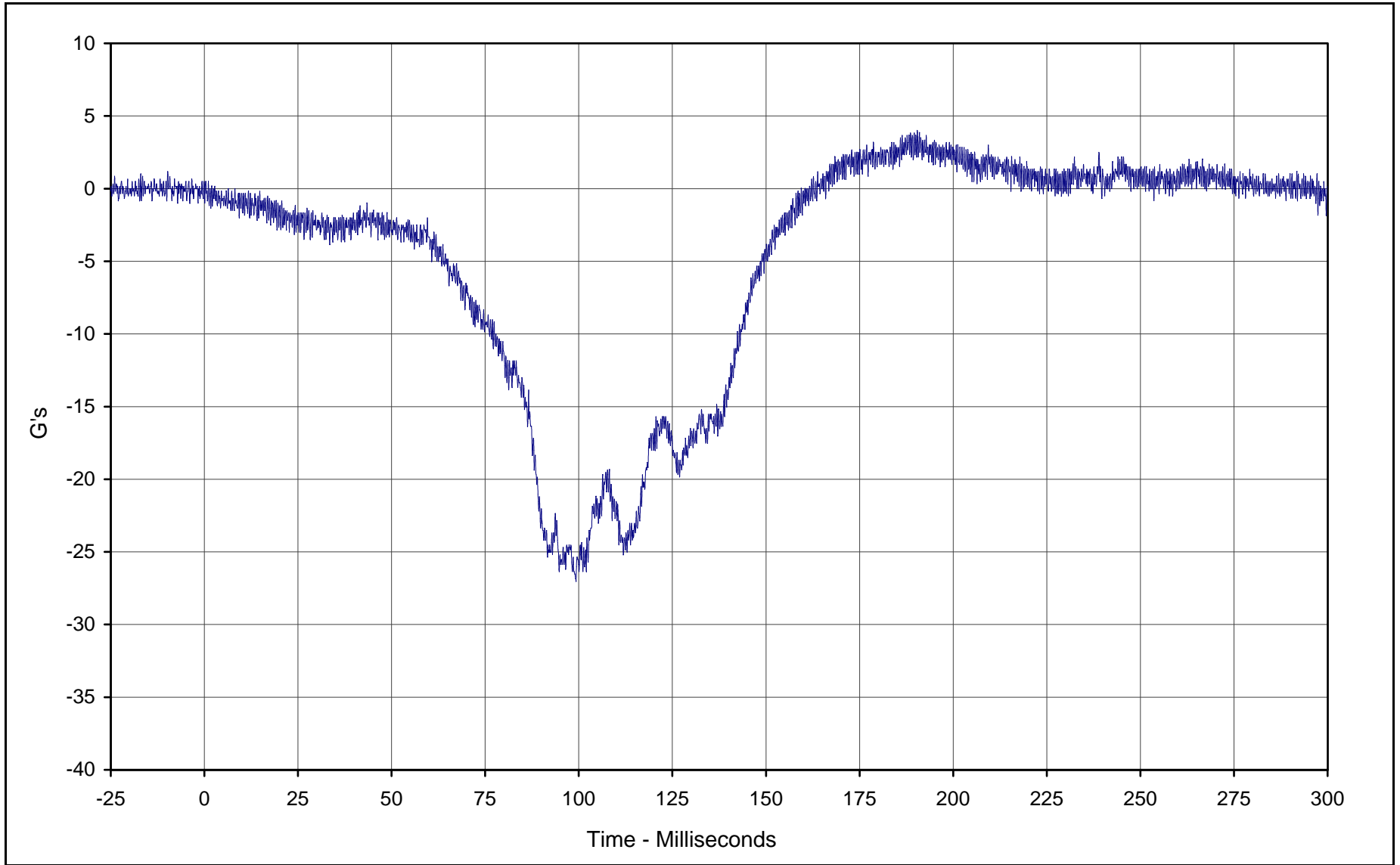
Curve Description: Passenger Chest Displacement X  
Maximum Value: 0.5 at 0.4 Milliseconds  
Minimum Value: -34.4 at 129.3 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-063

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-95



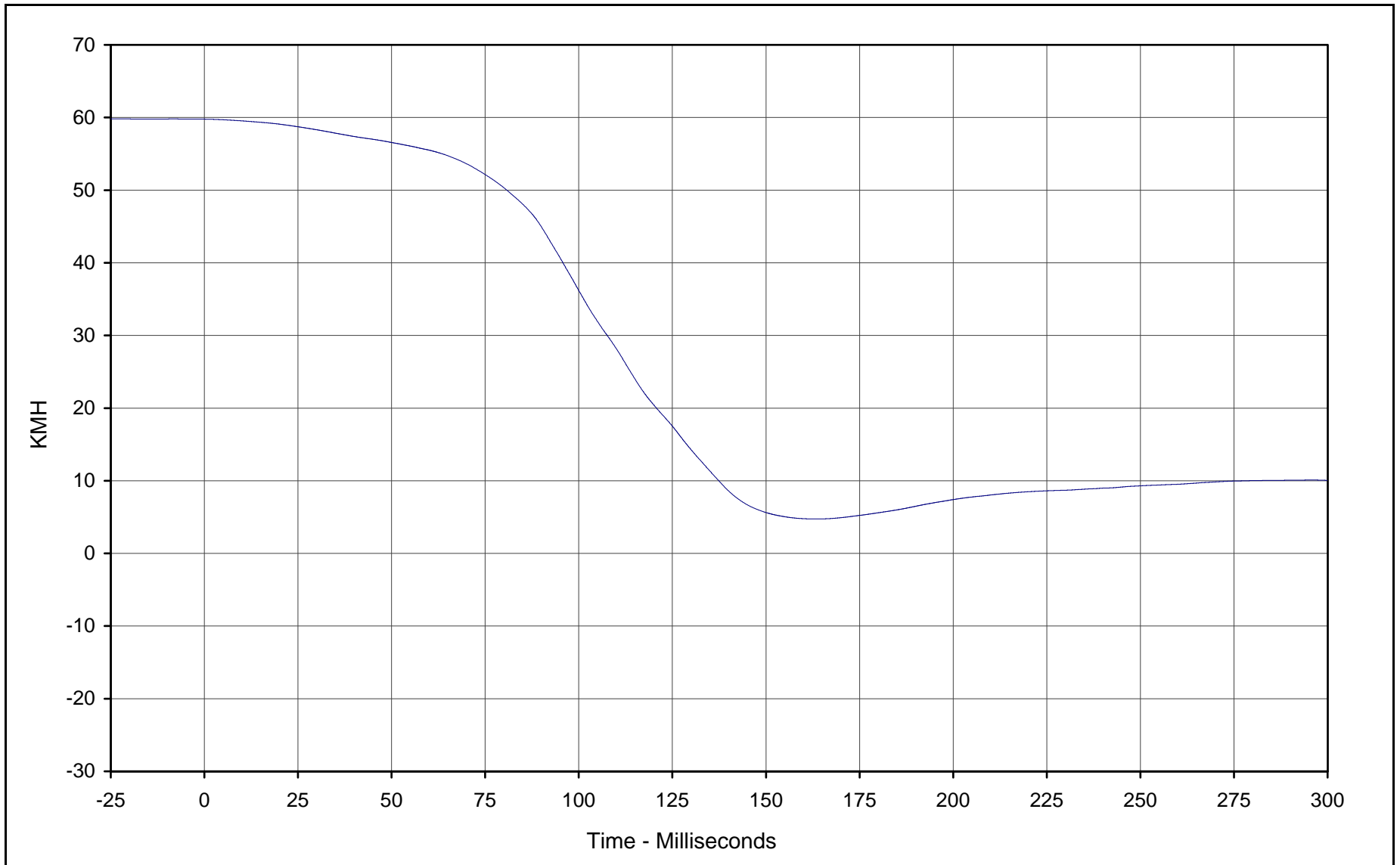
Curve Description: Passenger Pelvis X  
Maximum Value: 4.0 at 190.4 Milliseconds  
Minimum Value: -27.0 at 99.3 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-064

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-96



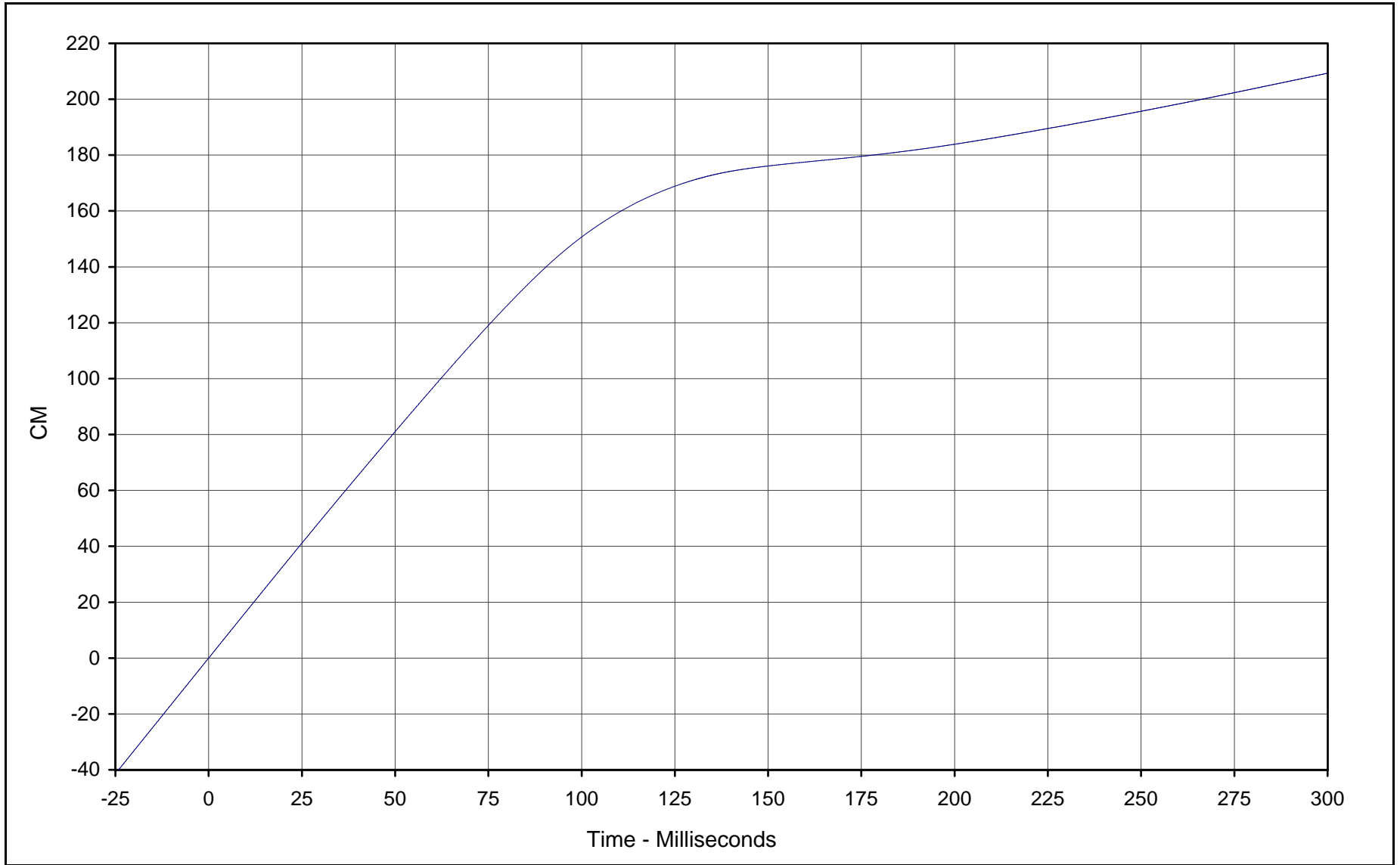
Curve Description: Passenger Pelvis X Velocity  
Maximum Value: 59.8 at 0.0 Milliseconds  
Minimum Value: 4.7 at 163.5 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-064

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-97



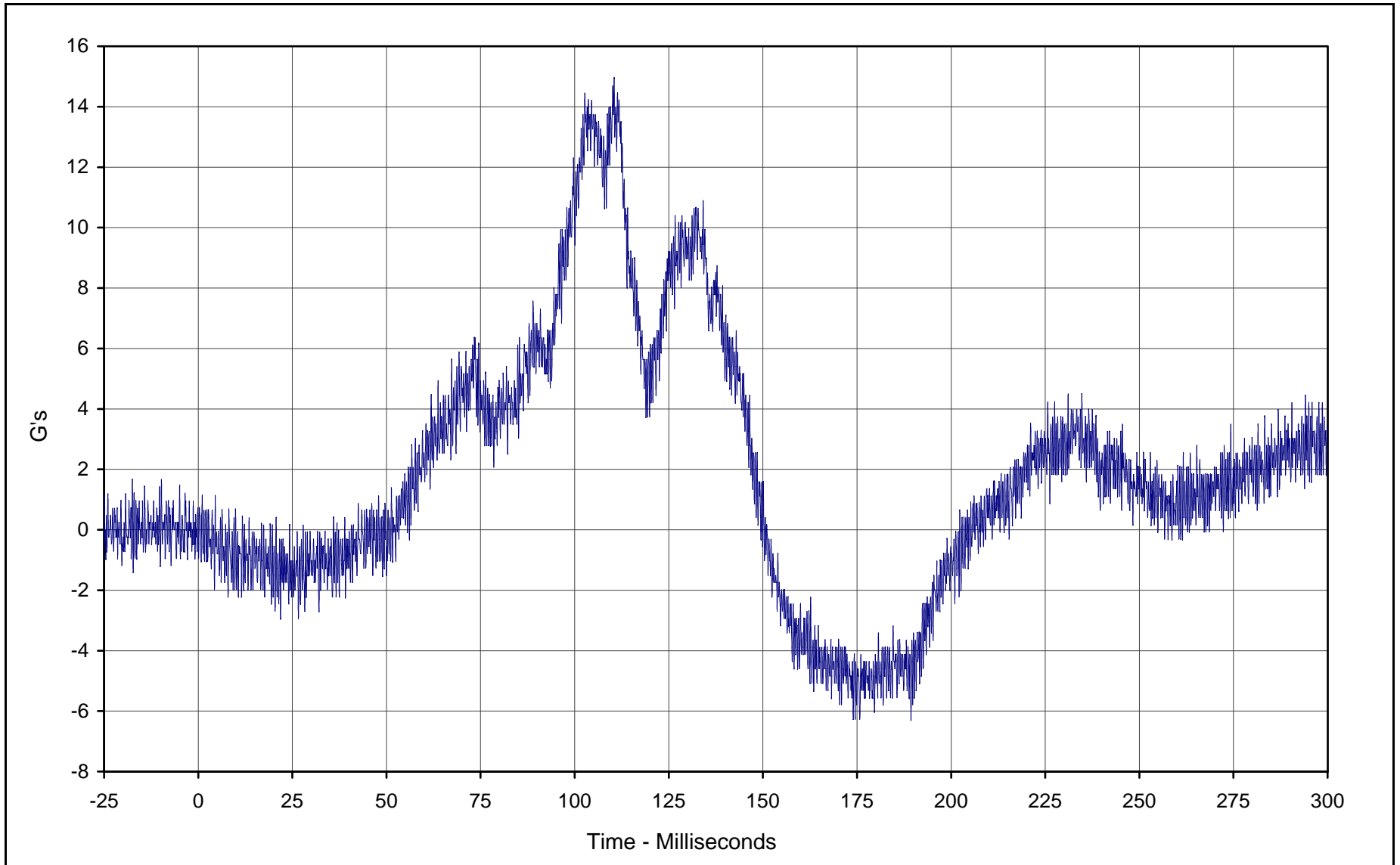
Curve Description: Passenger Pelvis X Displ.  
Maximum Value: 209.3 at 299.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-064

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-98



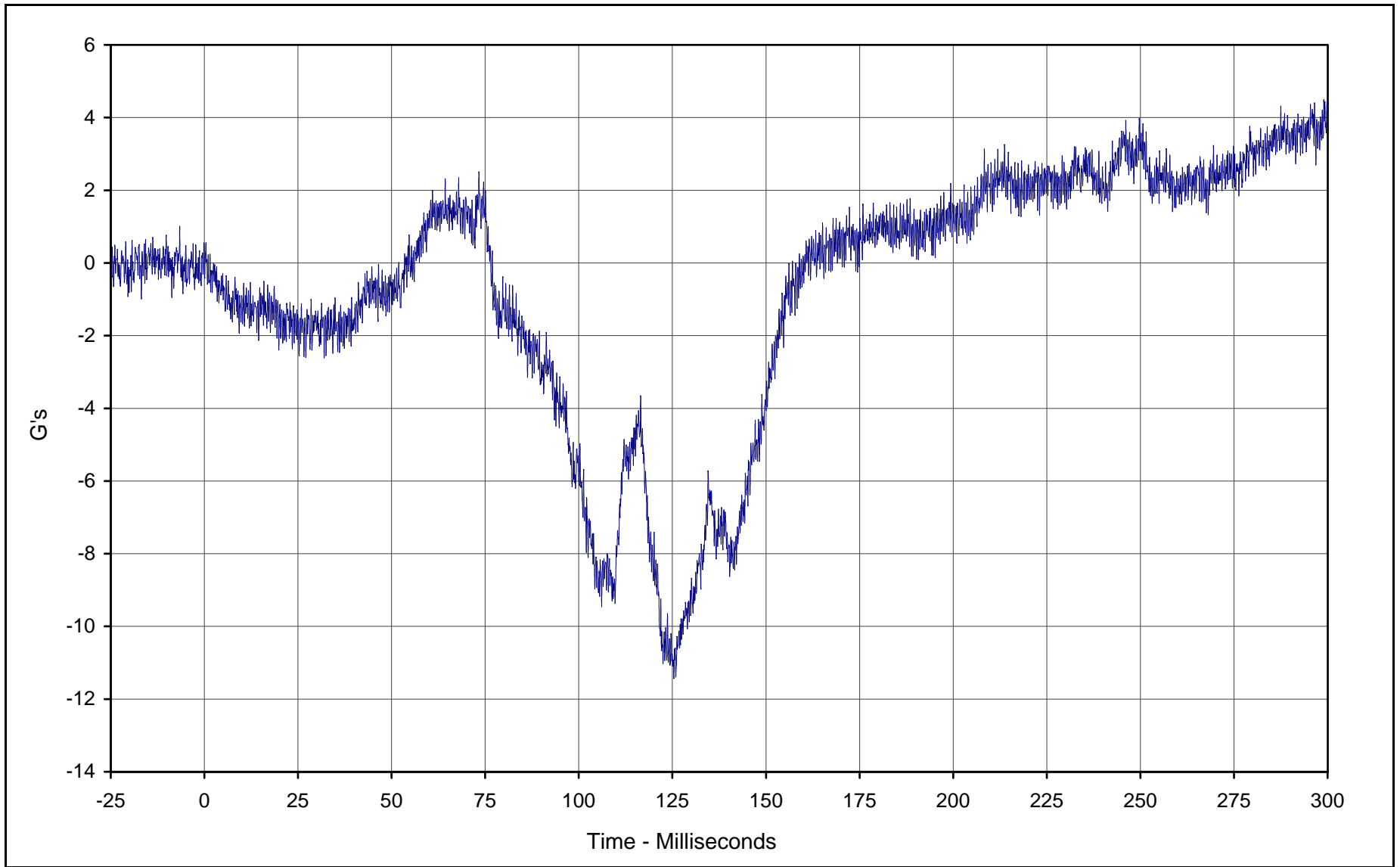
Curve Description: Passenger Pelvis Y  
Maximum Value: 14.9 at 110.5 Milliseconds  
Minimum Value: -6.3 at 174.0 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-065

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-99



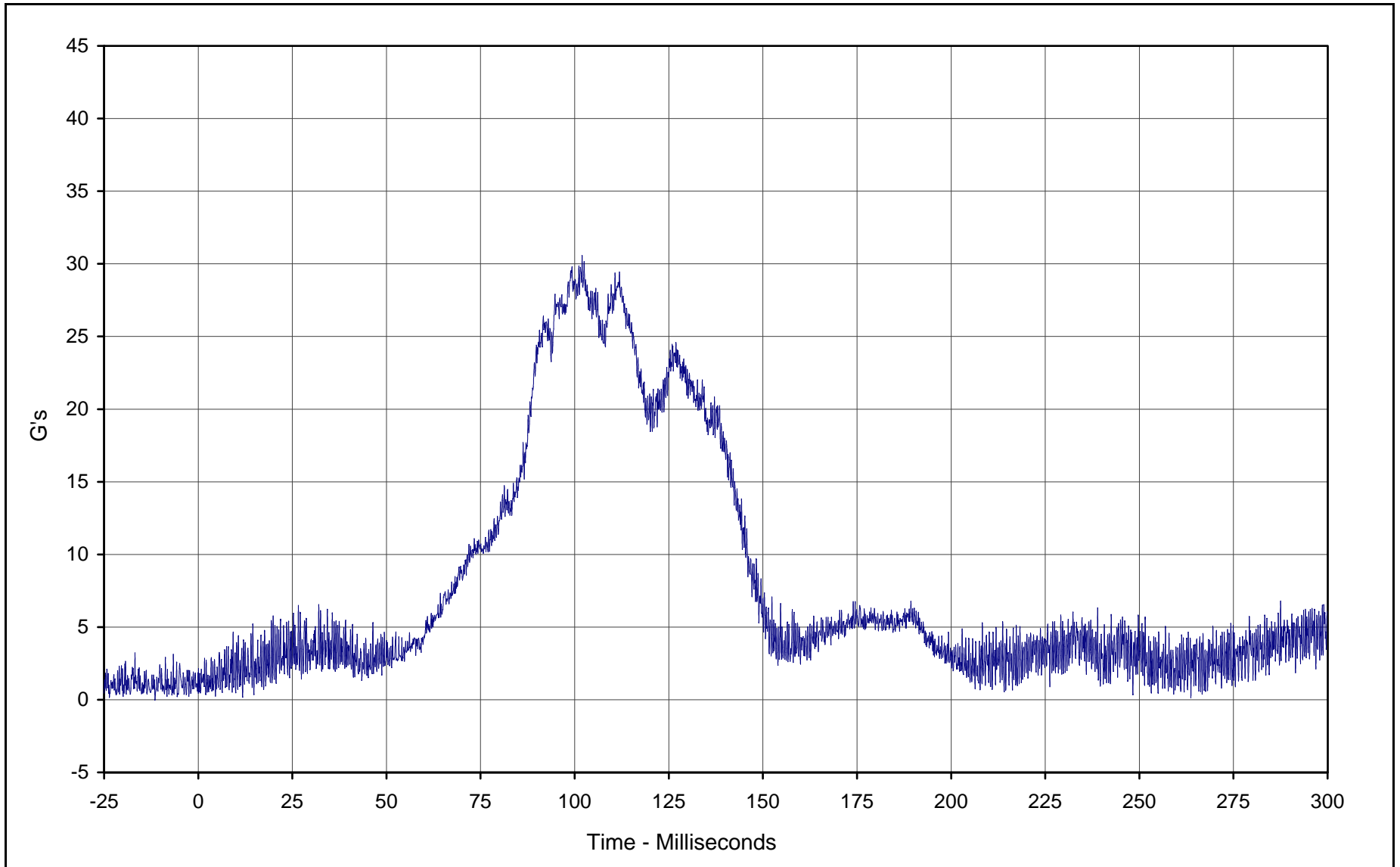
Curve Description: Passenger Pelvis Z  
Maximum Value: 4.5 at 299.0 Milliseconds  
Minimum Value: -11.4 at 125.4 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: FIL-066

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-100



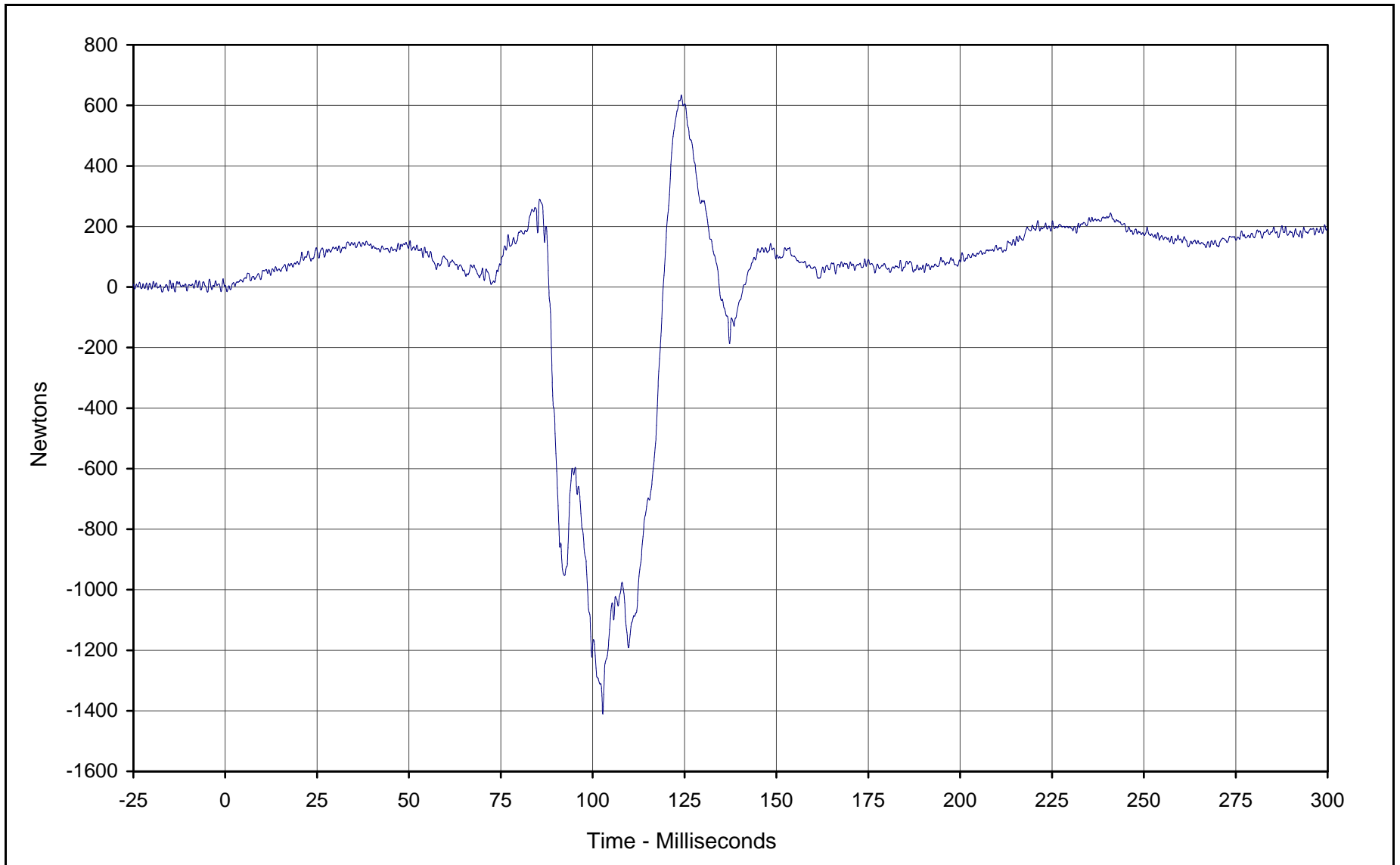
Curve Description: Passenger Pelvis Resultant  
Maximum Value: 30.6 at 102.0 Milliseconds  
Minimum Value: 0.2 at 263.7 Milliseconds  
SAE Filter Class: 1000  
Date of Test: 08/15/00  
Curve Number: RES-064

