



2000 NHTSA 40% Offset Quick Look
2000 Ford Expedition 4WD 4 Door SUV NHTSA No. FORD01
August 15, 2000

HIC Values

	Value	t ¹	t ²	Avg. G's
Driver Primary	293.5	88.8	124.7	36.7
Driver Redundant	294.1	88.4	124.3	36.7
Passenger Primary	396.3	103.5	139.4	41.4
Passenger Redundant	396.7	103.3	139.2	41.4

Peak Femur Forces (Newtons)

	Value	t ¹
Driver Left	-3956.3	88.9
Driver Right	-1873.7	102.7
Passenger Left	-1410.8	102.8
Passenger Right	-937.8	95.3

3 Msec Chest Clip

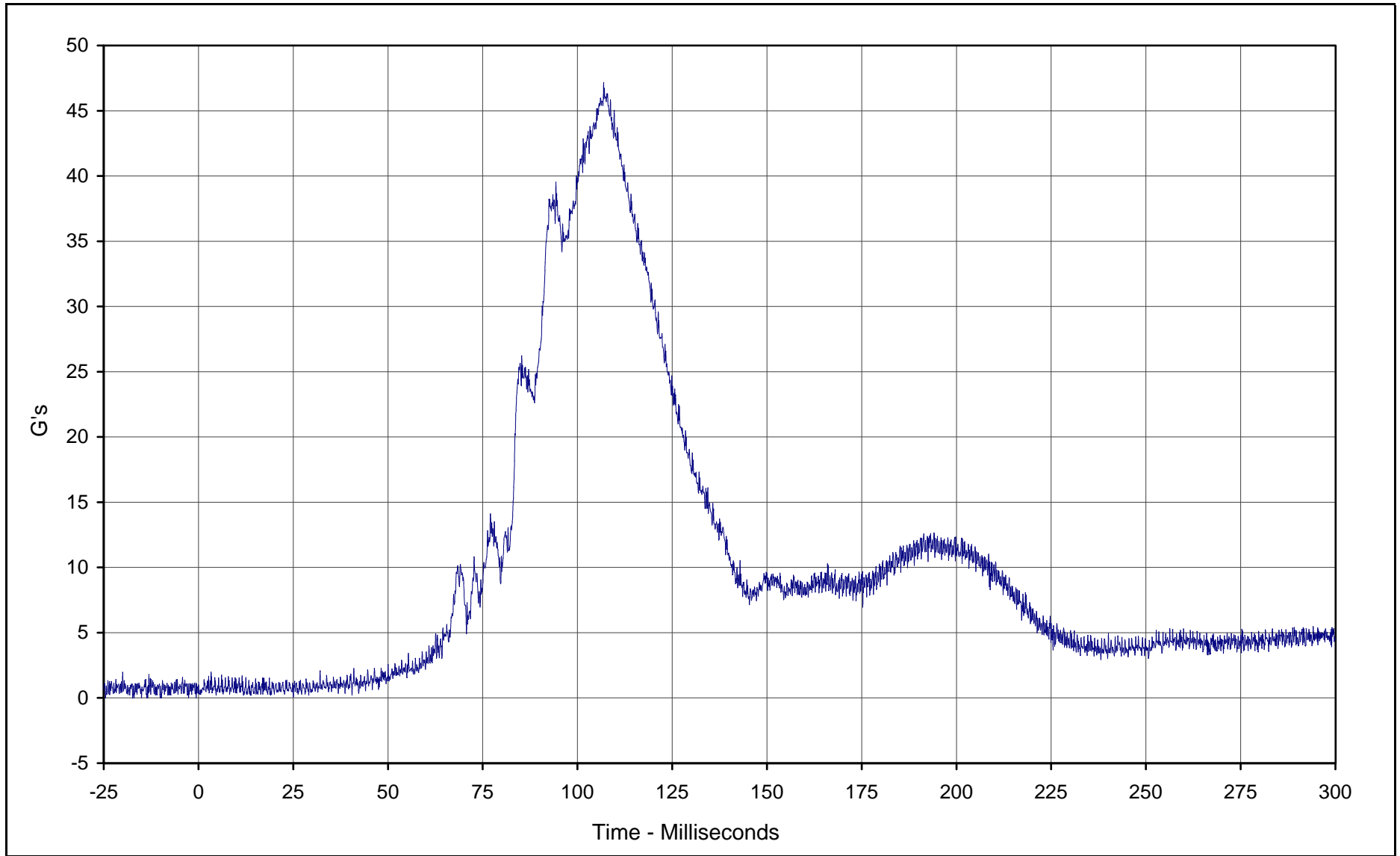
	Value	t ¹	t ²
Driver Primary	28.6	94.5	97.5
Driver Redundant	28.3	94.9	97.9
Passenger Primary	35.9	126.3	129.3
Passenger Redundant	36.0	126.3	129.3