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KAR20002-02

B-101

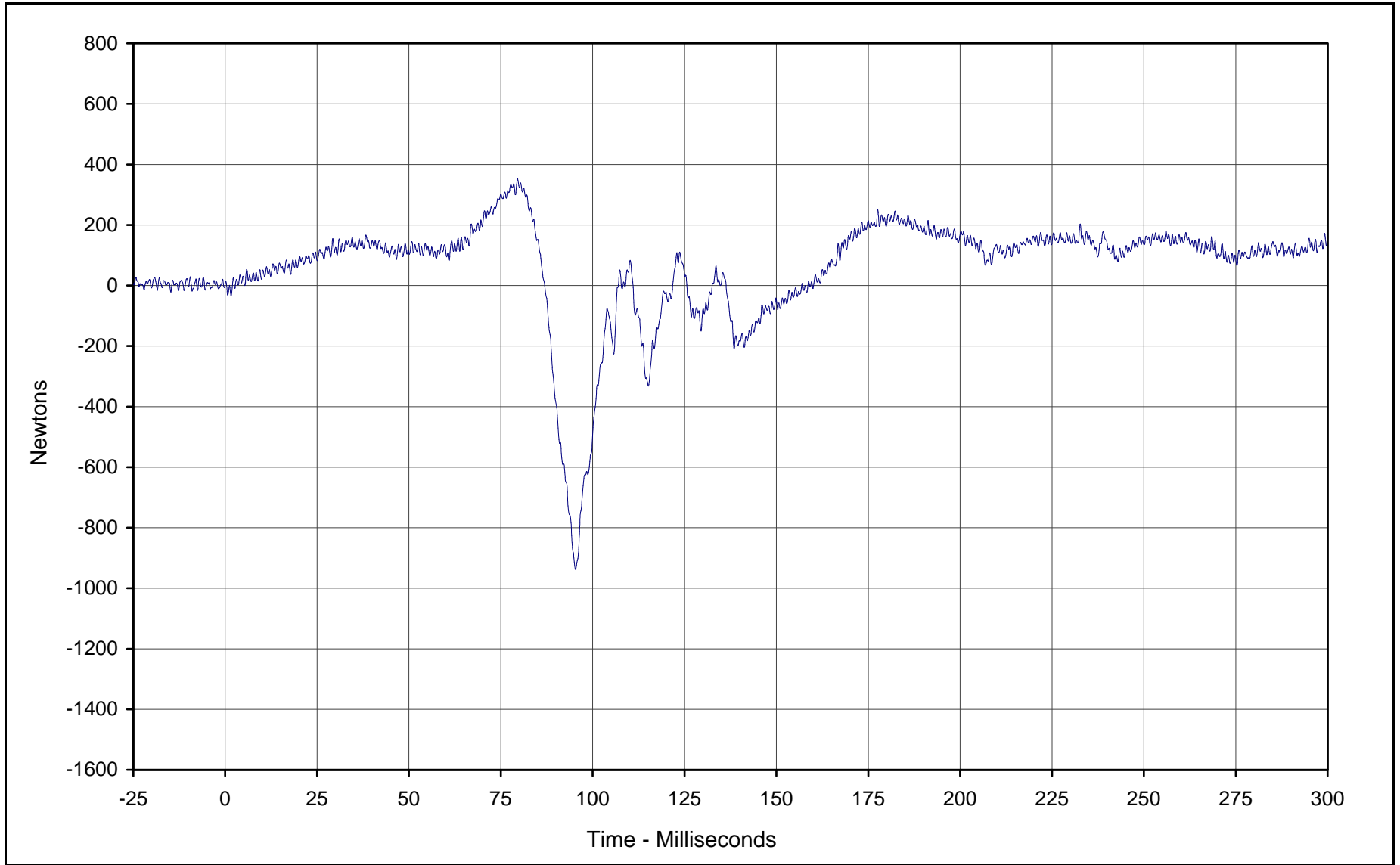


Curve Description: Passenger Left Femur Force  
Maximum Value: 633.6 at 124.1 Milliseconds  
Minimum Value: -1410.8 at 102.8 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-067

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

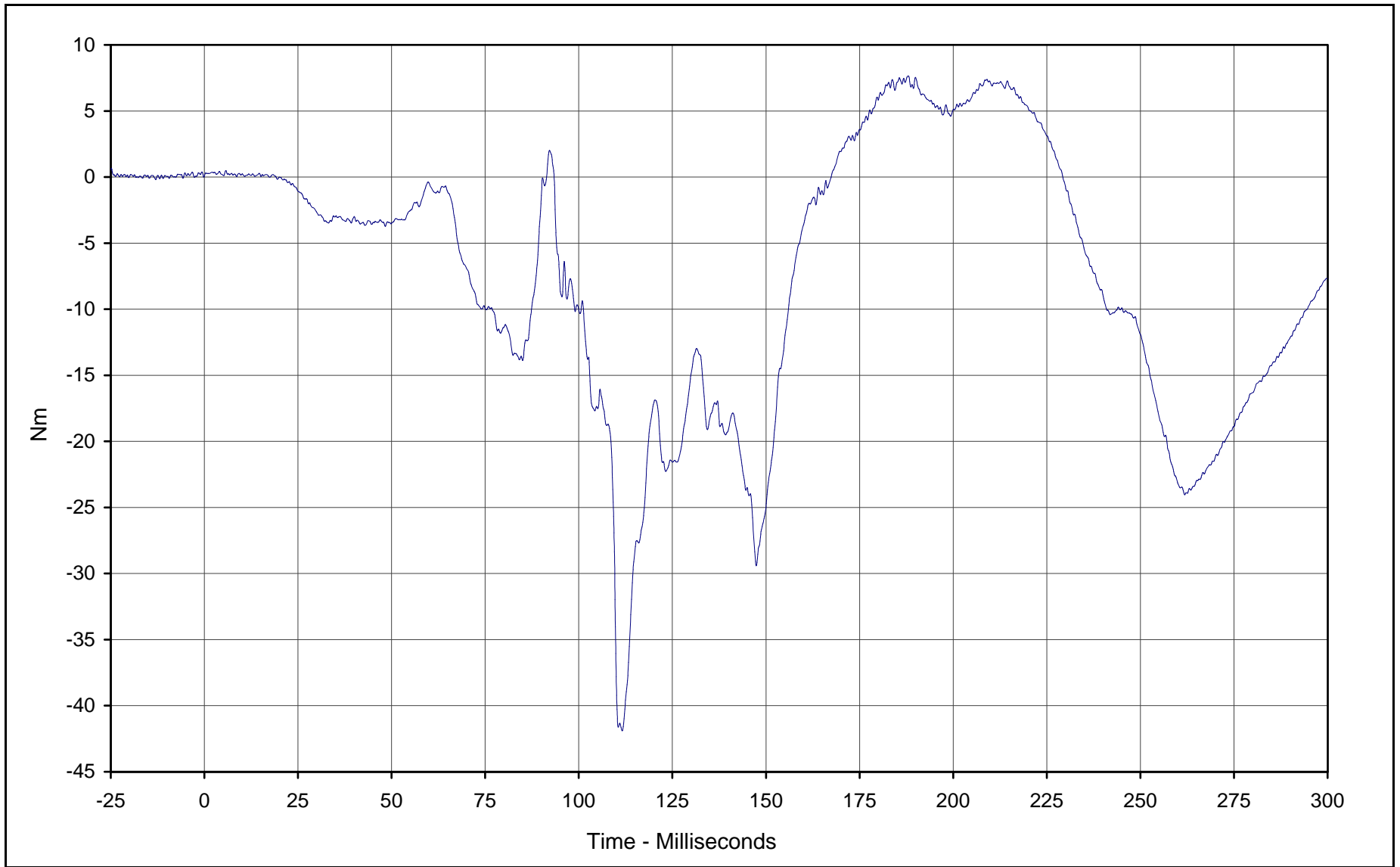


Curve Description: Passenger Right Femur Force  
 Maximum Value: 352.1 at 79.6 Milliseconds  
 Minimum Value: -937.8 at 95.3 Milliseconds  
 SAE Filter Class: 600  
 Date of Test: 08/15/00  
 Curve Number: FIL-068

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



B-103



Curve Description: Passenger Left Upper Tibia Moment X

Maximum Value: 7.7 at 188.0 Milliseconds

Minimum Value: -41.9 at 111.6 Milliseconds

SAE Filter Class: 600

Date of Test: 08/15/00

Curve Number: FIL-069

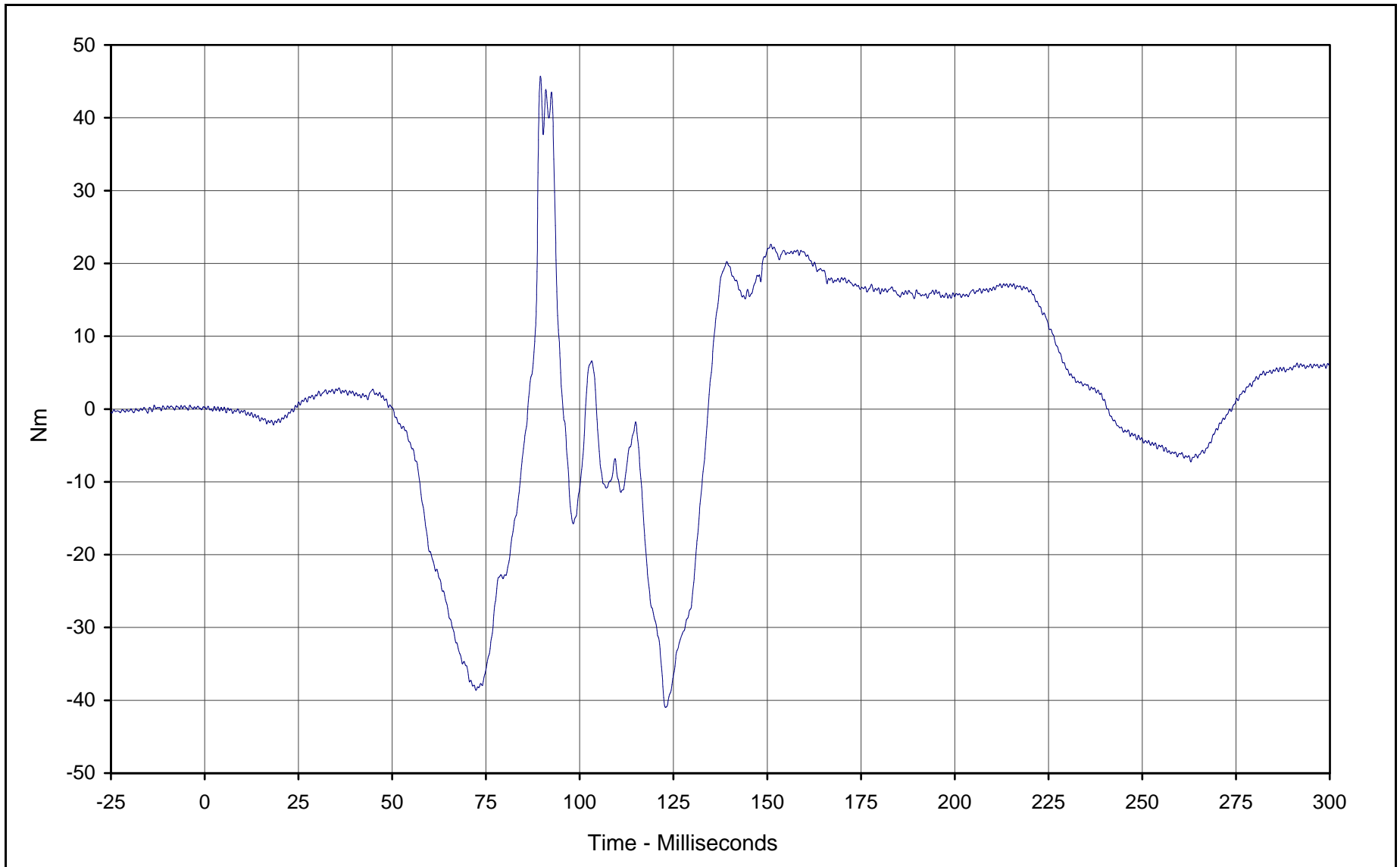
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

KARR20002-02



B-104



Curve Description: Passenger Left Upper Tibia Moment Y

Maximum Value: 45.7 at 89.5 Milliseconds

Minimum Value: -41.0 at 122.9 Milliseconds

SAE Filter Class: 600

Date of Test: 08/15/00

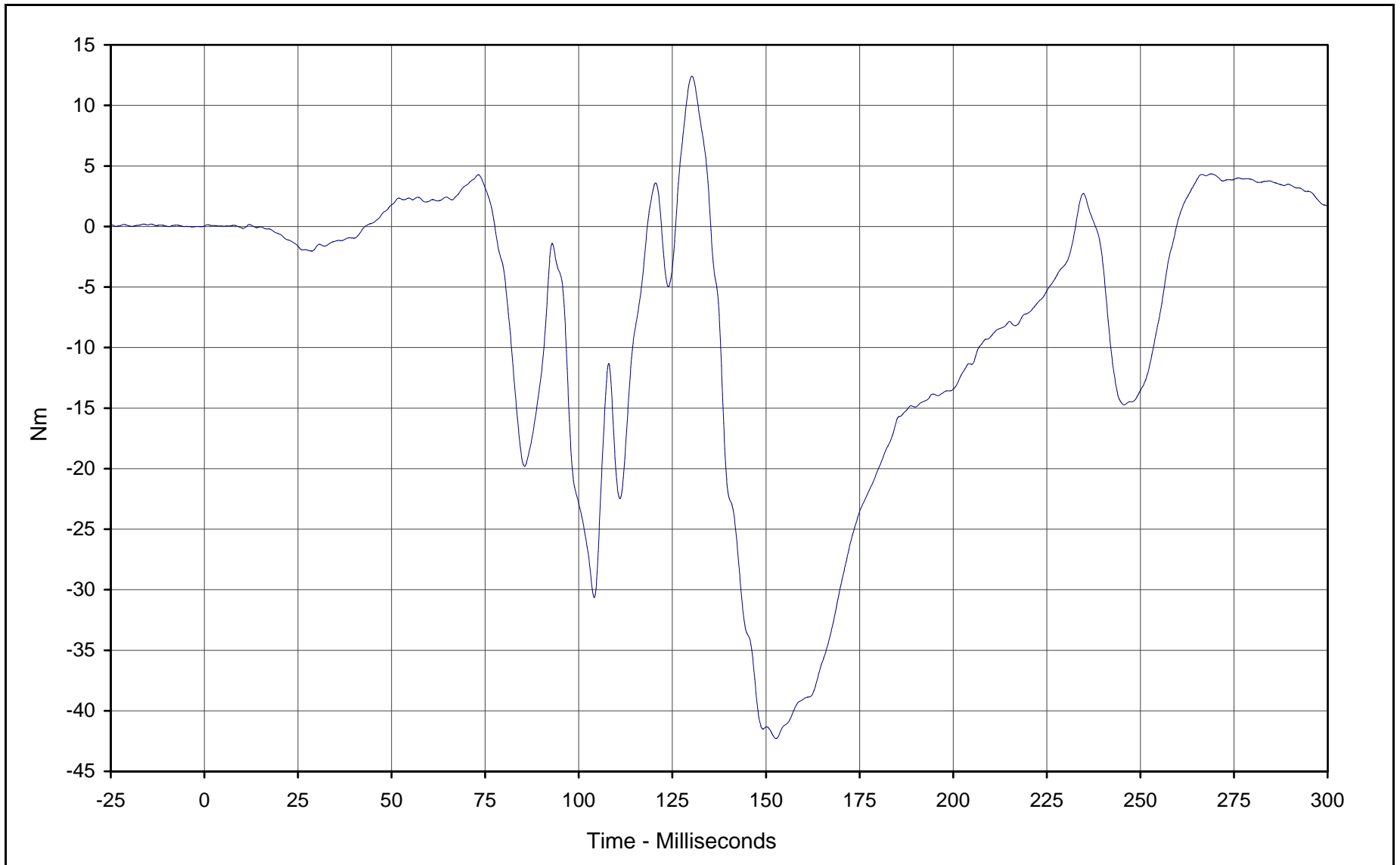
Curve Number: FIL-070

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

KARR20002-02





Curve Description: Passenger Right Upper Tibia Moment X

Maximum Value: 12.4 at 130.2 Milliseconds

Minimum Value: -42.3 at 152.7 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

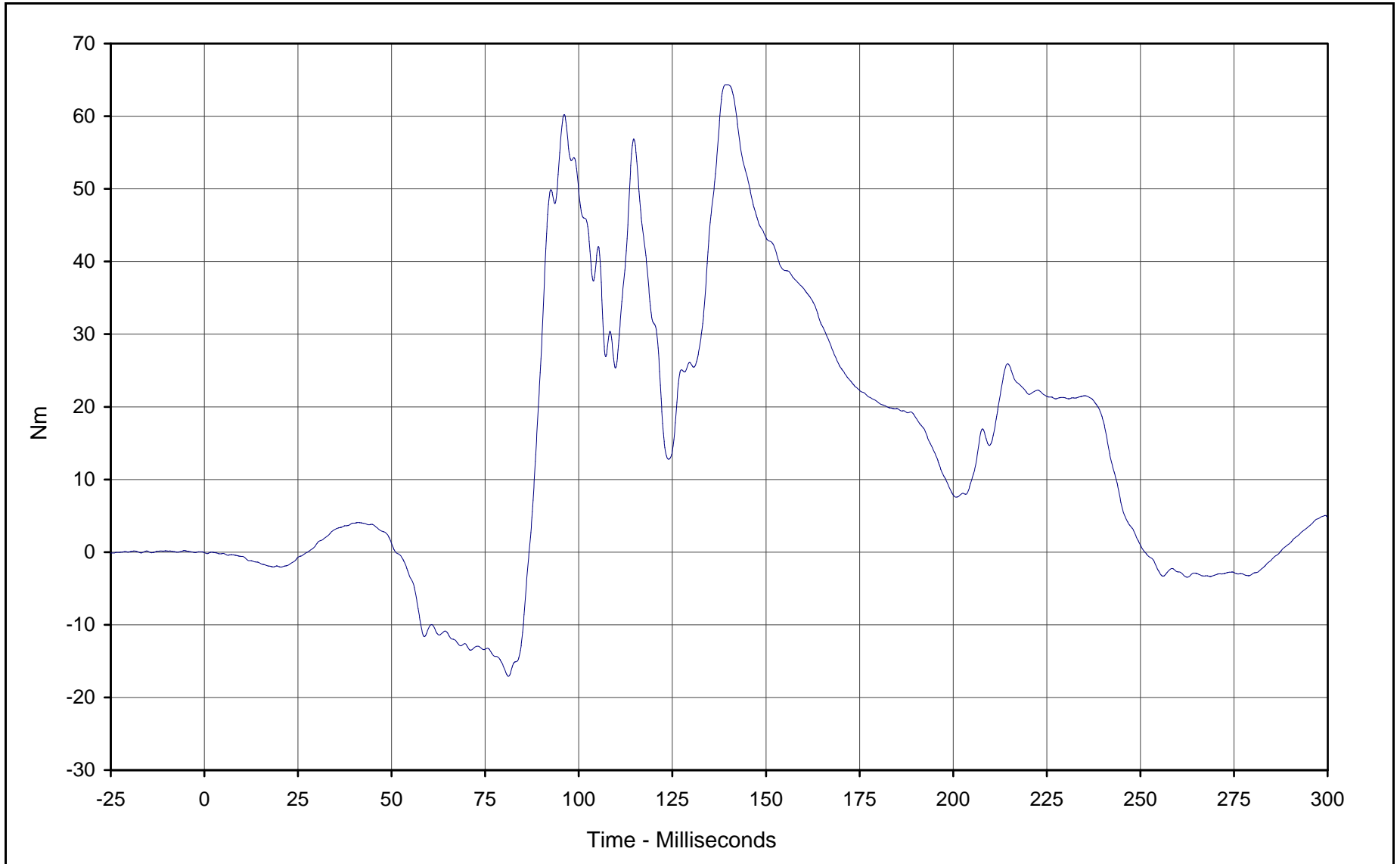
Curve Number: FIL-071

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



B-106



Curve Description: Passenger Right Upper Tibia Moment Y

Maximum Value: 64.3 at 139.2 Milliseconds

Minimum Value: -17.1 at 81.2 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

Curve Number: FIL-072

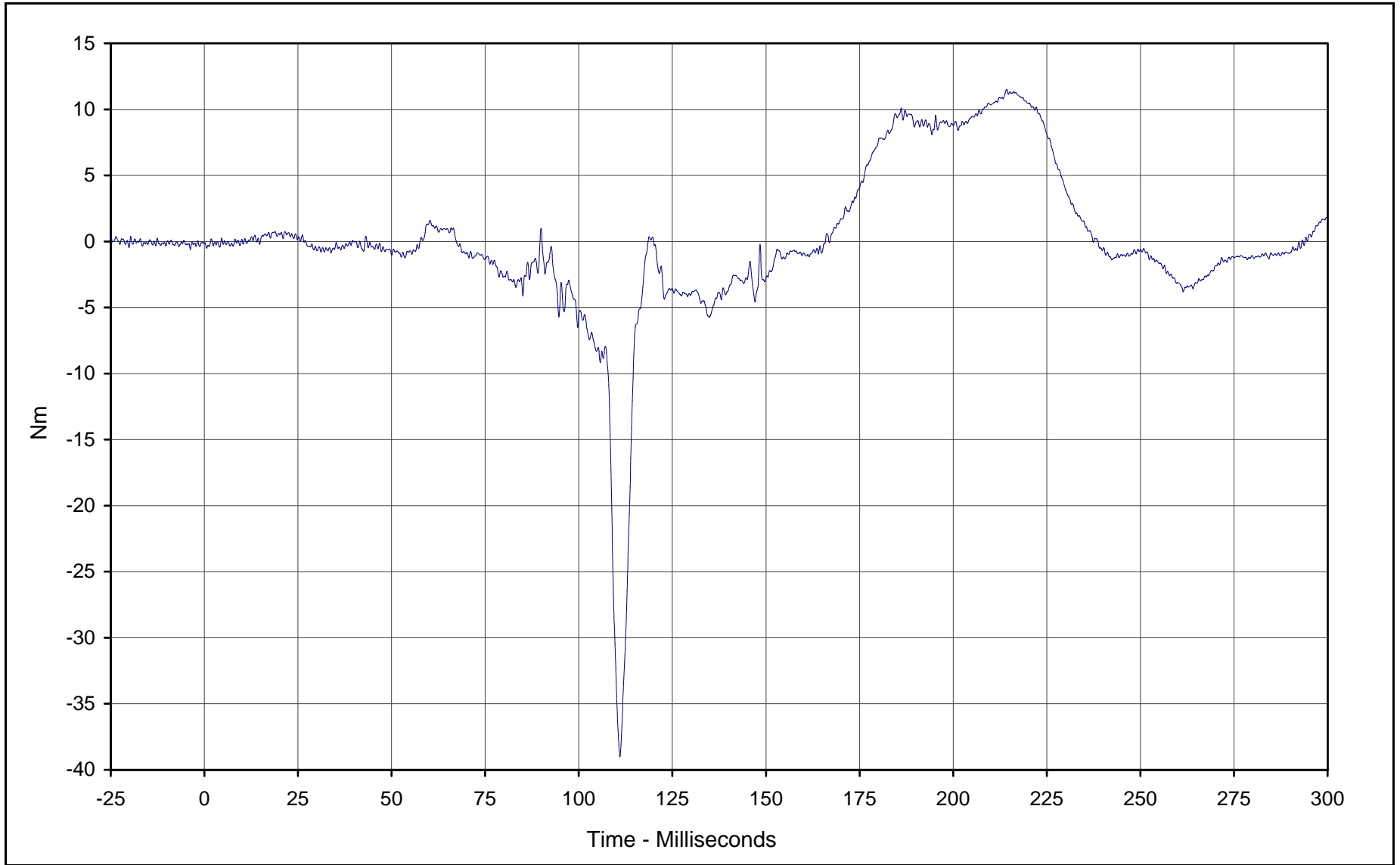
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-107



Curve Description: Passenger Left Lower Tibia Moment X

Maximum Value: 11.5 at 214.3 Milliseconds

Minimum Value: -39.0 at 111.0 Milliseconds

SAE Filter Class: 600

Date of Test: 08/15/00

Curve Number: FIL-073

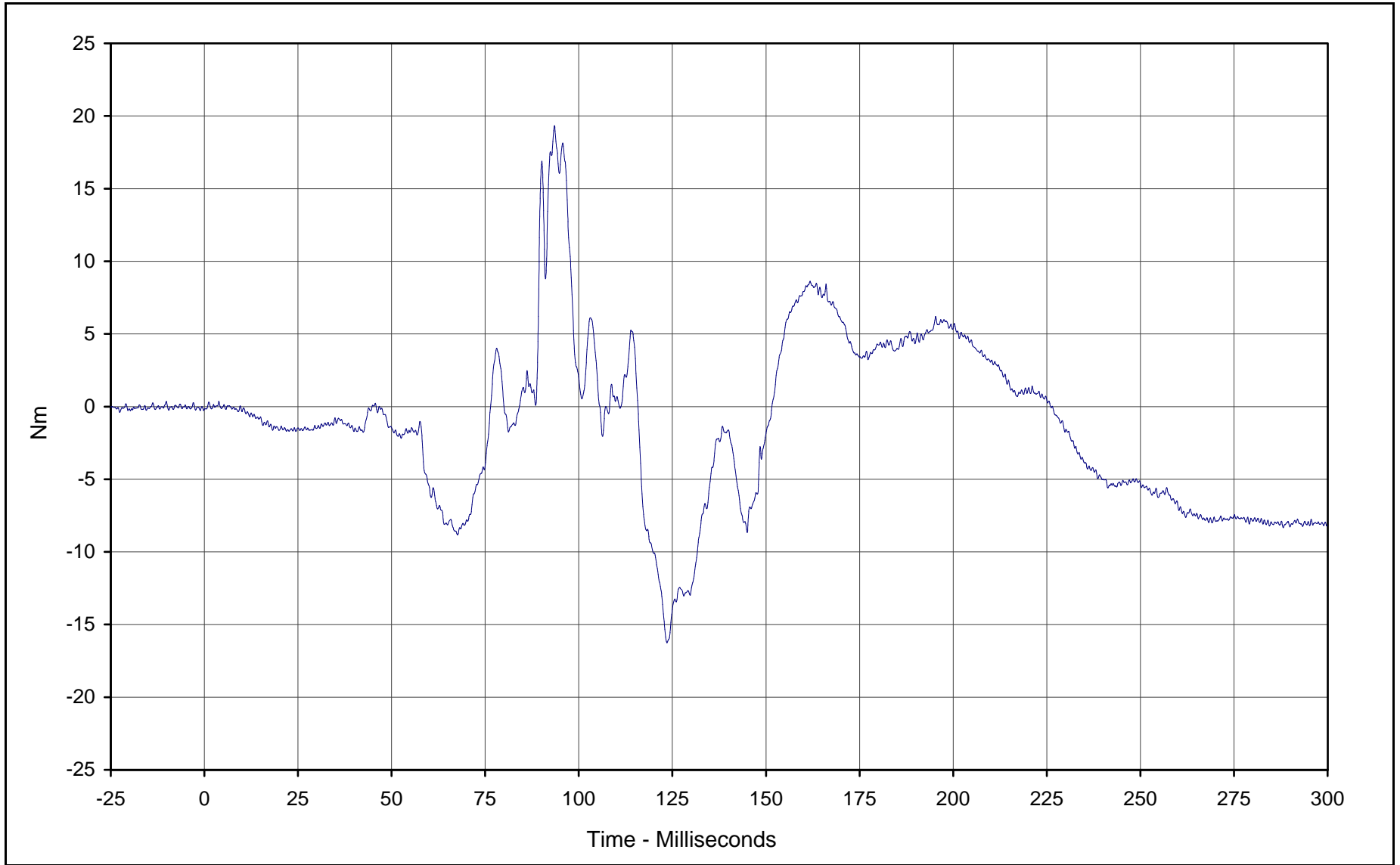
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

KARR20002-02



B-108



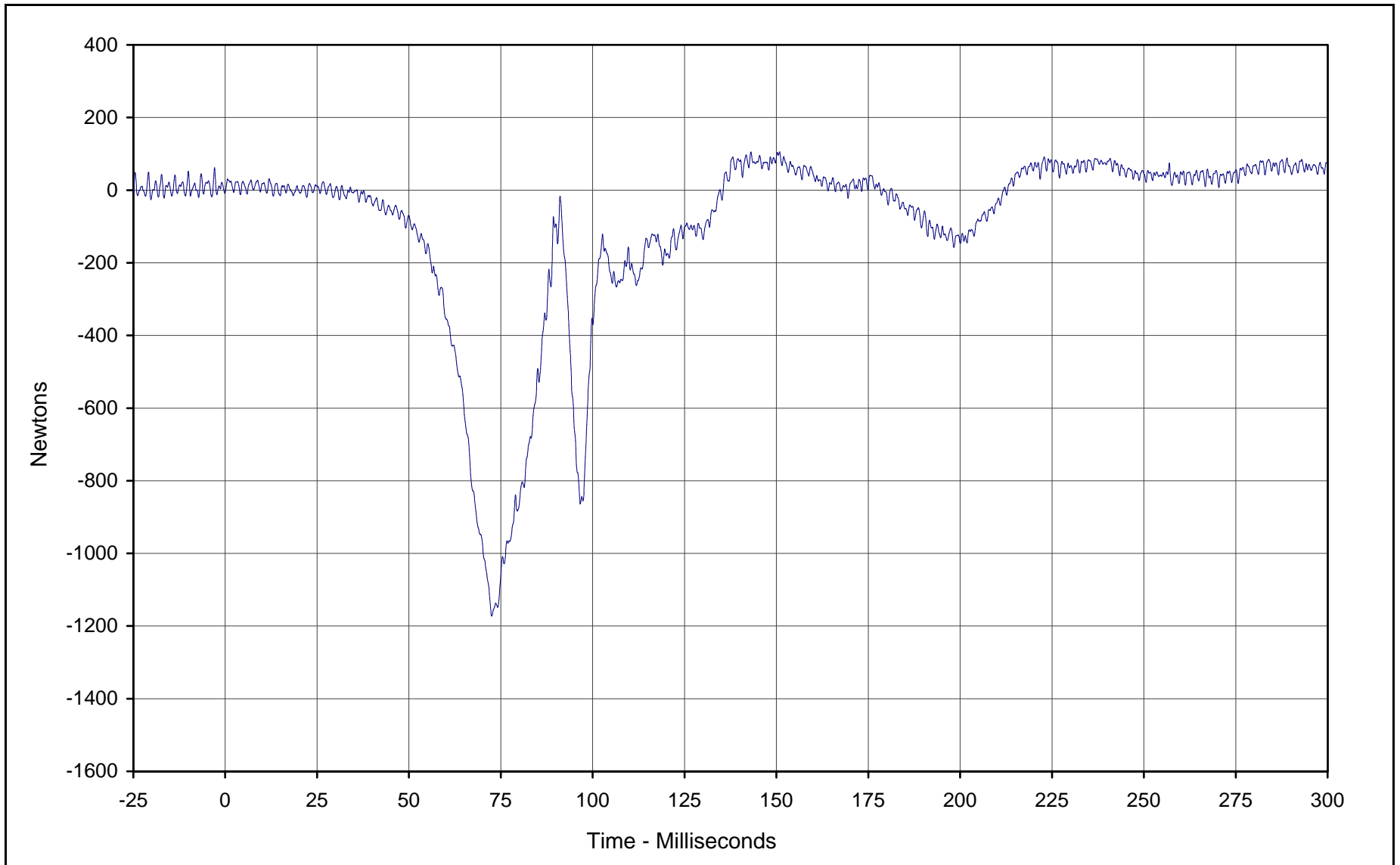
Curve Description: Passenger Left Lower Tibia Moment Y  
Maximum Value: 19.3 at 93.5 Milliseconds  
Minimum Value: -16.3 at 123.6 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-074

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KAR20002-02

B-109



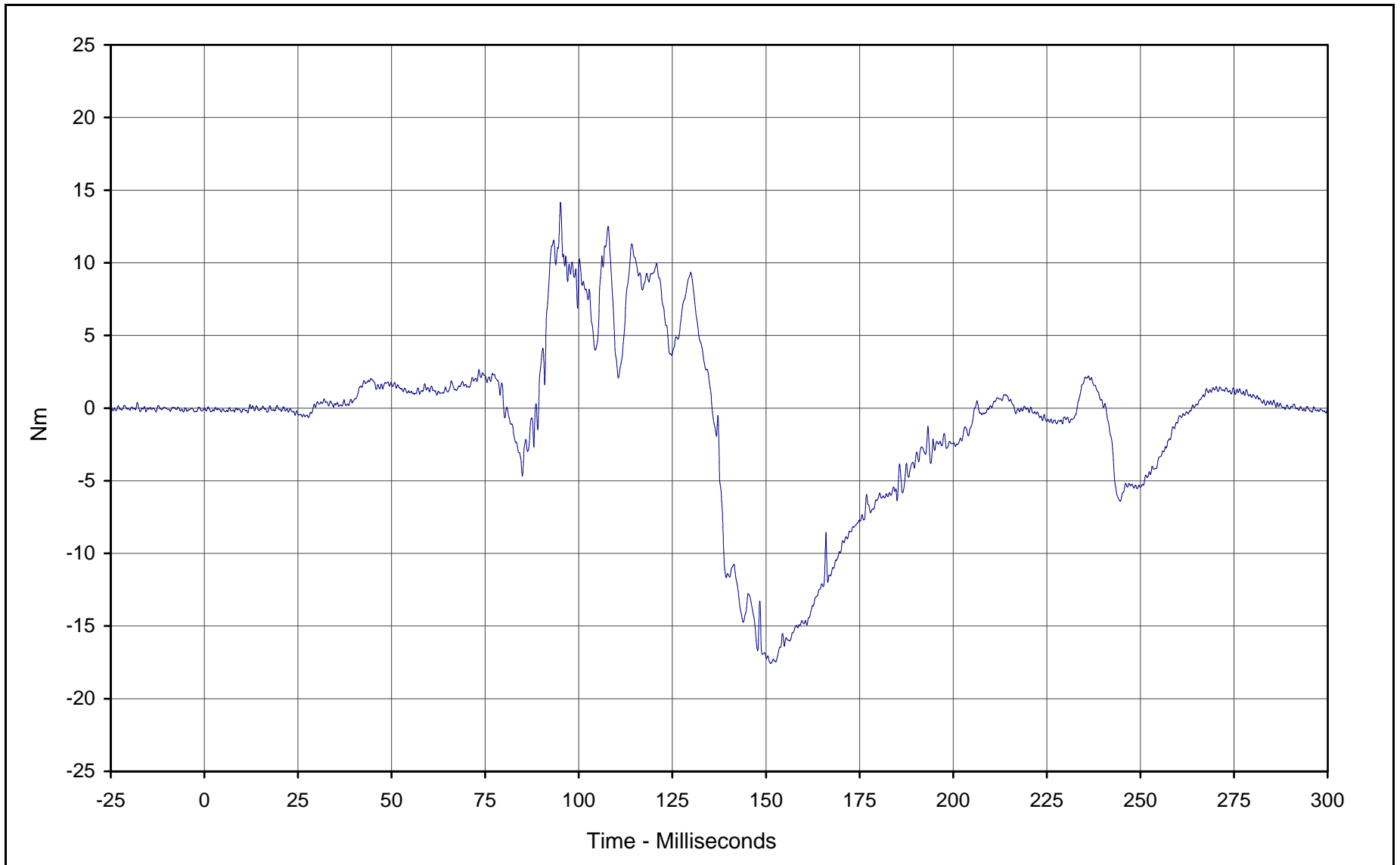
Curve Description: Passenger Left Lower Tibia Force Z  
Maximum Value: 105.1 at 150.9 Milliseconds  
Minimum Value: -1172.7 at 72.5 Milliseconds  
SAE Filter Class: 600  
Date of Test: 08/15/00  
Curve Number: FIL-075

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-110



Curve Description: Passenger Right Lower Tibia Moment X

Maximum Value: 14.2 at 95.1 Milliseconds

Minimum Value: -17.6 at 151.3 Milliseconds

SAE Filter Class: 600

Date of Test: 08/15/00

Curve Number: FIL-076

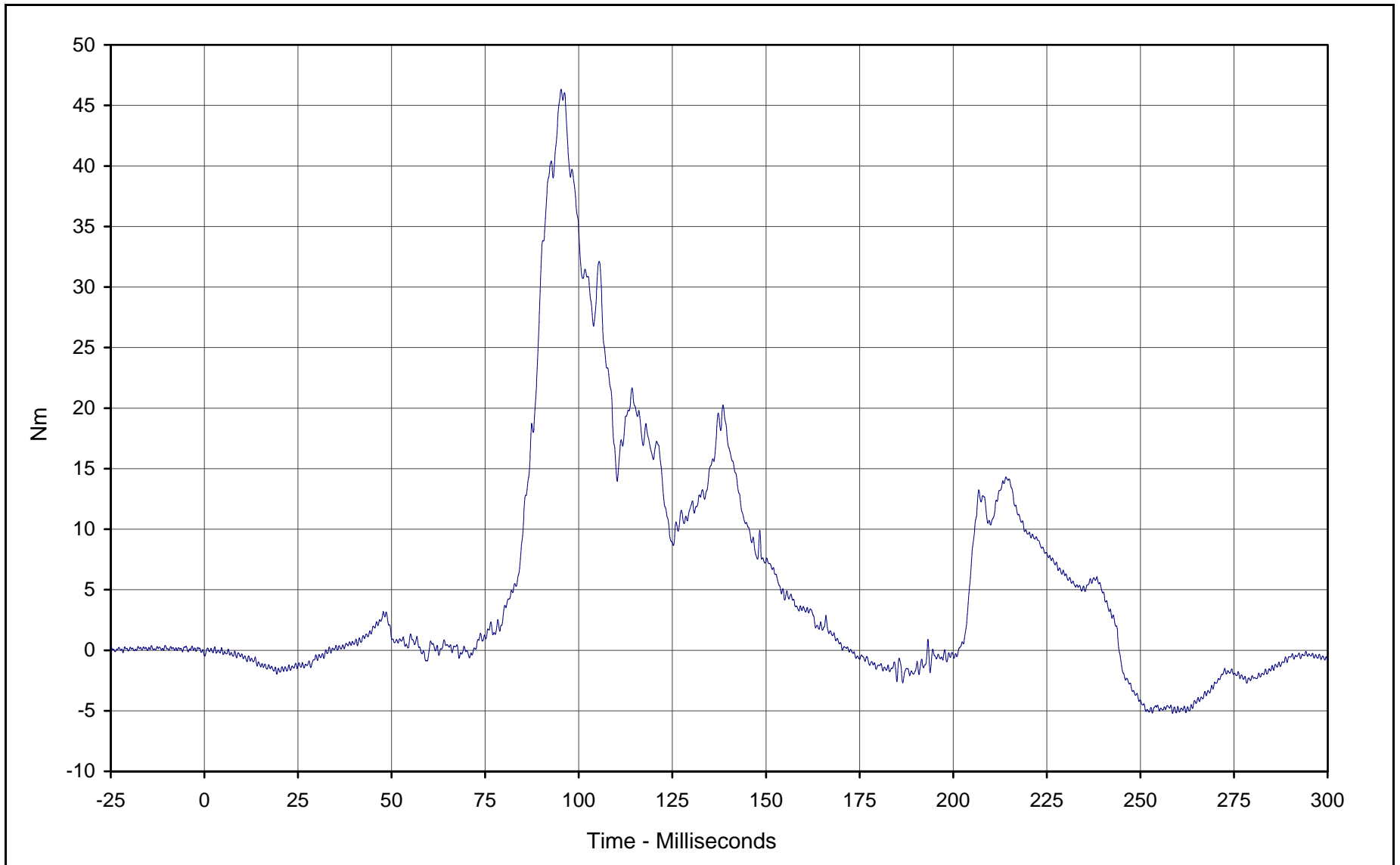
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

KARR20002-02



B-111



Curve Description: Passenger Right Lower Tibia Moment Y

Maximum Value: 46.3 at 95.3 Milliseconds

Minimum Value: -5.2 at 258.6 Milliseconds

SAE Filter Class: 600

Date of Test: 08/15/00

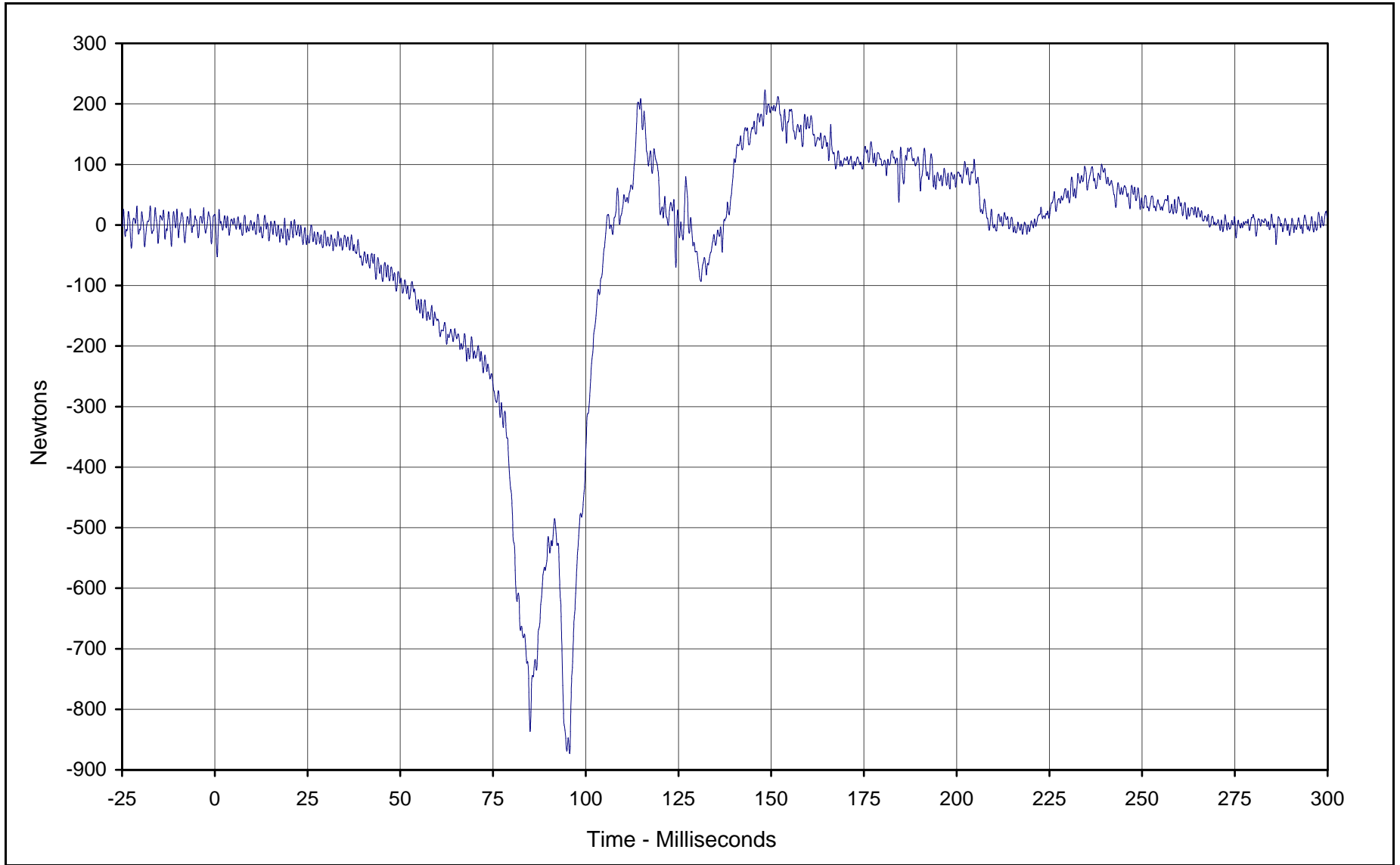
Curve Number: FIL-077

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

KARR20002-02



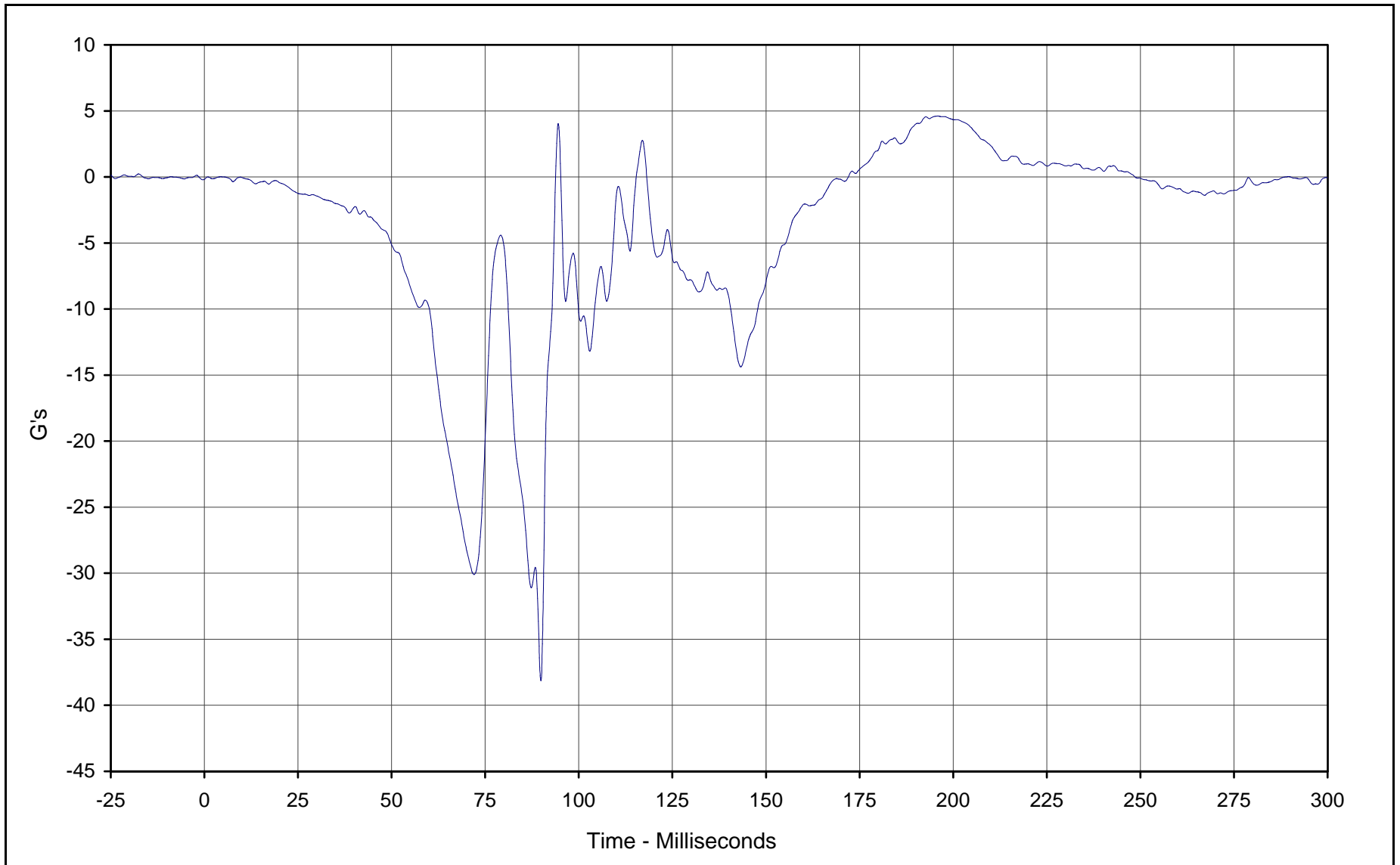


Curve Description: Passenger Right lower Tibia Force Z  
 Maximum Value: 223.1 at 148.3 Milliseconds  
 Minimum Value: -872.9 at 95.7 Milliseconds  
 SAE Filter Class: 600  
 Date of Test: 08/15/00  
 Curve Number: FIL-078

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



B-113



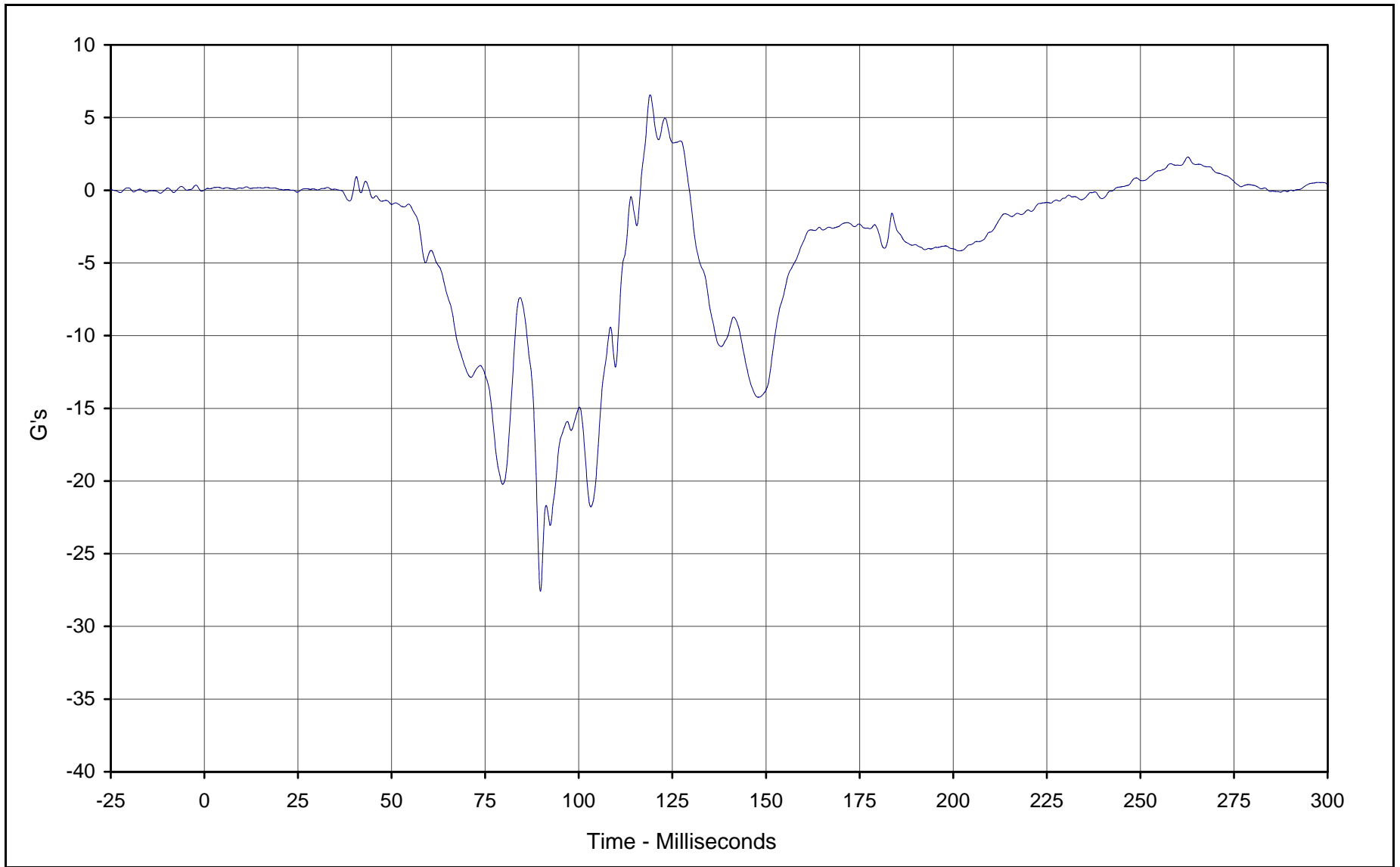
Curve Description: Passenger Left Foot Aft X  
Maximum Value: 4.6 at 196.0 Milliseconds  
Minimum Value: -38.1 at 89.9 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-079

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-114



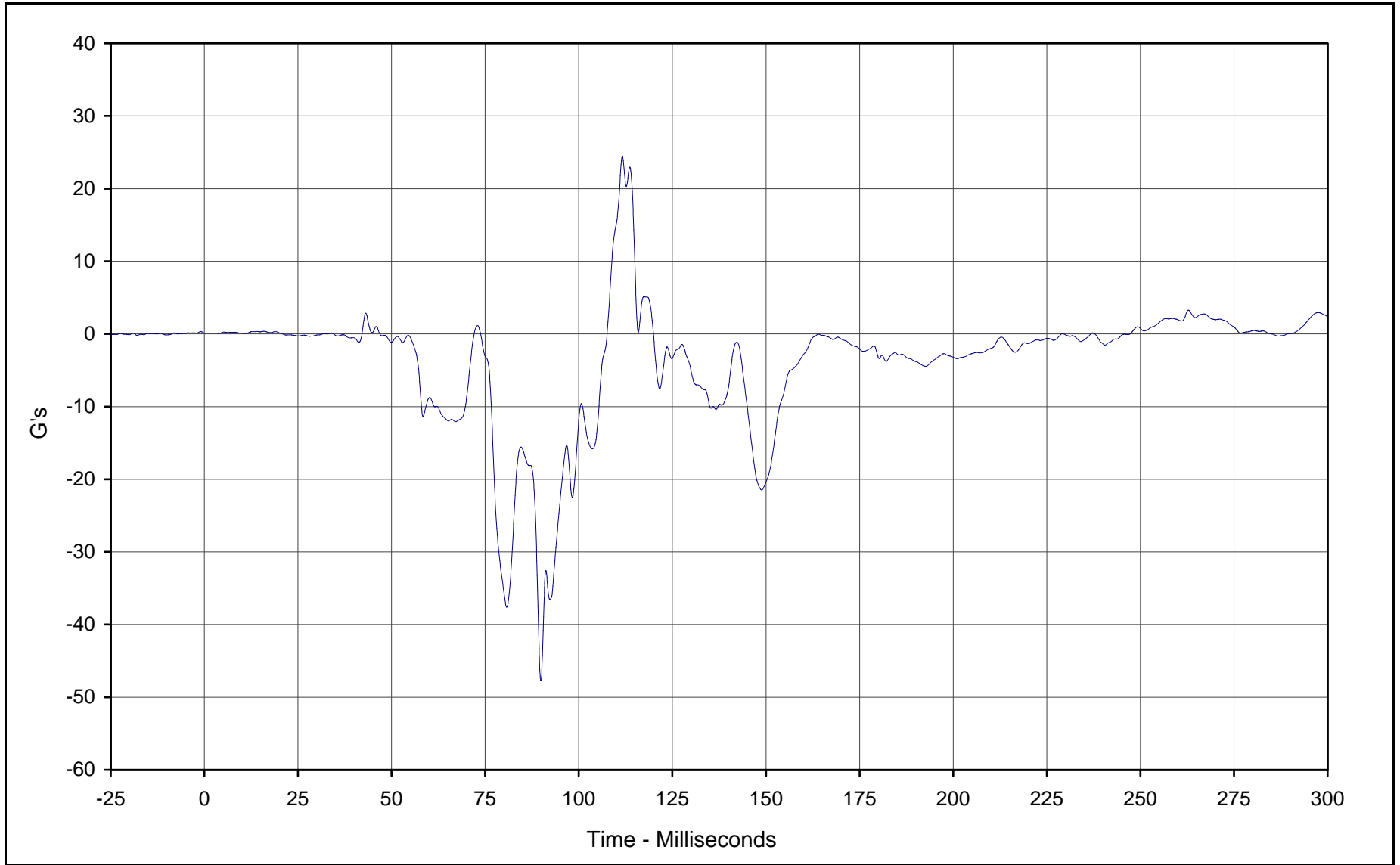
Curve Description: Passenger Left Foot Aft Z  
Maximum Value: 6.6 at 119.1 Milliseconds  
Minimum Value: -27.6 at 89.8 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-080

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-115



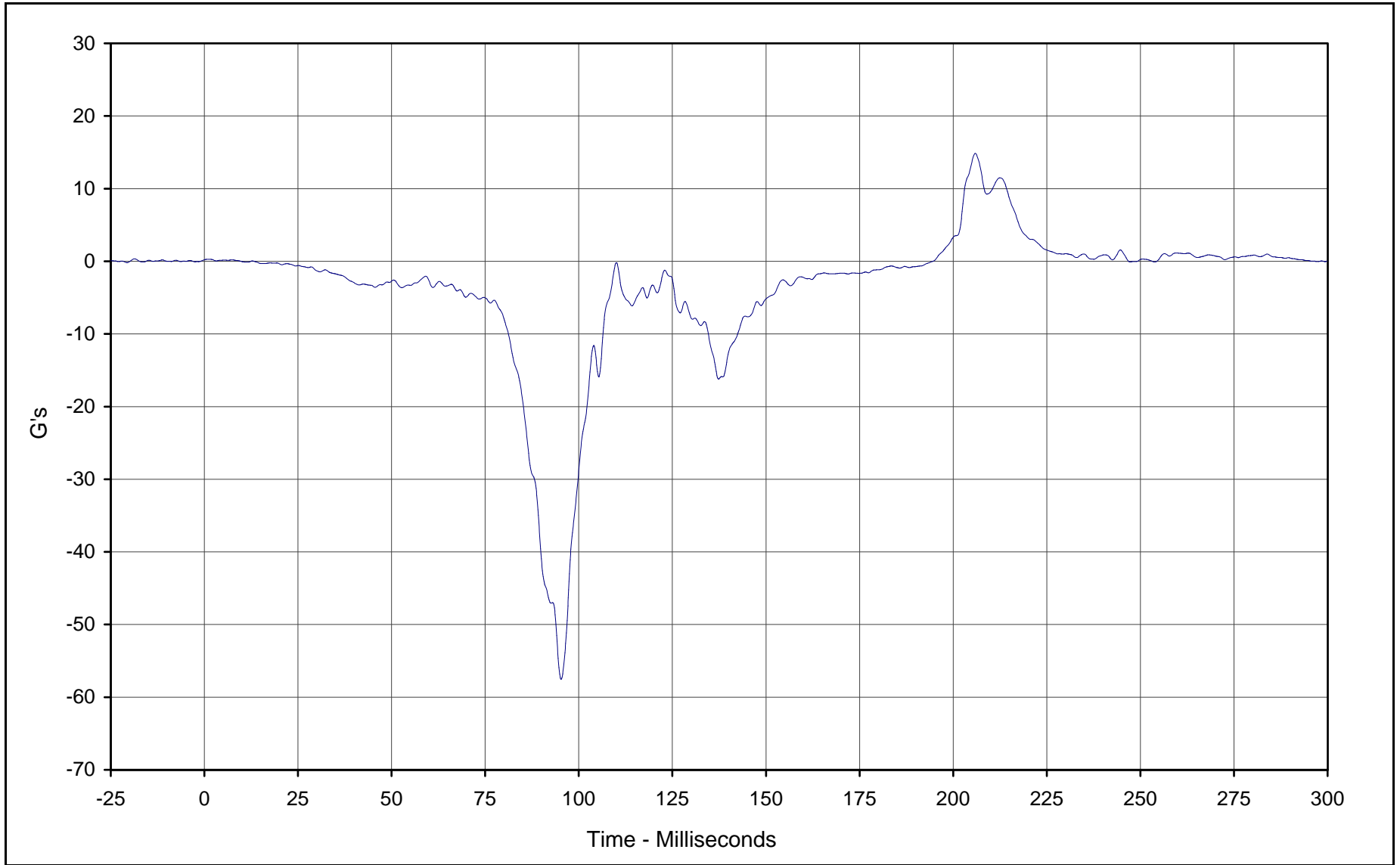
Curve Description: Passenger Left Foot Fore Z  
Maximum Value: 24.5 at 111.6 Milliseconds  
Minimum Value: -47.7 at 89.9 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-081

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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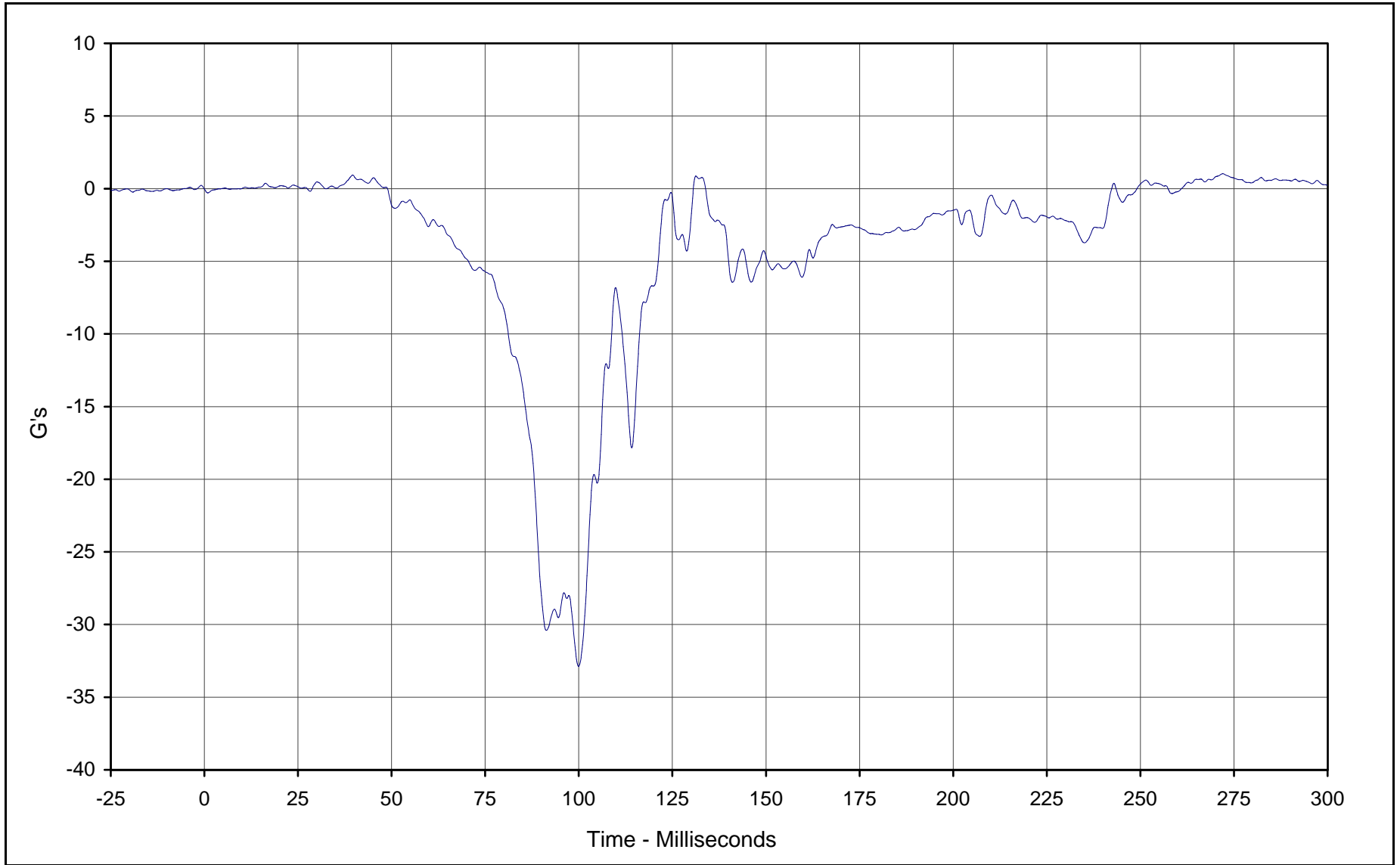
Curve Description: Passenger Right Foot Aft X  
Maximum Value: 14.9 at 205.9 Milliseconds  
Minimum Value: -57.5 at 95.3 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-082

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-117



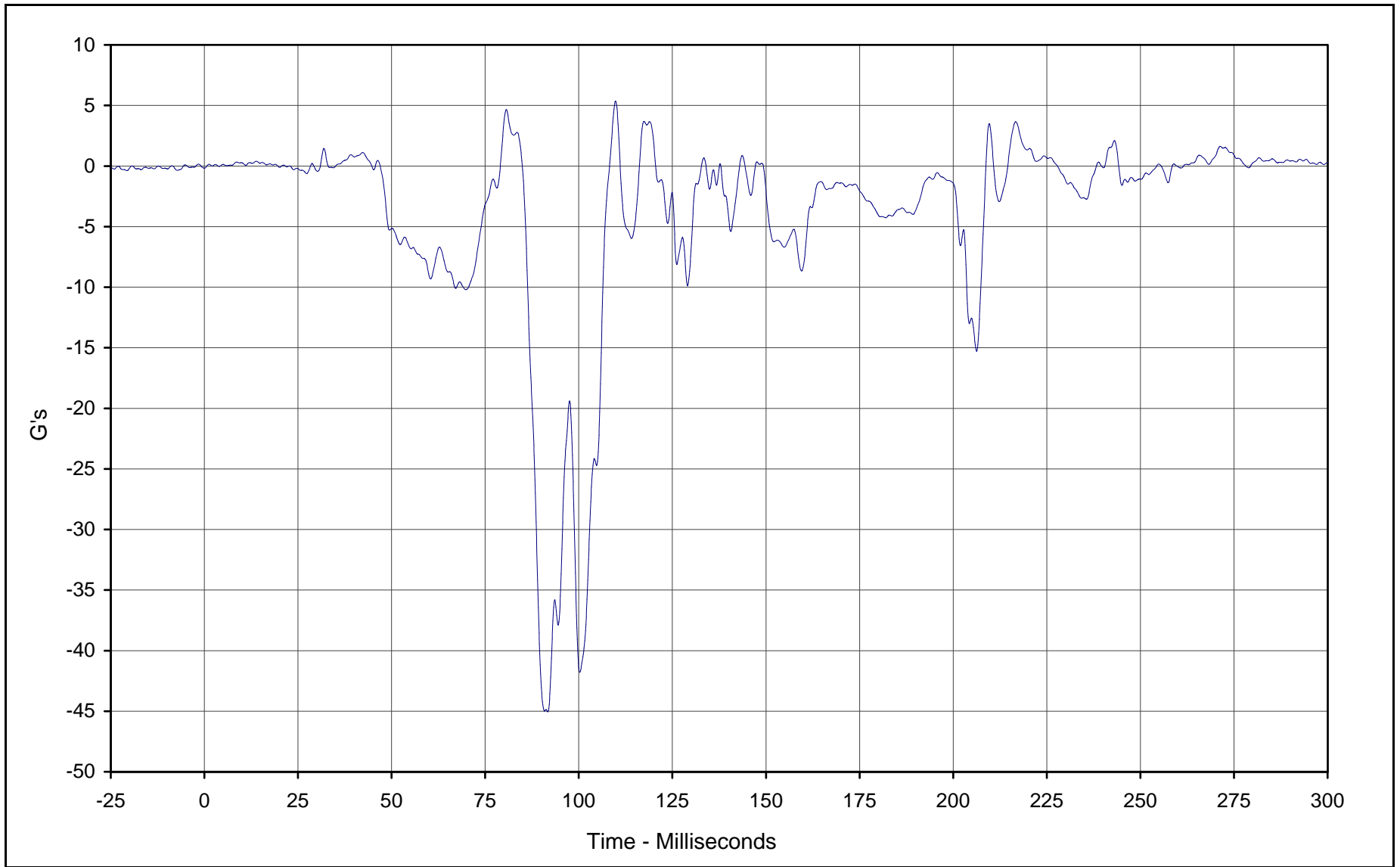
Curve Description: Passenger Right Foot Aft Z  
Maximum Value: 1.0 at 272.0 Milliseconds  
Minimum Value: -32.9 at 99.9 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-083

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

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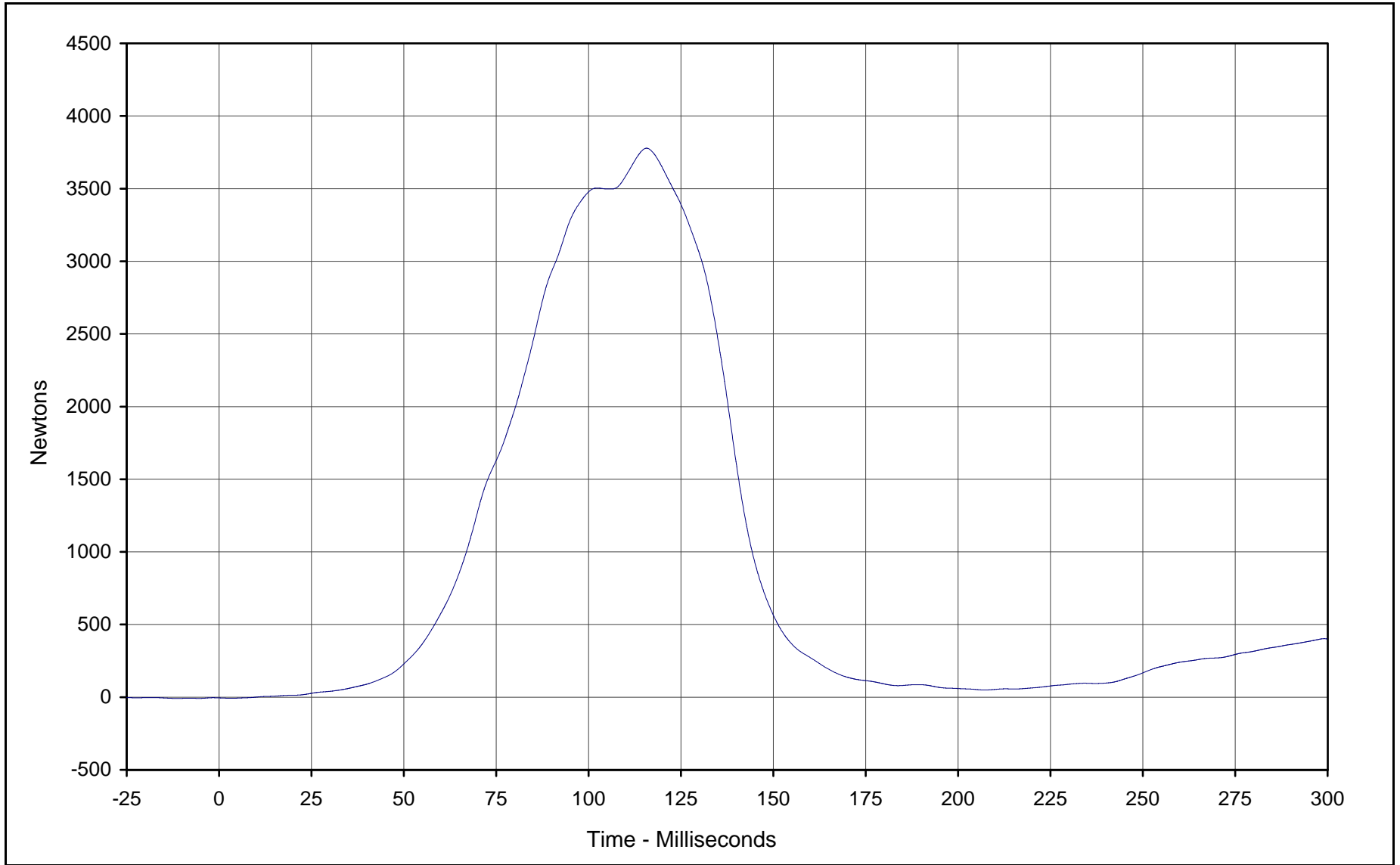
Curve Description: Passenger Right Foot Fore Z  
Maximum Value: 5.4 at 109.8 Milliseconds  
Minimum Value: -45.1 at 91.7 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: FIL-084

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

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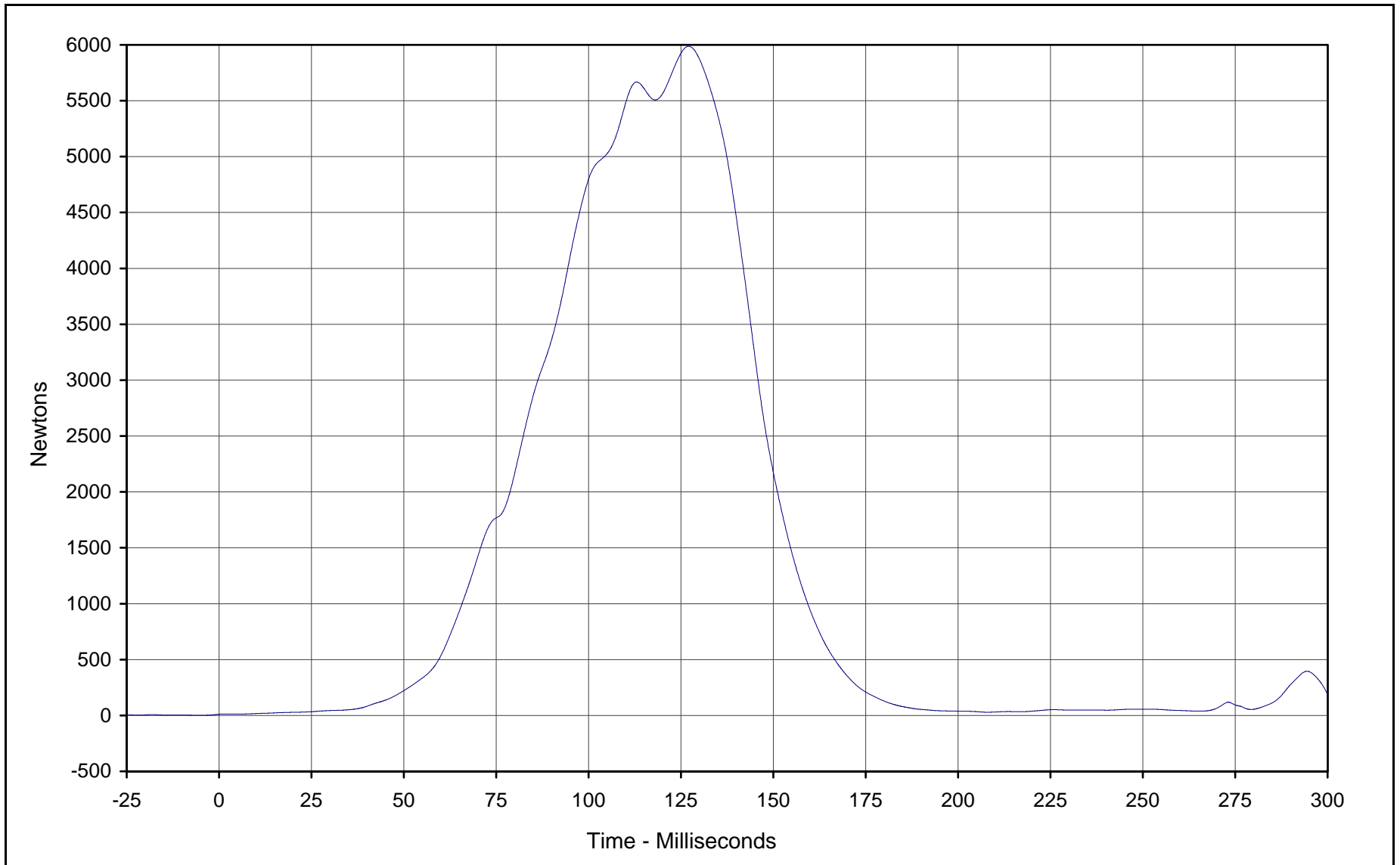
Curve Description: Passenger Lap Belt Force  
Maximum Value: 3777.9 at 115.7 Milliseconds  
Minimum Value: -7.3 at 3.5 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-085

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

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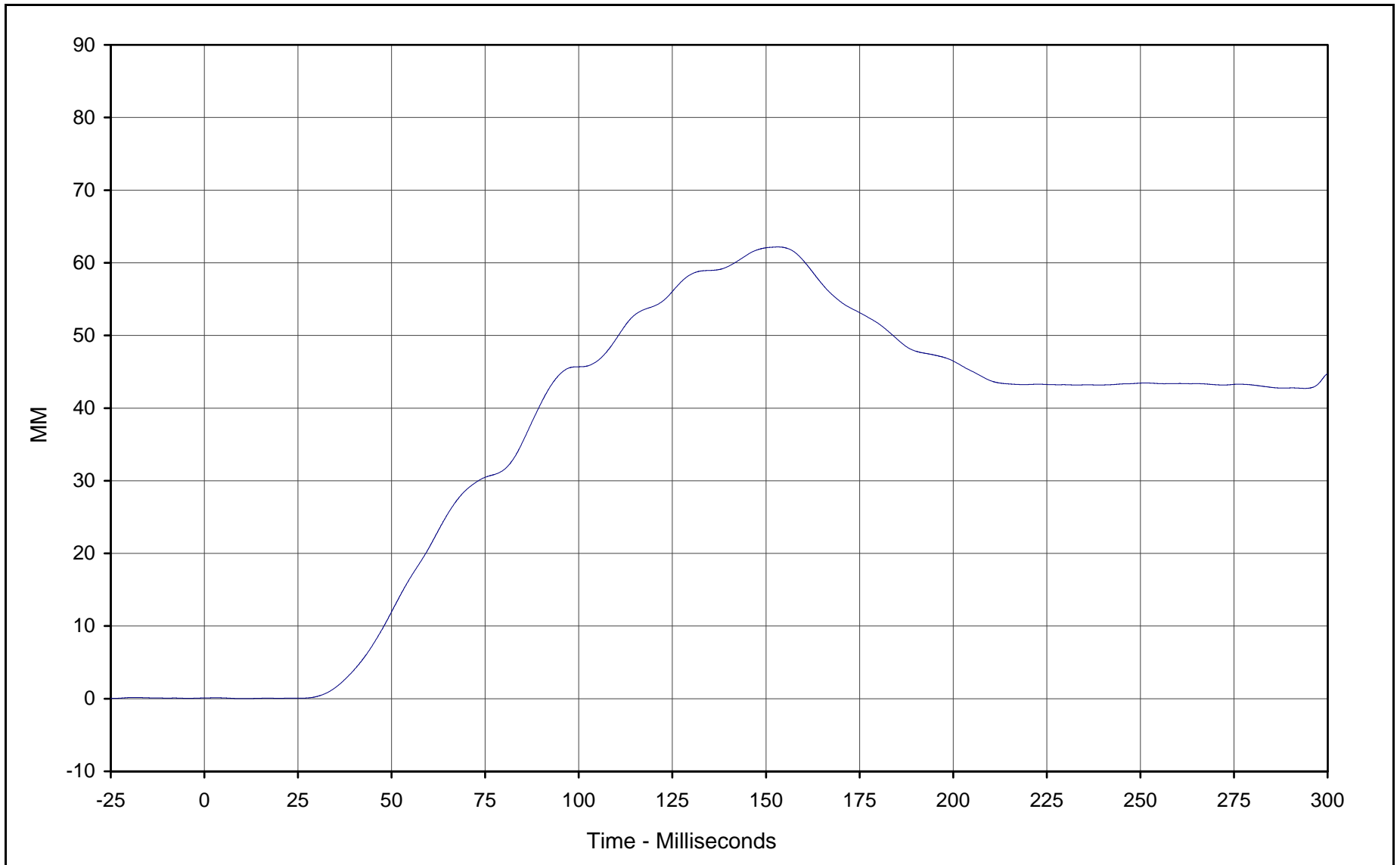
Curve Description: Passenger Shoulder Belt Force  
Maximum Value: 5987.4 at 127.1 Milliseconds  
Minimum Value: 10.8 at 0.0 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-086

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

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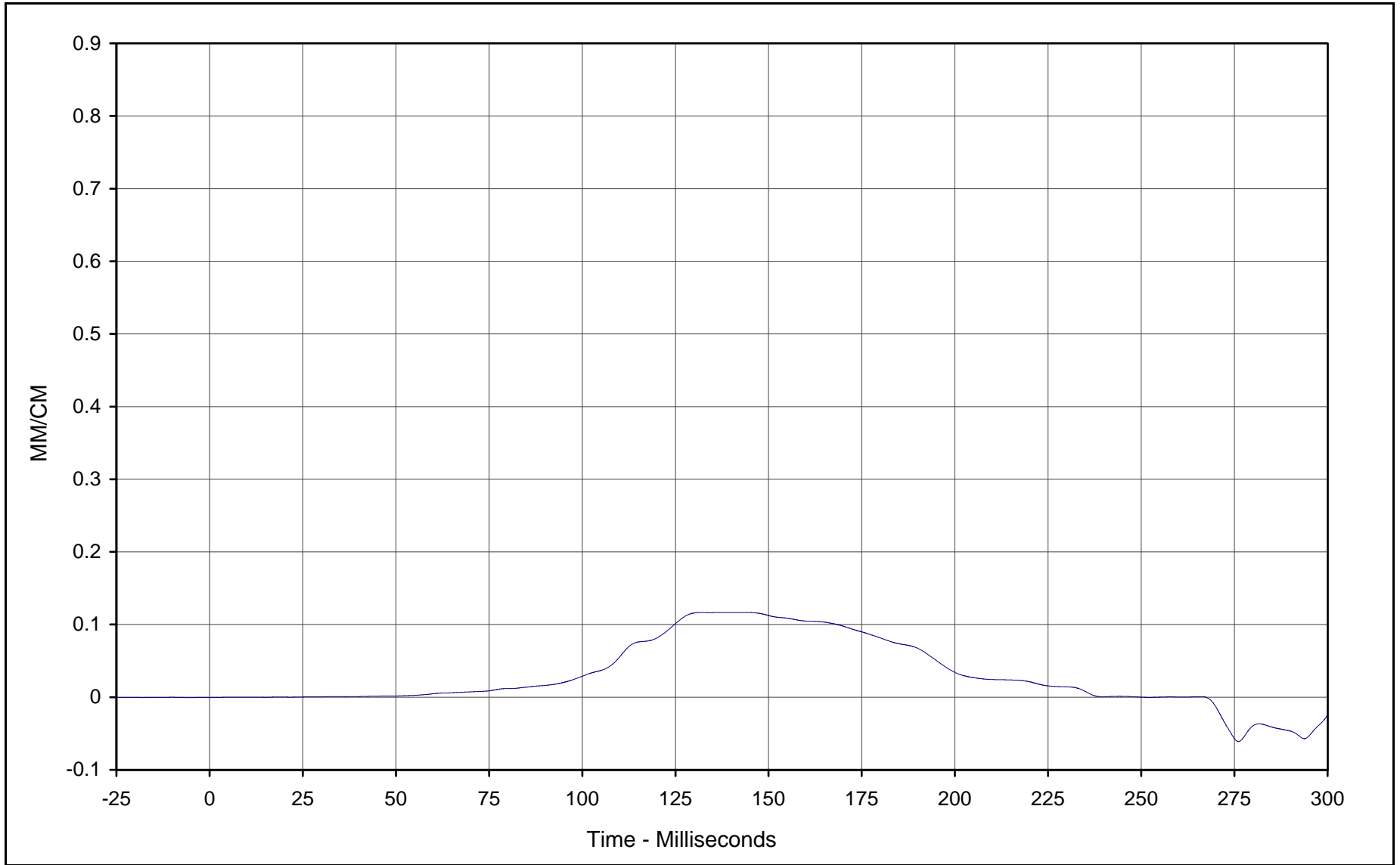
Curve Description: Passenger Shoulder Belt Pullout  
Maximum Value: 62.2 at 153.2 Milliseconds  
Minimum Value: 0.0 at 9.1 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-087

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



KARR20002-02

B-122



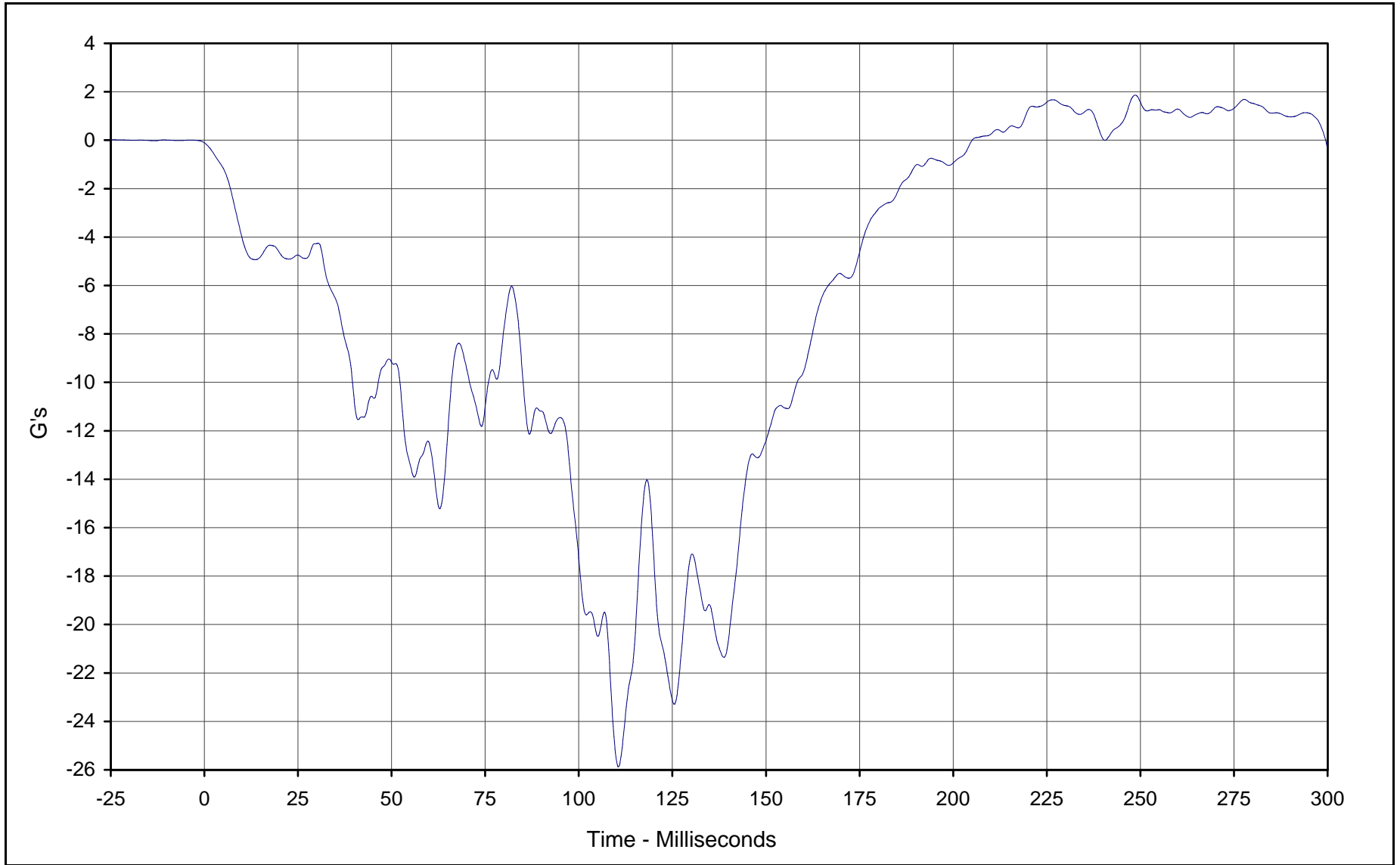
Curve Description: Passenger Shoulder Belt Elongation  
Maximum Value: 0.12 at 138.2 Milliseconds  
Minimum Value: -0.06 at 276.1 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-088

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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B-123



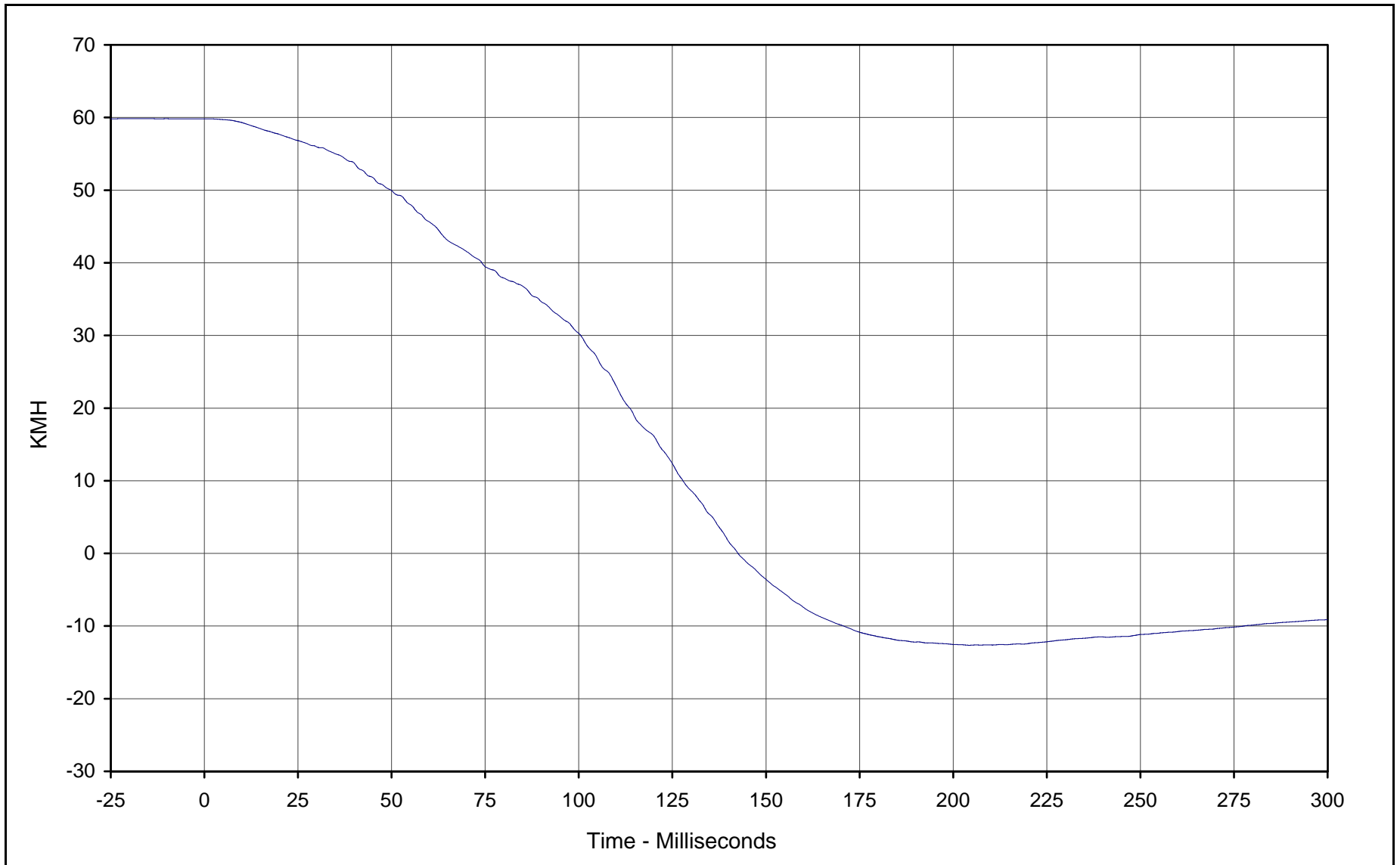
Curve Description: Vehicle Left Sill X  
Maximum Value: 1.9 at 248.6 Milliseconds  
Minimum Value: -25.9 at 110.6 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-089

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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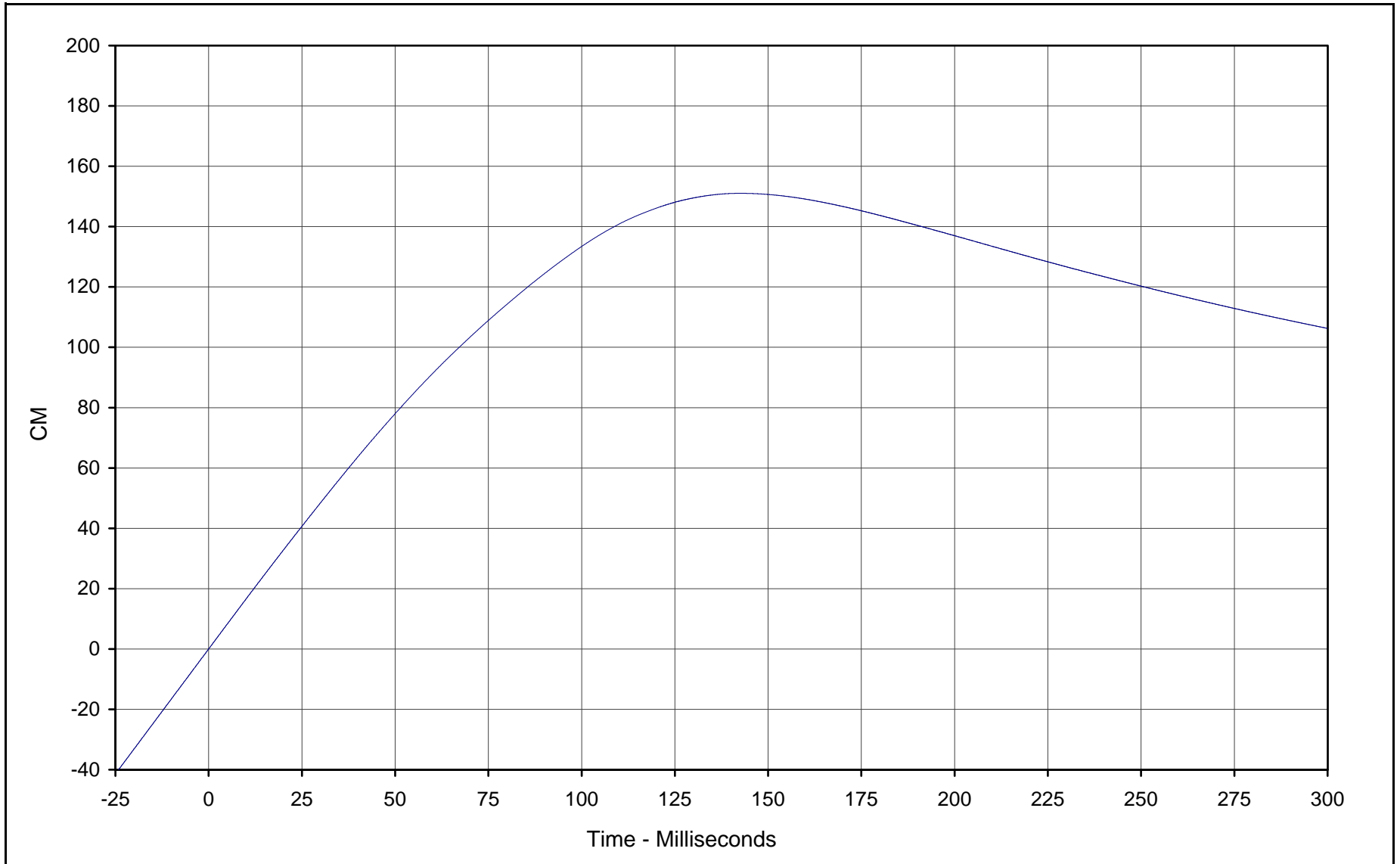
Curve Description: Vehicle Left Sill X Velocity  
Maximum Value: 59.8 at 0.0 Milliseconds  
Minimum Value: -12.6 at 204.3 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-089

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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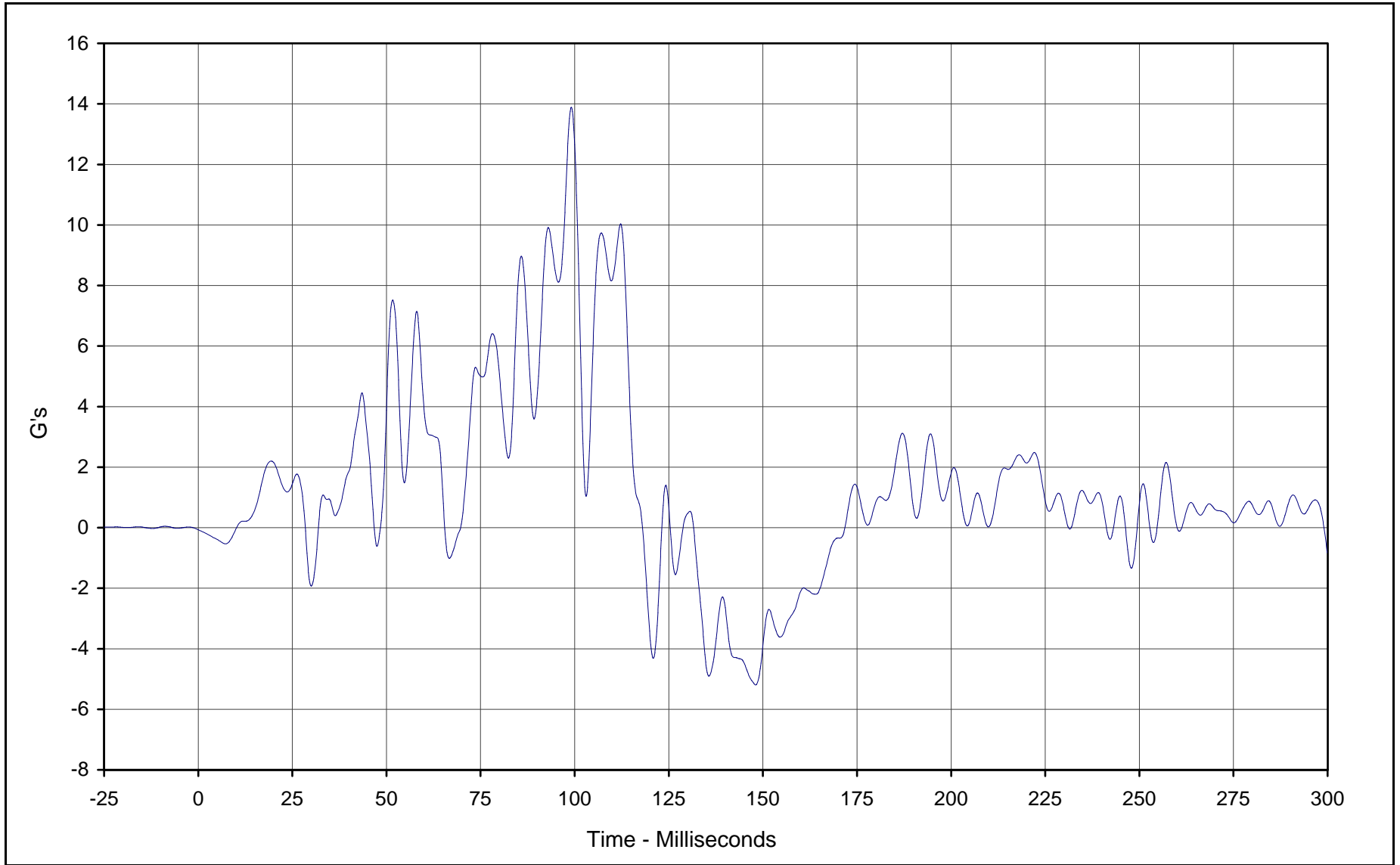


Curve Description: Vehicle Left Sill X Displacement  
Maximum Value: 151.0 at 142.5 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-089

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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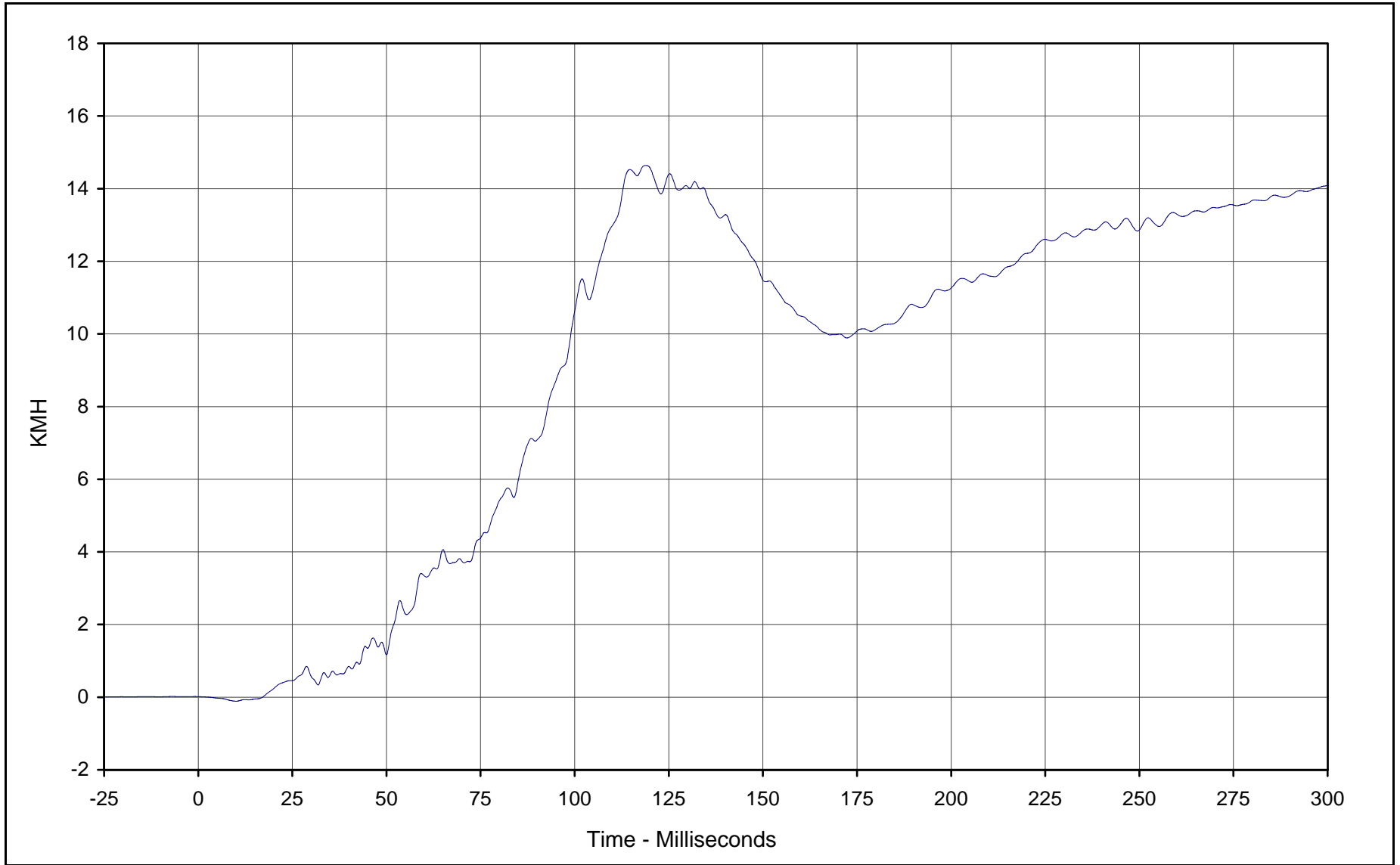


Curve Description: Vehicle Left Sill Y  
 Maximum Value: 13.9 at 99.1 Milliseconds  
 Minimum Value: -5.2 at 148.1 Milliseconds  
 SAE Filter Class: 60  
 Date of Test: 08/15/00  
 Curve Number: FIL-090

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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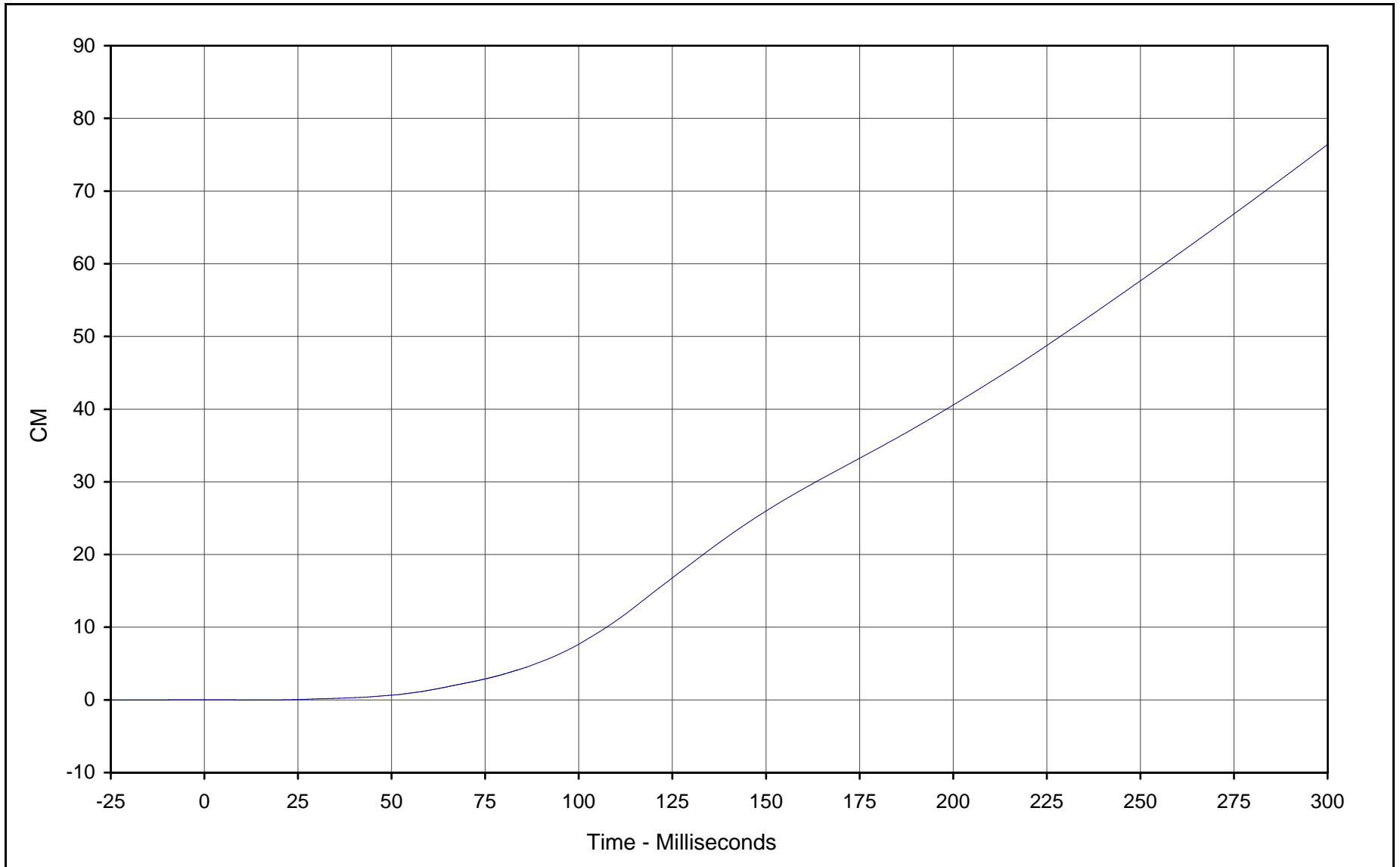
Curve Description: Vehicle Left Sill Y Velocity  
Maximum Value: 14.6 at 118.8 Milliseconds  
Minimum Value: -0.1 at 10.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-090

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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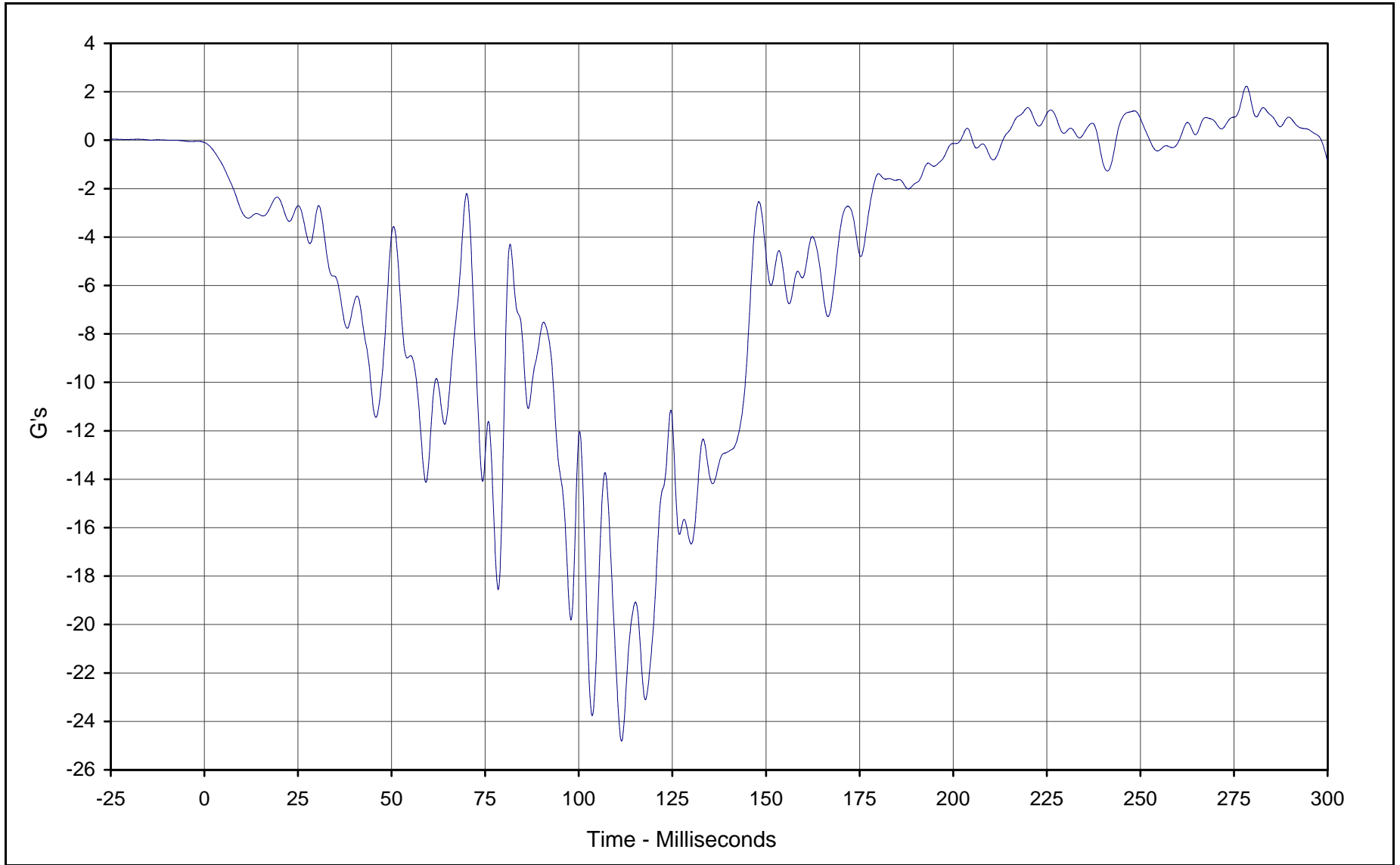


Curve Description: Vehicle Left Sill Y Displacement  
Maximum Value: 76.4 at 299.9 Milliseconds  
Minimum Value: 0.0 at 17.1 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-090

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



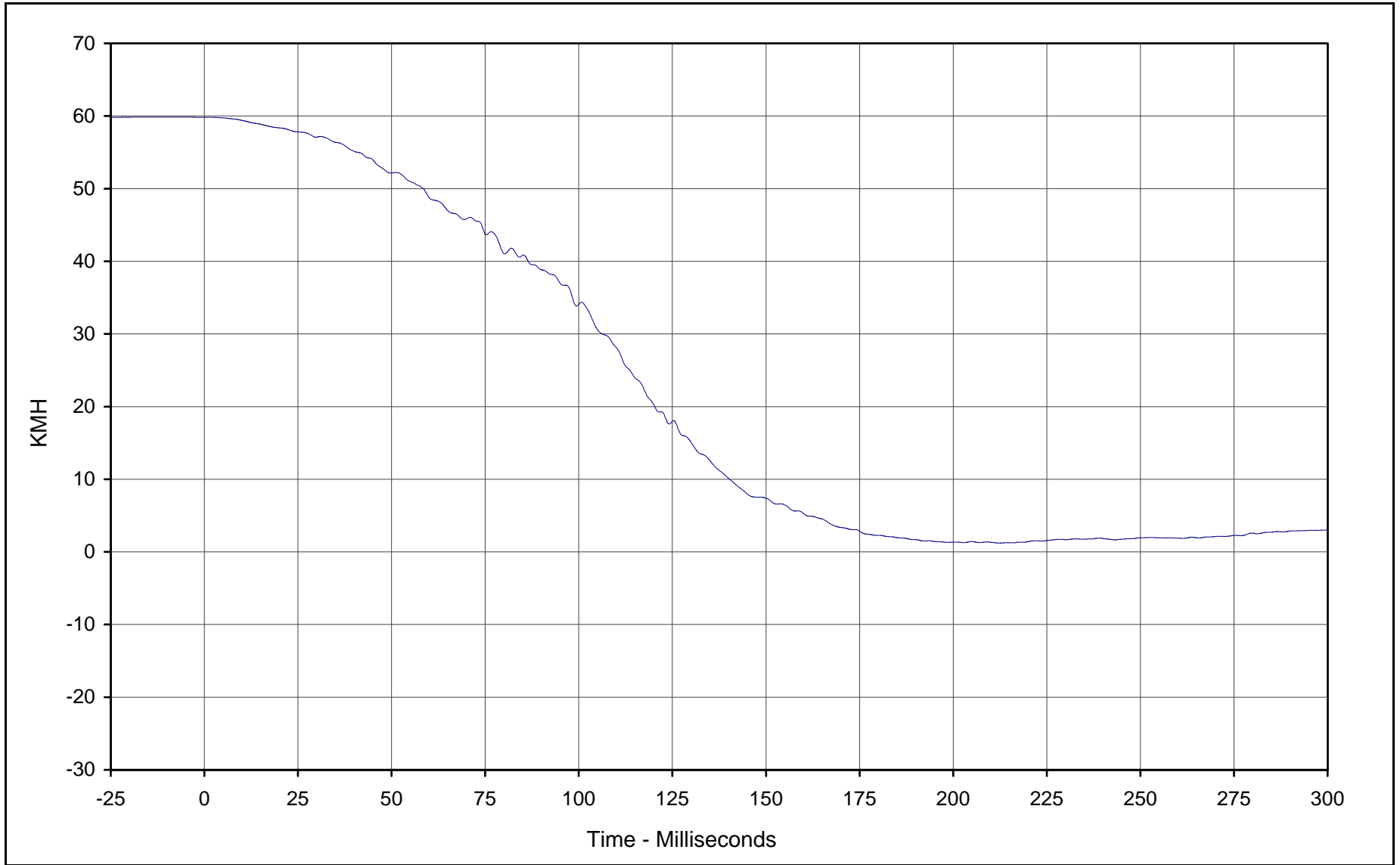
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Curve Description: Vehicle Center Tunnel X  
 Maximum Value: 2.2 at 278.3 Milliseconds  
 Minimum Value: -24.8 at 111.4 Milliseconds  
 SAE Filter Class: 60  
 Date of Test: 08/15/00  
 Curve Number: FIL-091

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



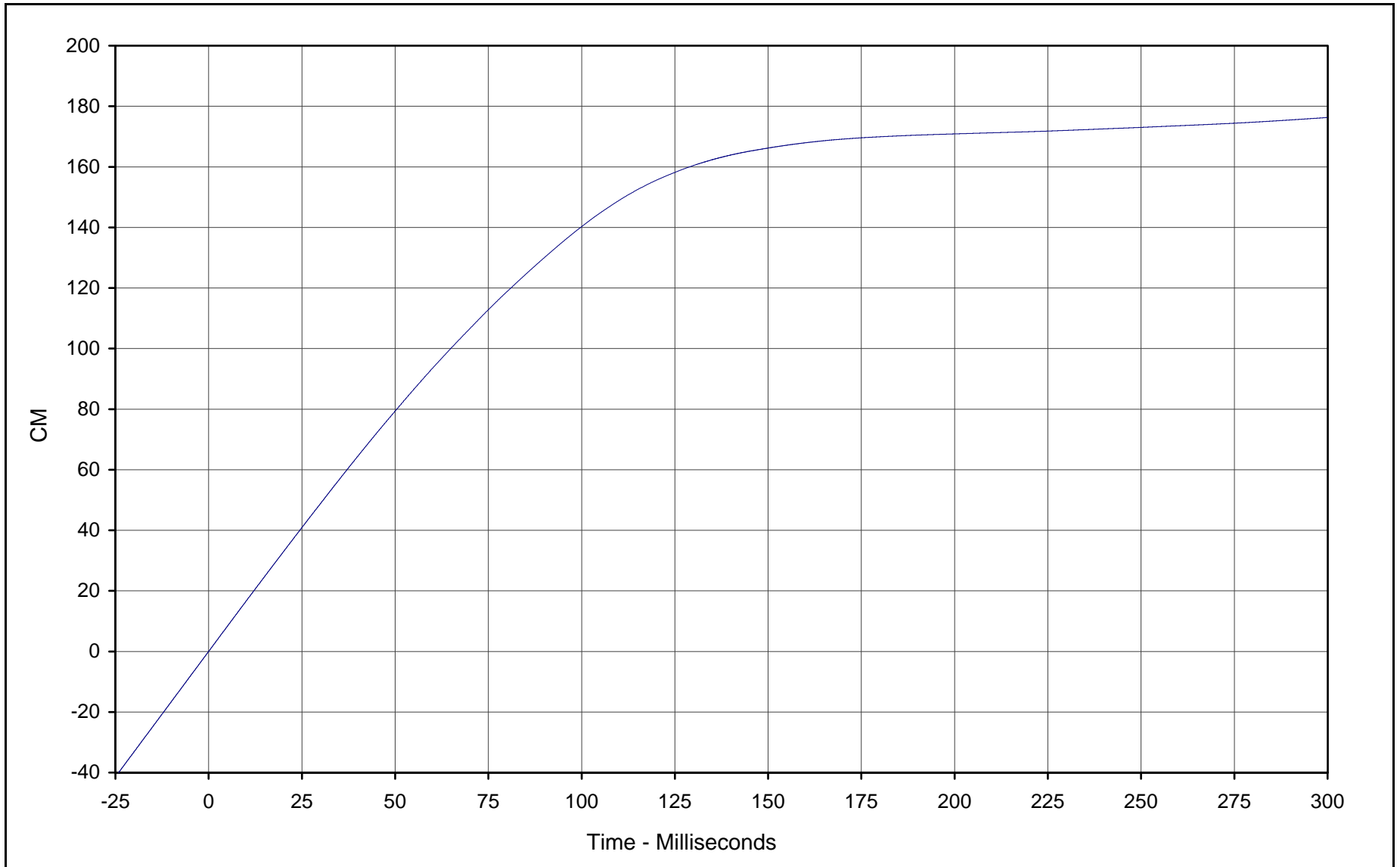


Curve Description: Vehicle Center Tunnel X Velocity  
Maximum Value: 59.8 at 0.0 Milliseconds  
Minimum Value: 1.2 at 212.6 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-091

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Vehicle Center Tunnel X Displacement

Maximum Value: 176.3 at 299.9 Milliseconds

Minimum Value: 0.0 at 0.0 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

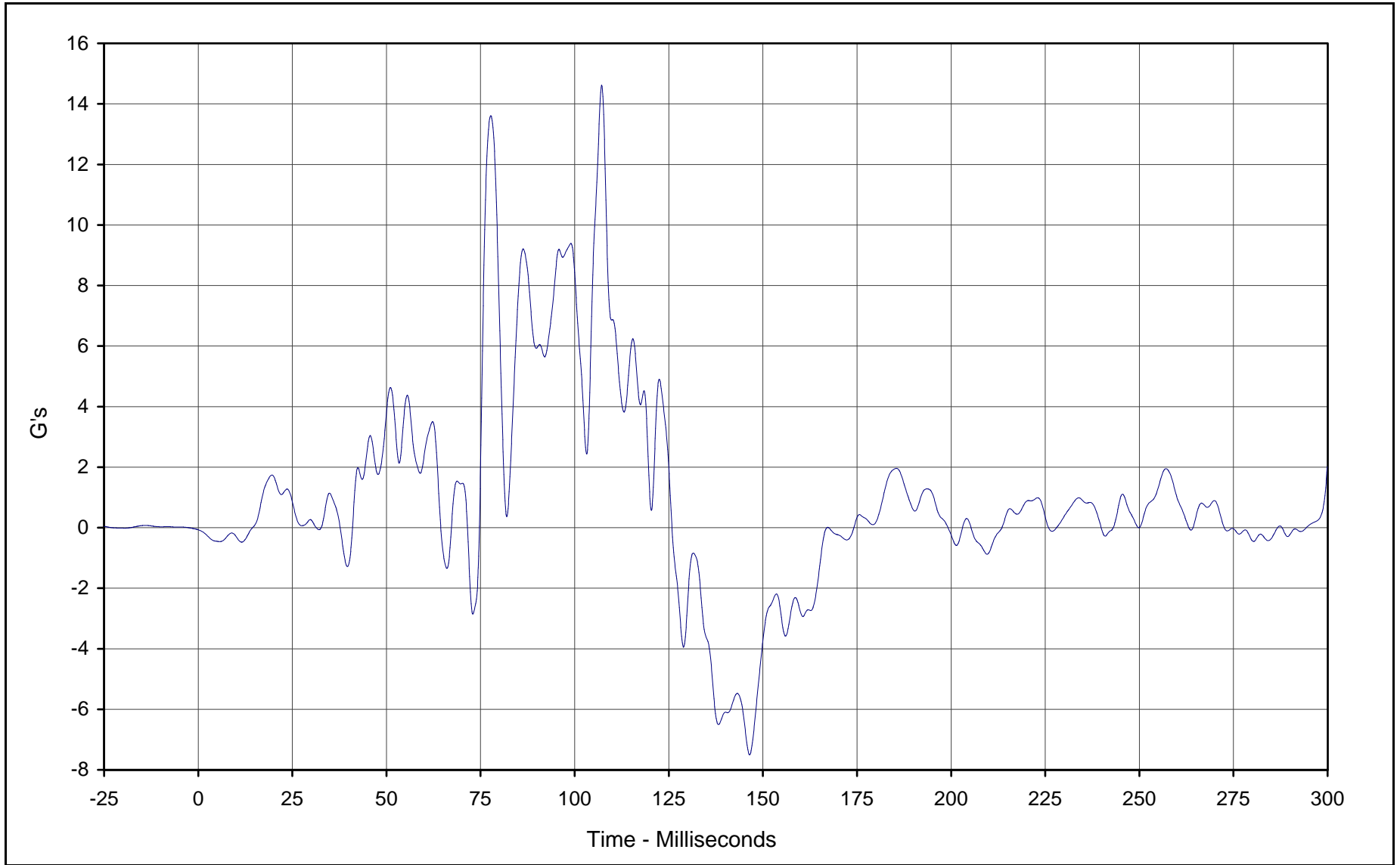
Curve Number: IN2-091

Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

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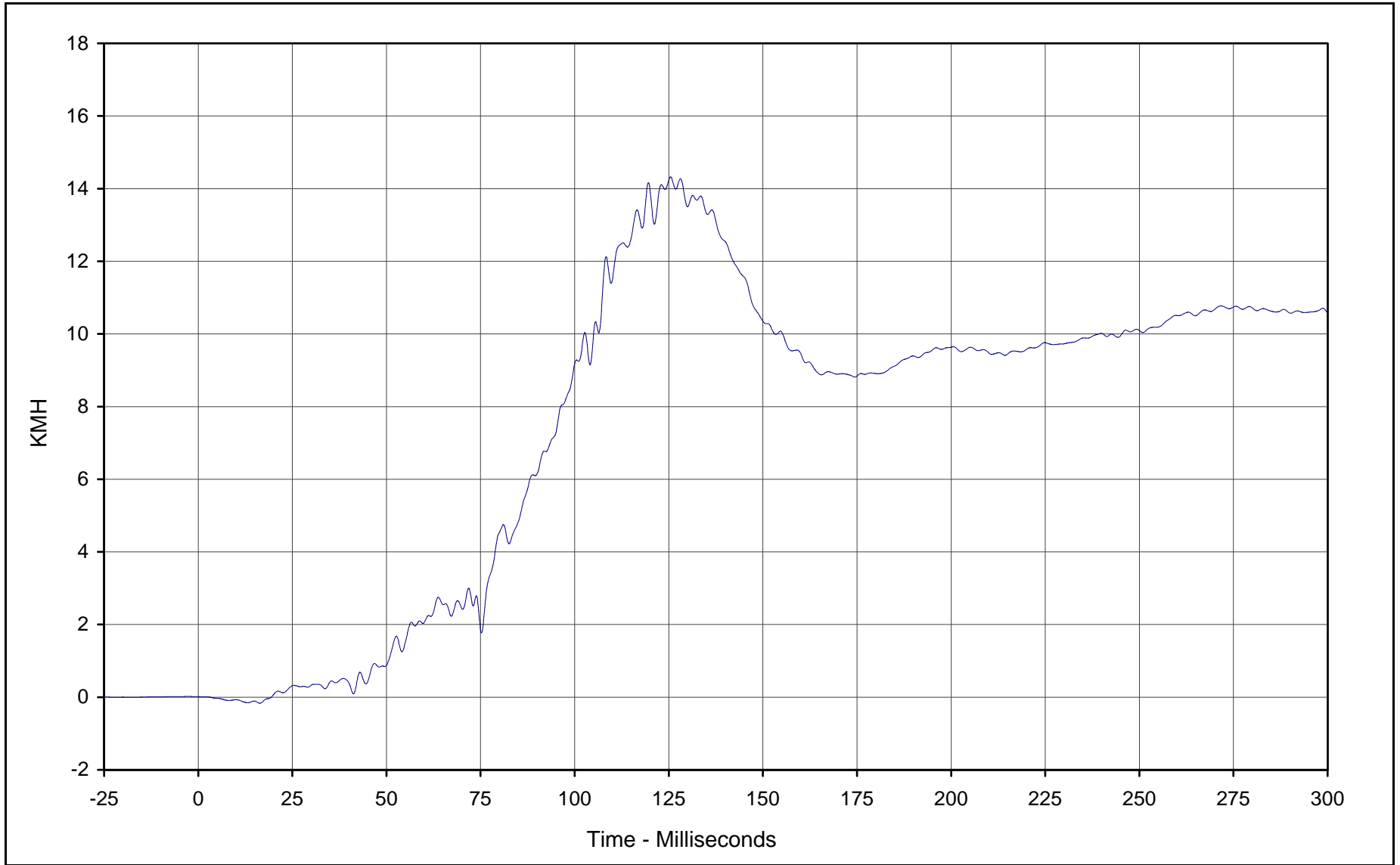




Curve Description: Vehicle Center Tunnel Y  
 Maximum Value: 14.6 at 107.2 Milliseconds  
 Minimum Value: -7.5 at 146.5 Milliseconds  
 SAE Filter Class: 60  
 Date of Test: 08/15/00  
 Curve Number: FIL-092

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



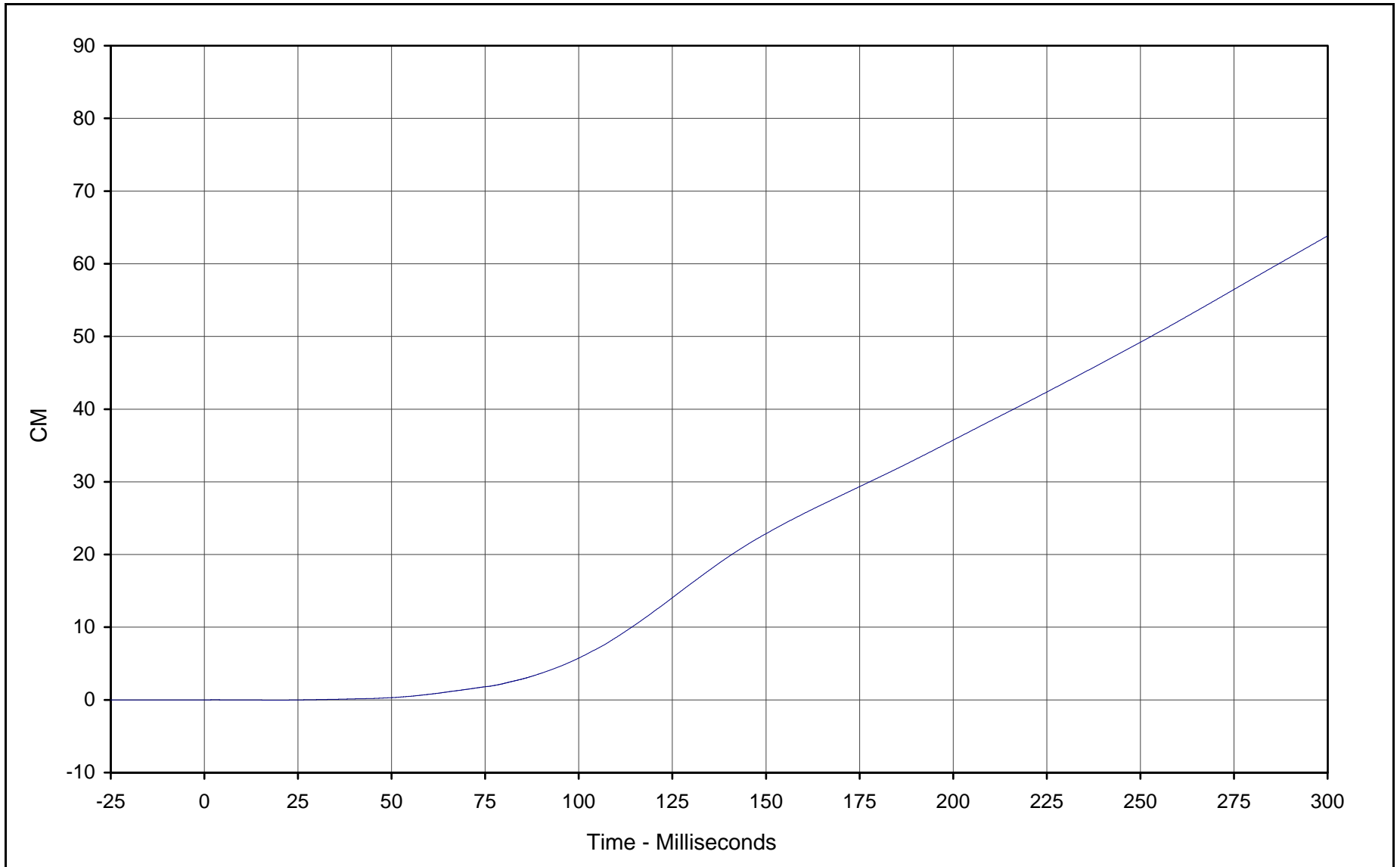


Curve Description: Vehicle Center Tunnel Y Velocity  
Maximum Value: 14.3 at 125.5 Milliseconds  
Minimum Value: -0.2 at 16.4 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-092

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Vehicle Center Tunnel Y Displacement

Maximum Value: 63.8 at 299.9 Milliseconds

Minimum Value: 0.0 at 19.4 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

Curve Number: IN2-092

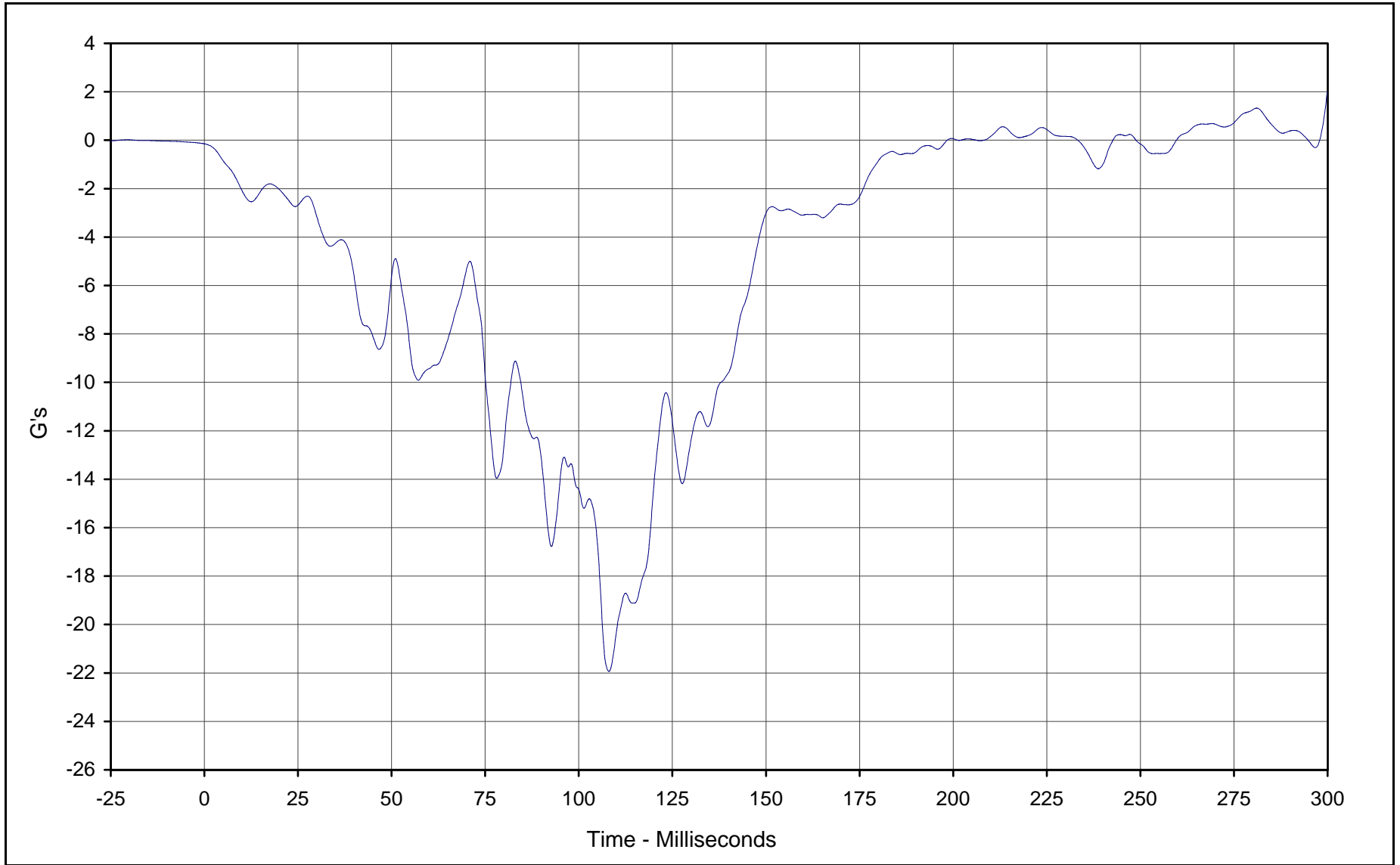
Test Program: 2000 NHTSA 40% Offset No.: FORD01

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

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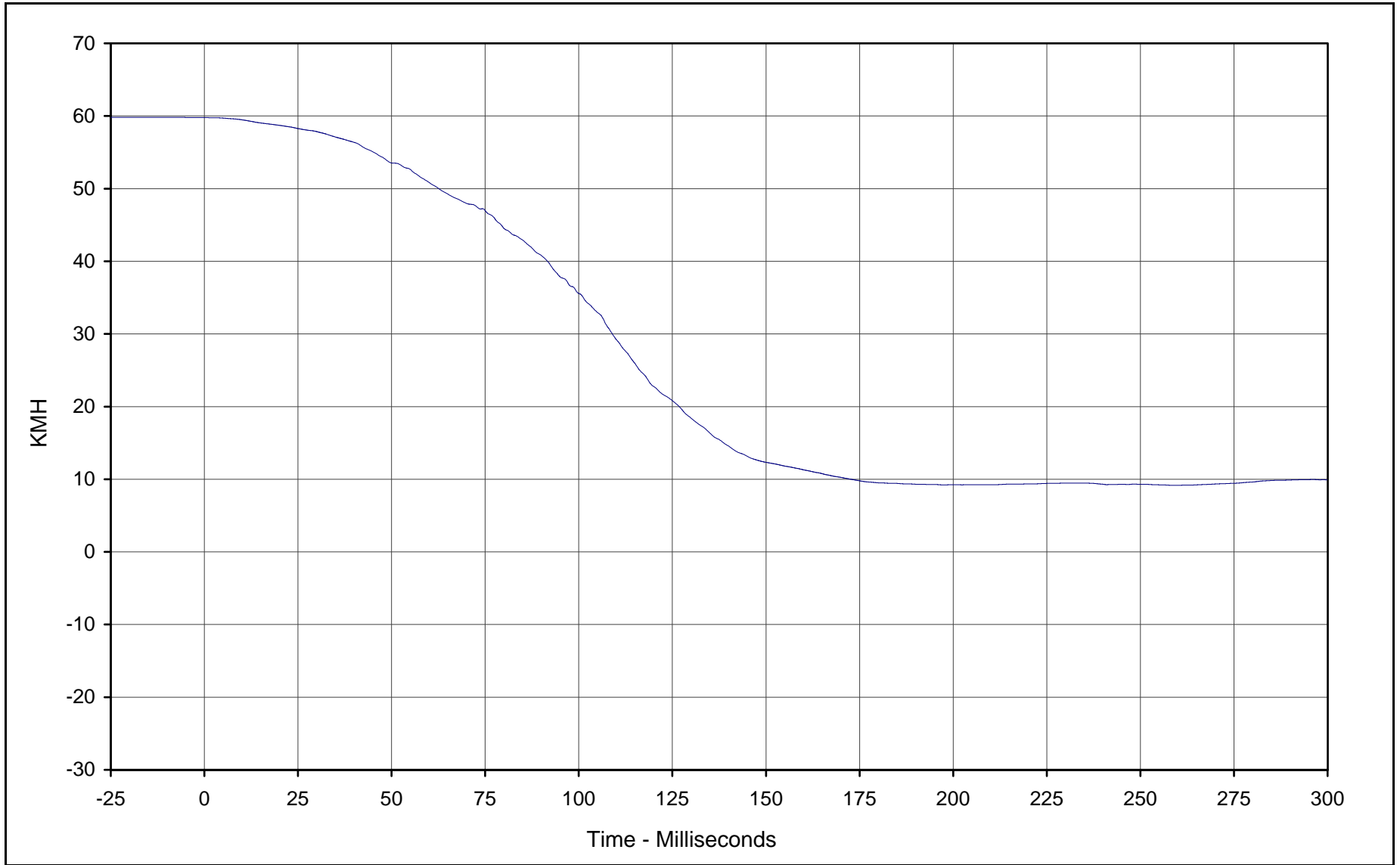


Curve Description: Vehicle Right Sill X  
Maximum Value: 2.0 at 299.9 Milliseconds  
Minimum Value: -21.9 at 108.1 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-093

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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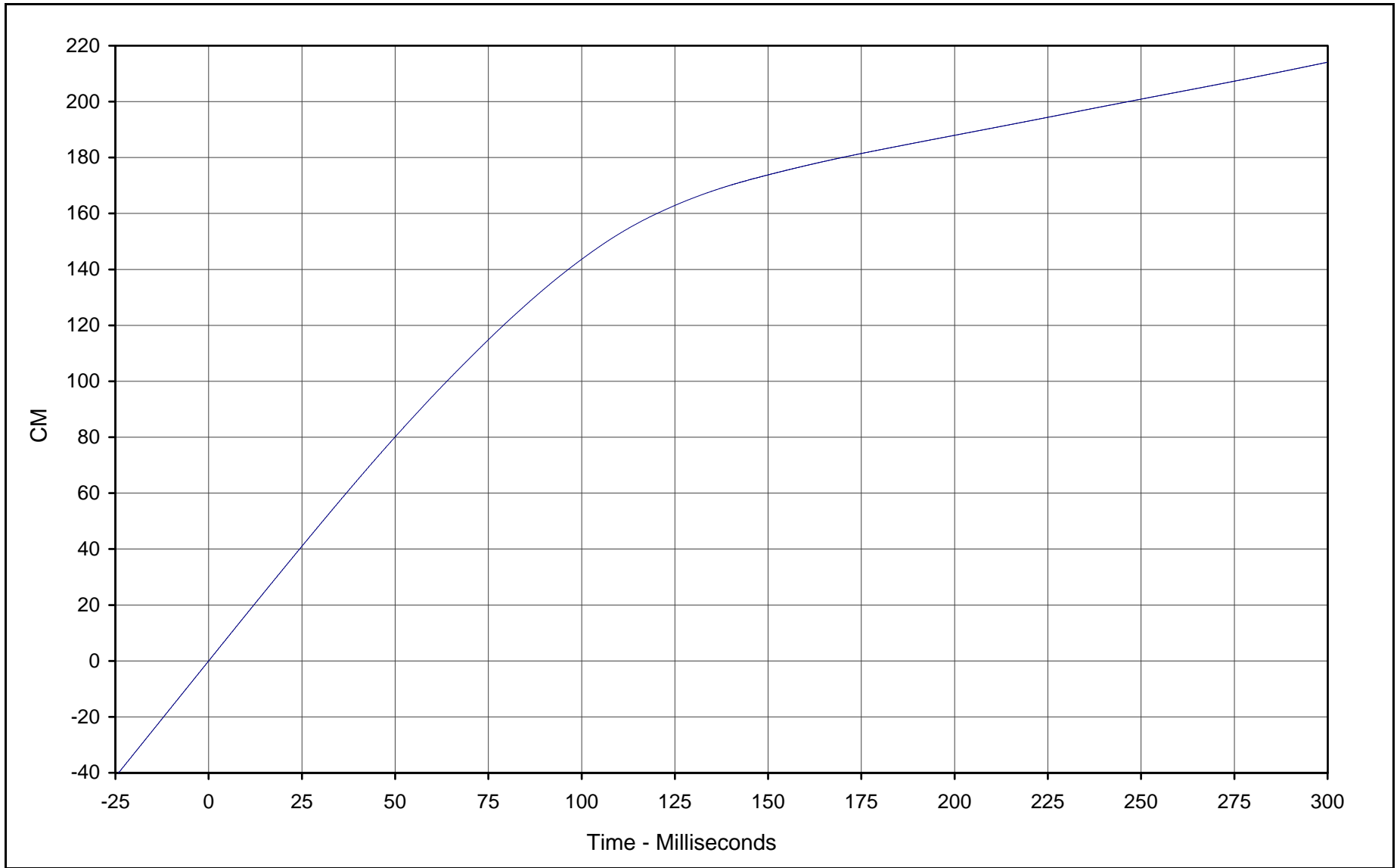


Curve Description: Vehicle Right Sill X Velocity  
 Maximum Value: 59.8 at 0.0 Milliseconds  
 Minimum Value: 9.2 at 258.8 Milliseconds  
 SAE Filter Class: 180  
 Date of Test: 08/15/00  
 Curve Number: IN1-093

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
 Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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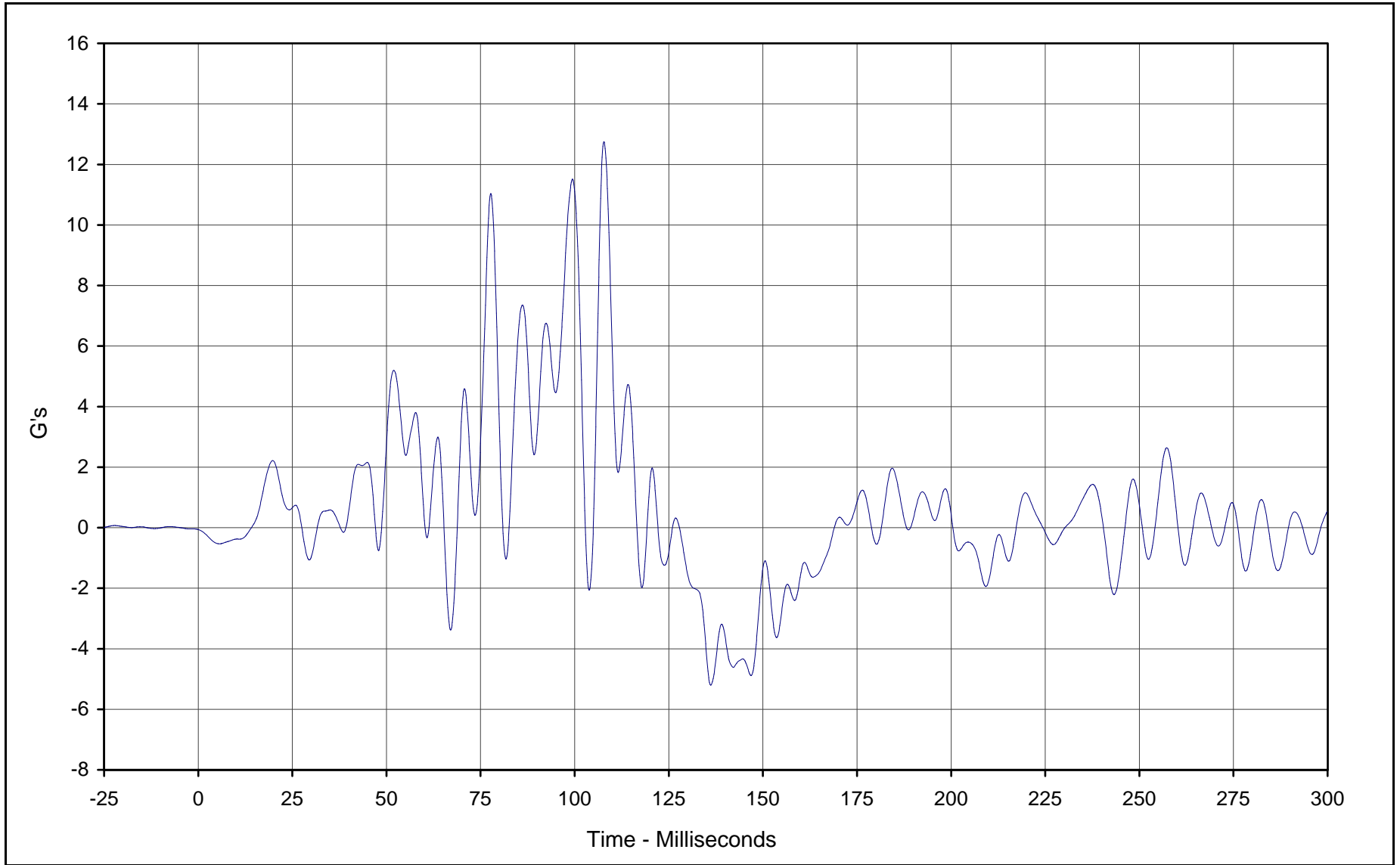
Curve Description: Vehicle Right Sill X Displacement  
Maximum Value: 214.1 at 299.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-093

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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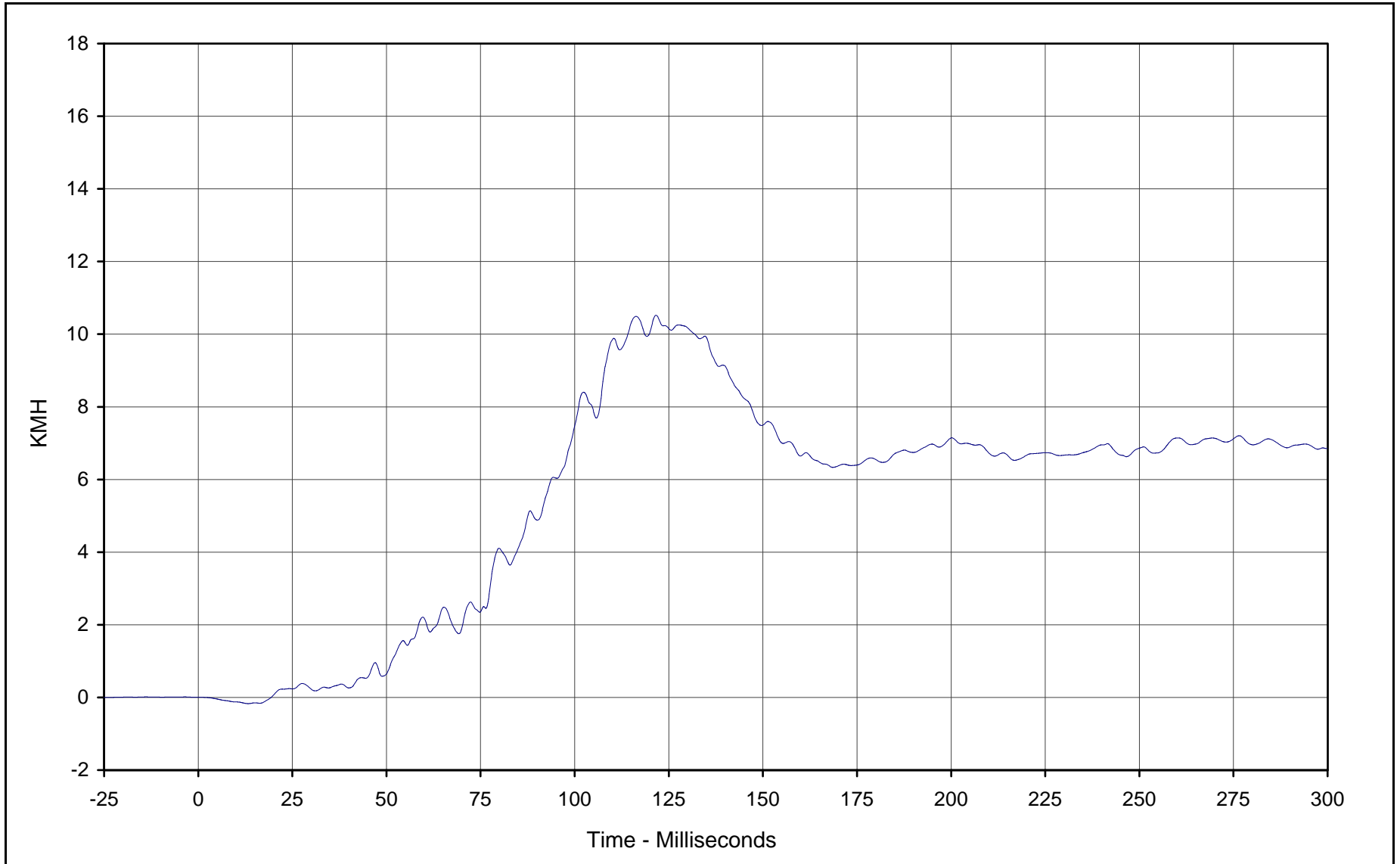
Curve Description: Vehicle Right Sill Y  
Maximum Value: 12.8 at 107.8 Milliseconds  
Minimum Value: -5.2 at 136.1 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-094

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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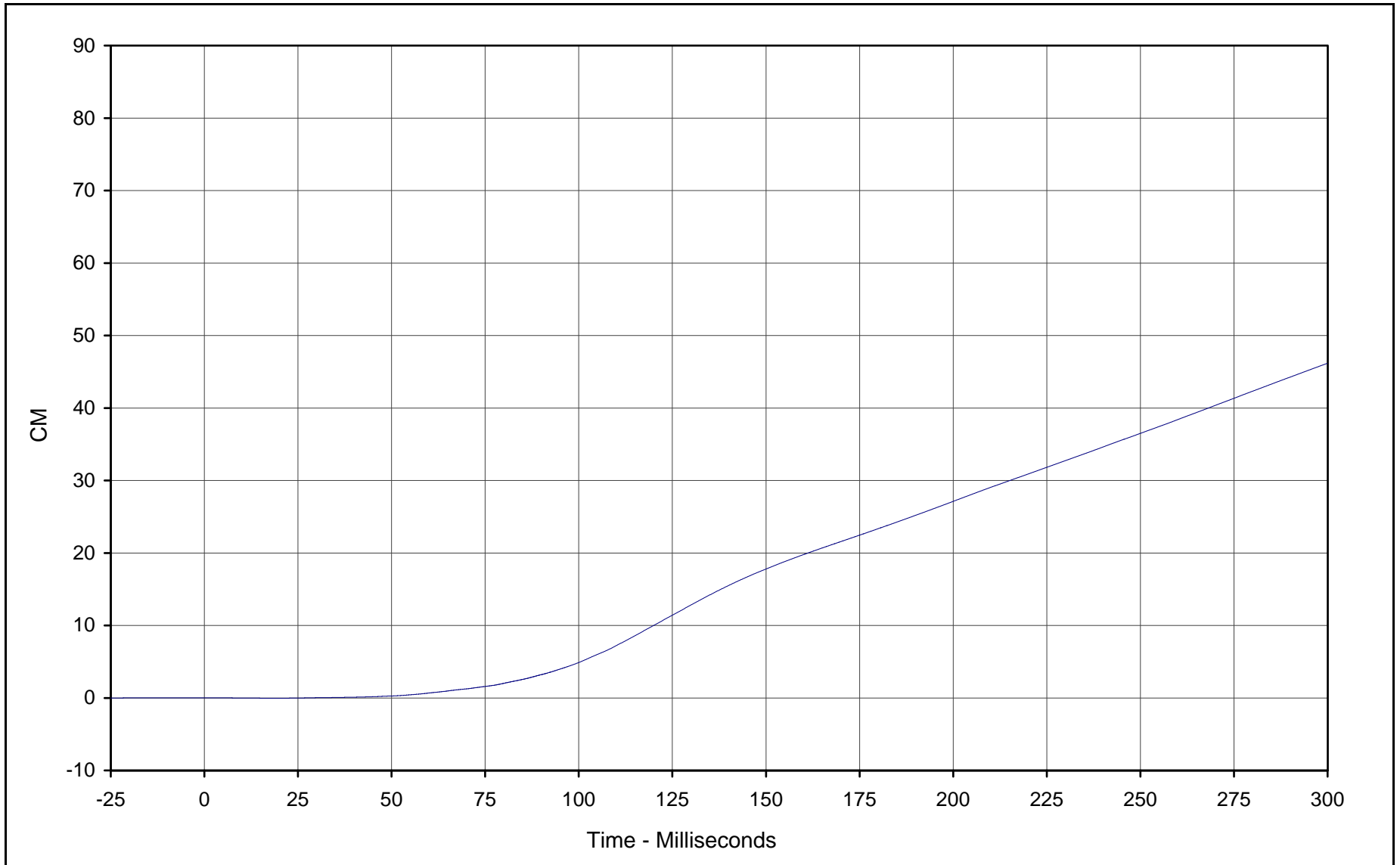
Curve Description: Vehicle Right Sill Y Velocity  
Maximum Value: 10.5 at 121.6 Milliseconds  
Minimum Value: -0.2 at 13.3 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-094

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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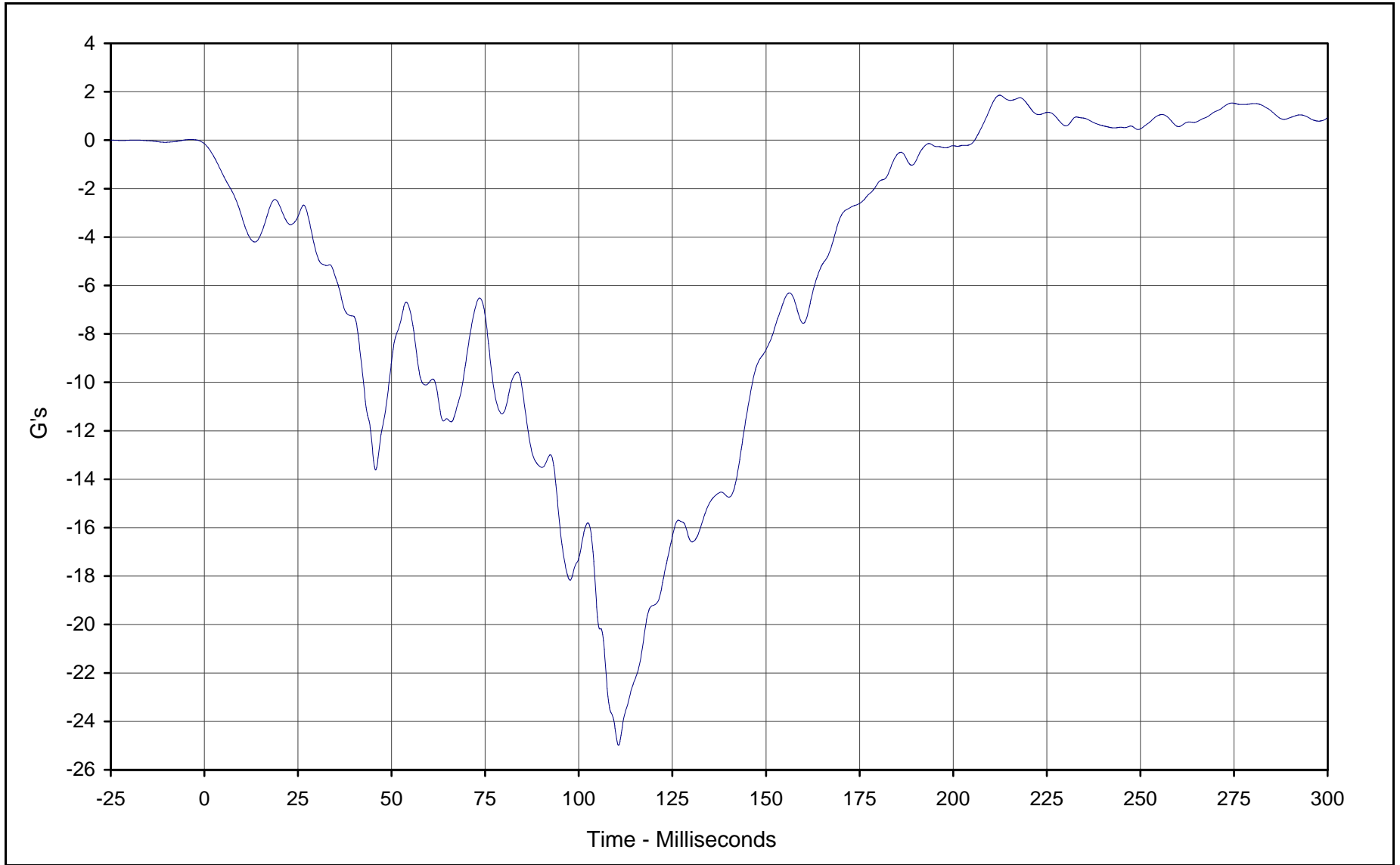
Curve Description: Vehicle Right Sill Y Displacement  
Maximum Value: 46.2 at 299.9 Milliseconds  
Minimum Value: 0.0 at 19.3 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-094

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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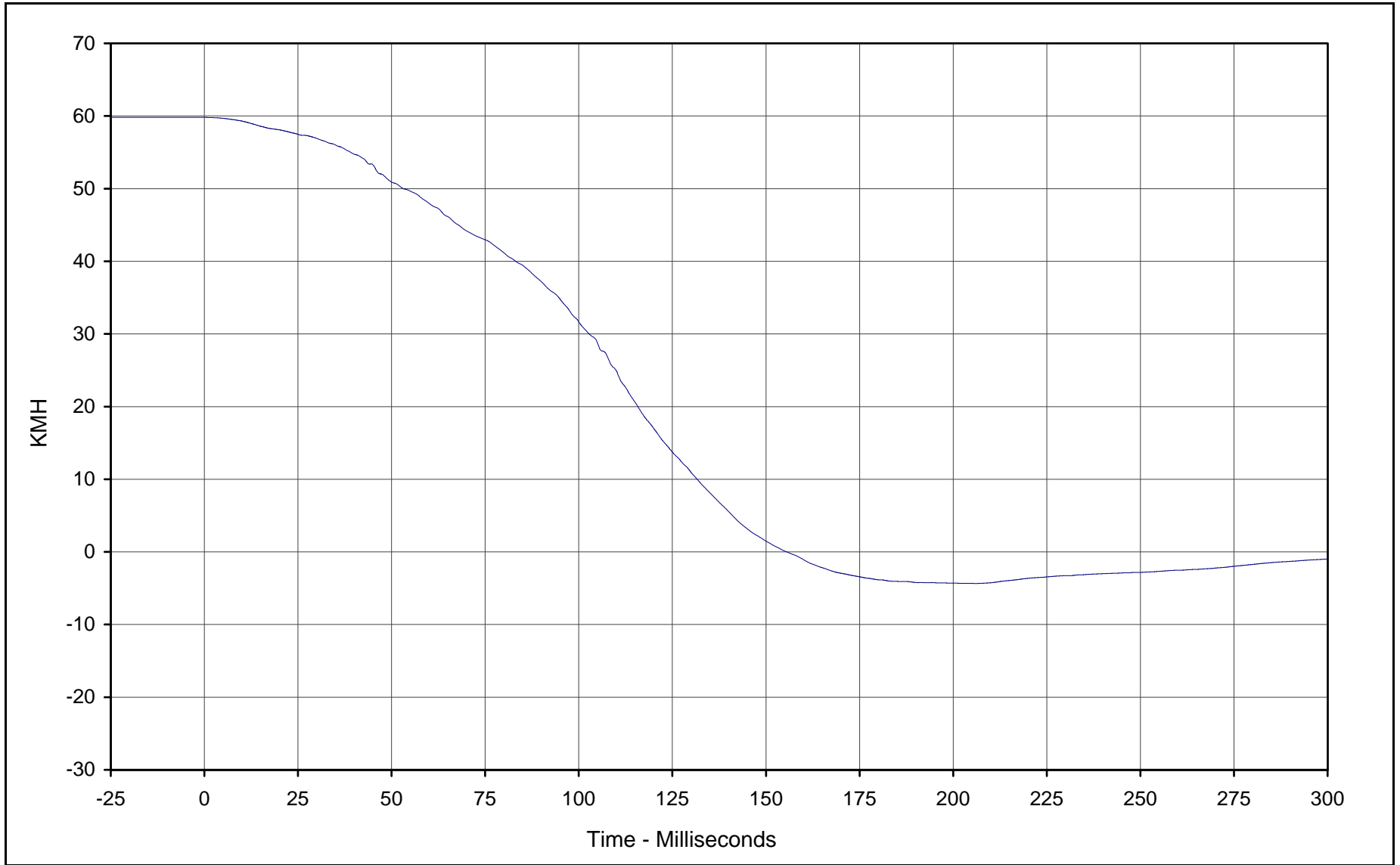
Curve Description: Vehicle Trunk X  
Maximum Value: 1.9 at 212.4 Milliseconds  
Minimum Value: -25.0 at 110.6 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-095

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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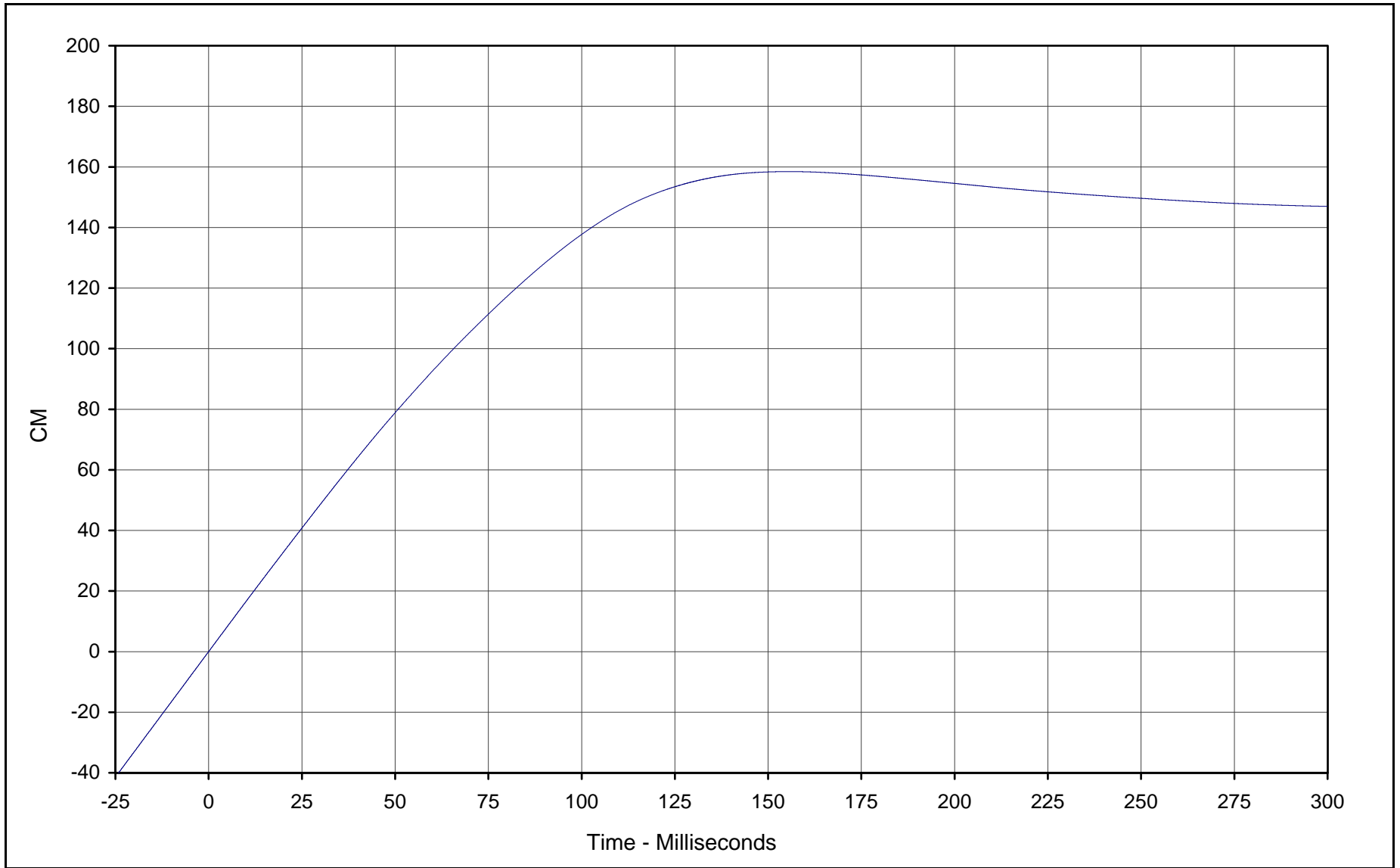
Curve Description: Vehicle Trunk X Velocity  
Maximum Value: 59.8 at 0.0 Milliseconds  
Minimum Value: -4.3 at 206.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-095

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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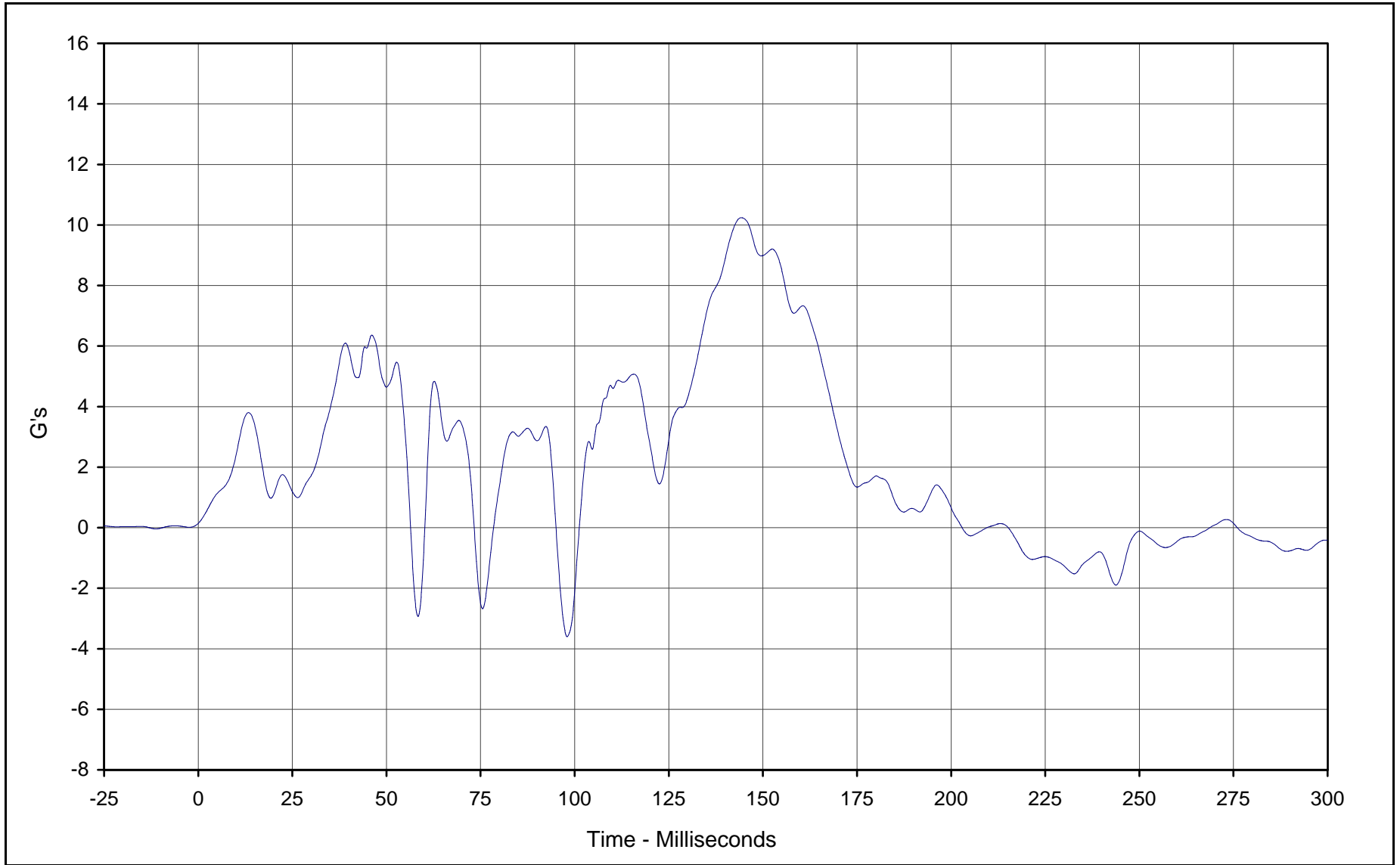
Curve Description: Vehicle Trunk X Displacement  
Maximum Value: 158.4 at 155.5 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-095

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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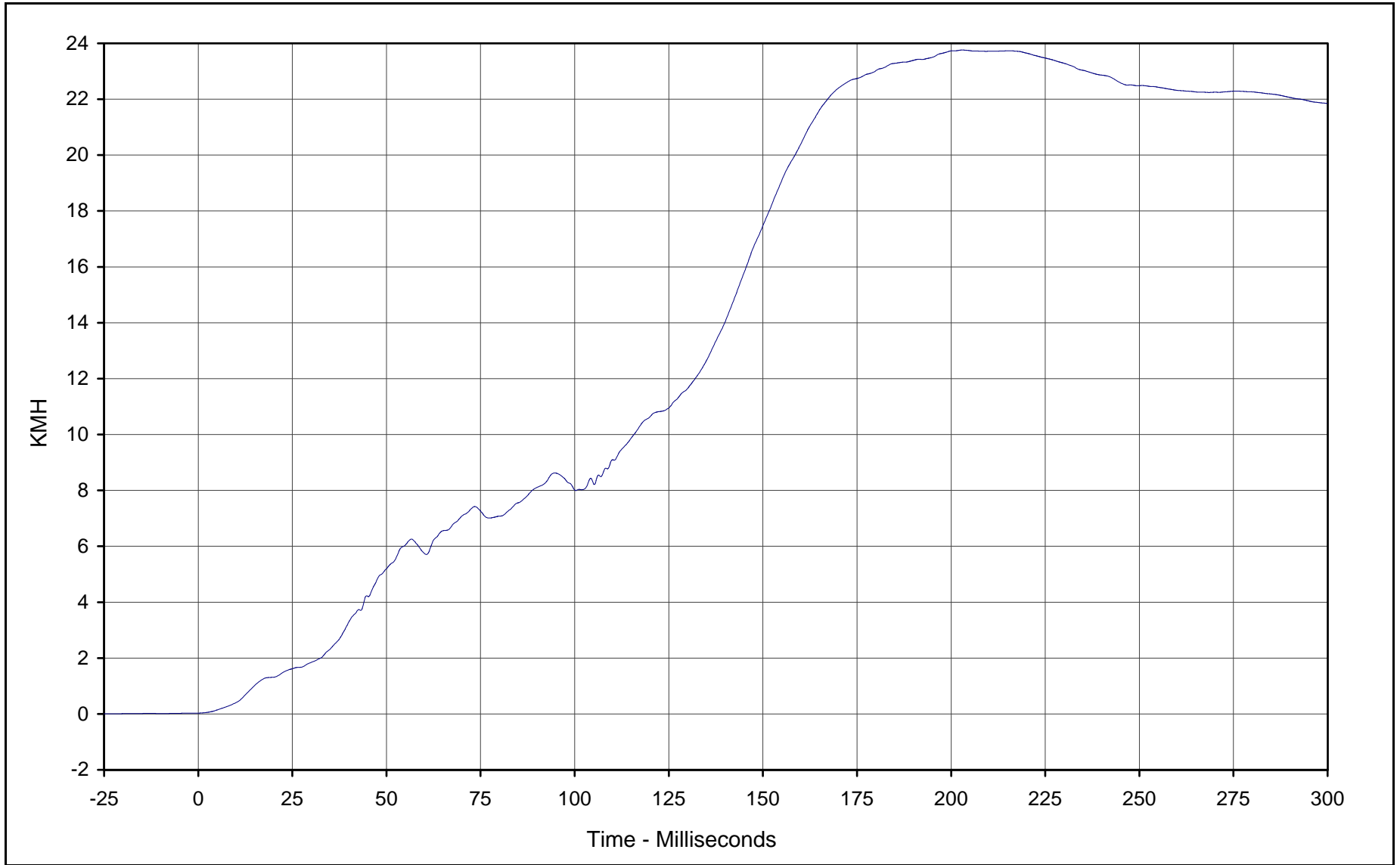
Curve Description: Vehicle Trunk Y  
Maximum Value: 10.2 at 144.2 Milliseconds  
Minimum Value: -3.6 at 98.0 Milliseconds  
SAE Filter Class: 60  
Date of Test: 08/15/00  
Curve Number: FIL-096

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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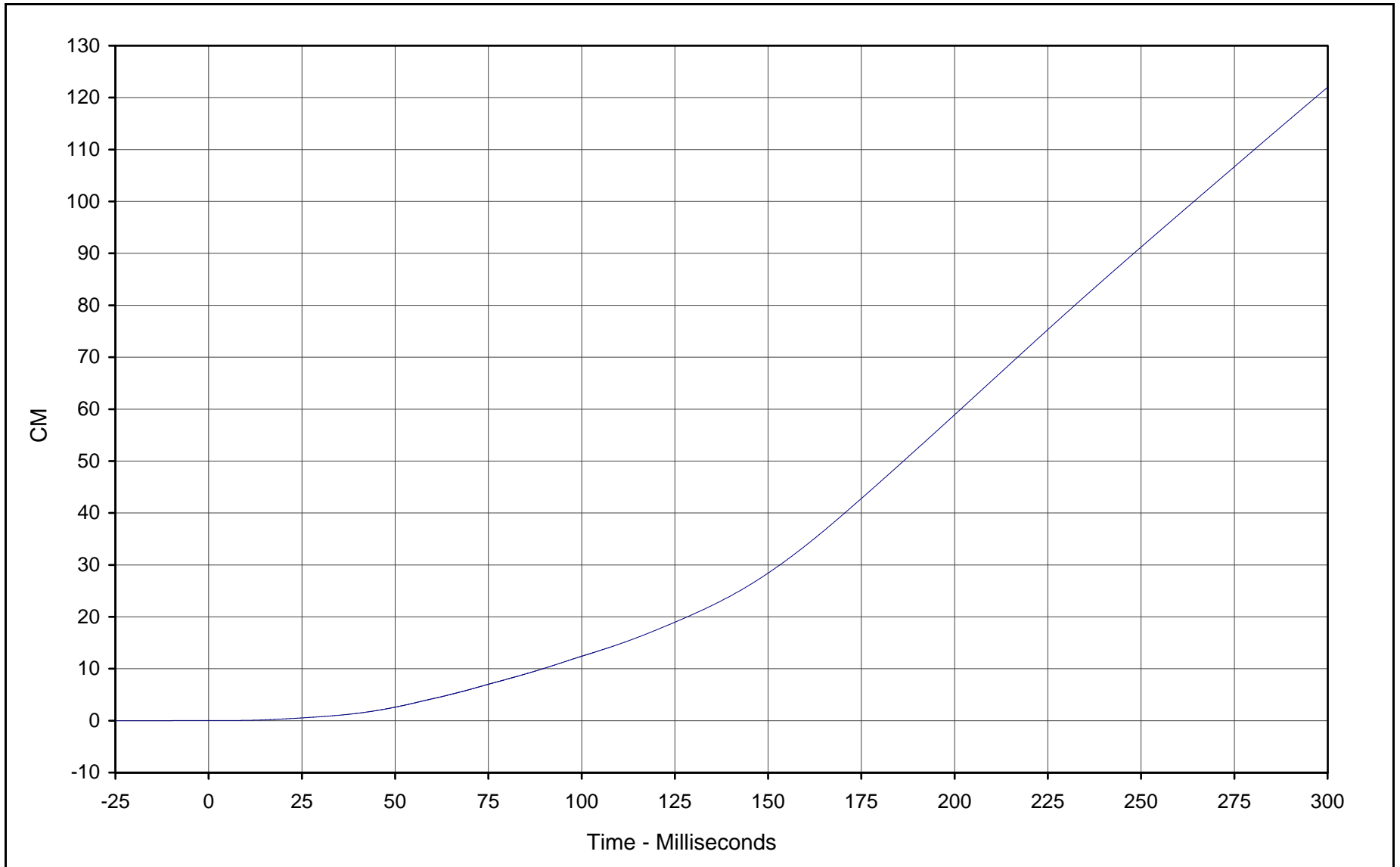
Curve Description: Vehicle Trunk Y Velocity  
Maximum Value: 23.8 at 203.0 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN1-096

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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Curve Description: Vehicle Trunk Y Displacement  
Maximum Value: 121.9 at 299.9 Milliseconds  
Minimum Value: 0.0 at 0.0 Milliseconds  
SAE Filter Class: 180  
Date of Test: 08/15/00  
Curve Number: IN2-096

Test Program: 2000 NHTSA 40% Offset No.: FORD01  
Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV



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