Peak Chest Displacements (MM)

	Value	t ¹
Driver	-21.3	102.6
Passenger	-34.4	129.3

Vehicle Parameters

	Units	Value
Impact Velocity	mph	37.18
Received Weight	Pounds	5426
Test Weight	Pounds	6044



Curve Description: Driver Head Resultant Primary

Maximum Value: 47.2 at 106.9 Milliseconds

Minimum Value: 0.1 at 25.0 Milliseconds

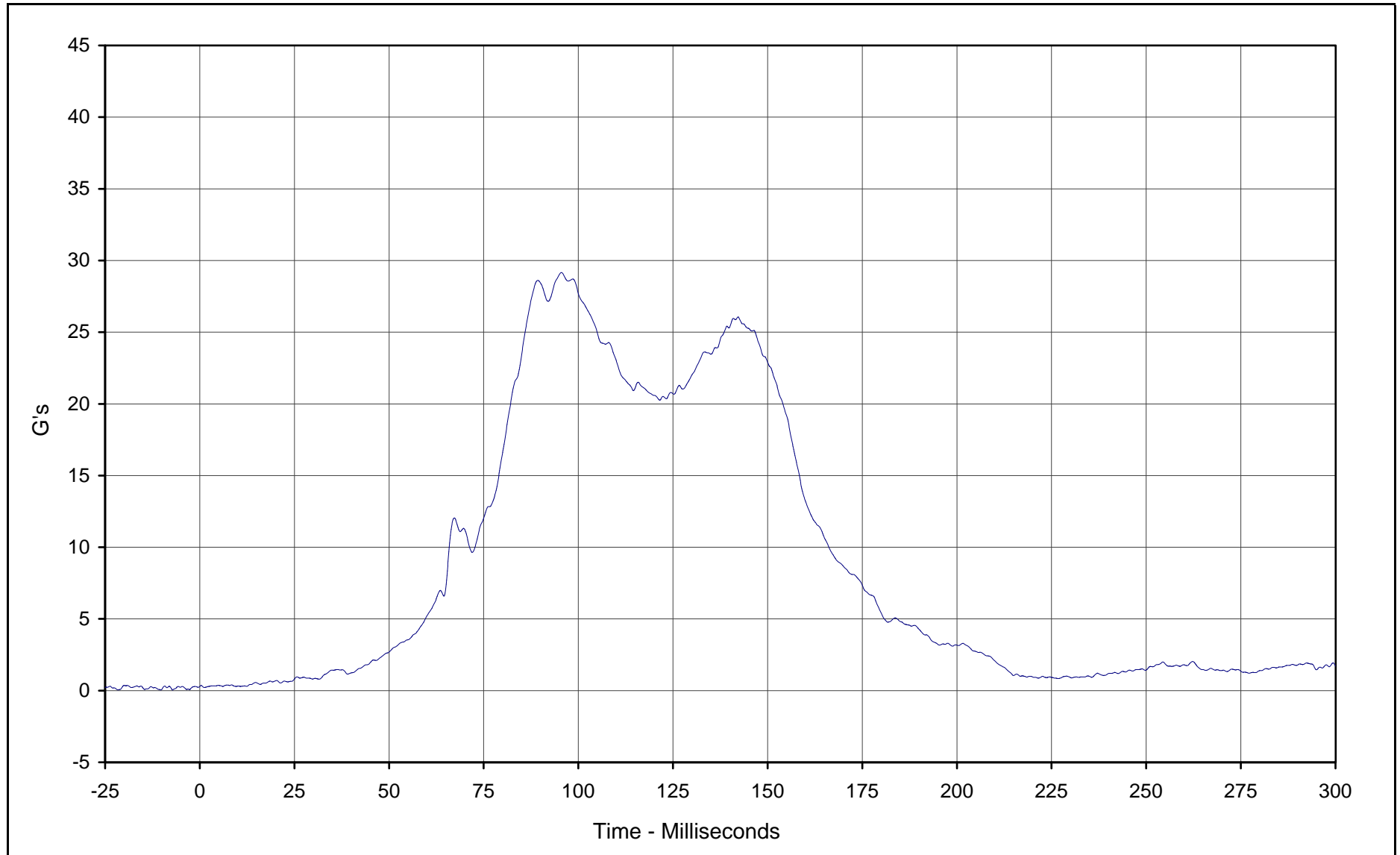
SAE Filter Class: 1000

Date of Test: 08/15/00

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

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

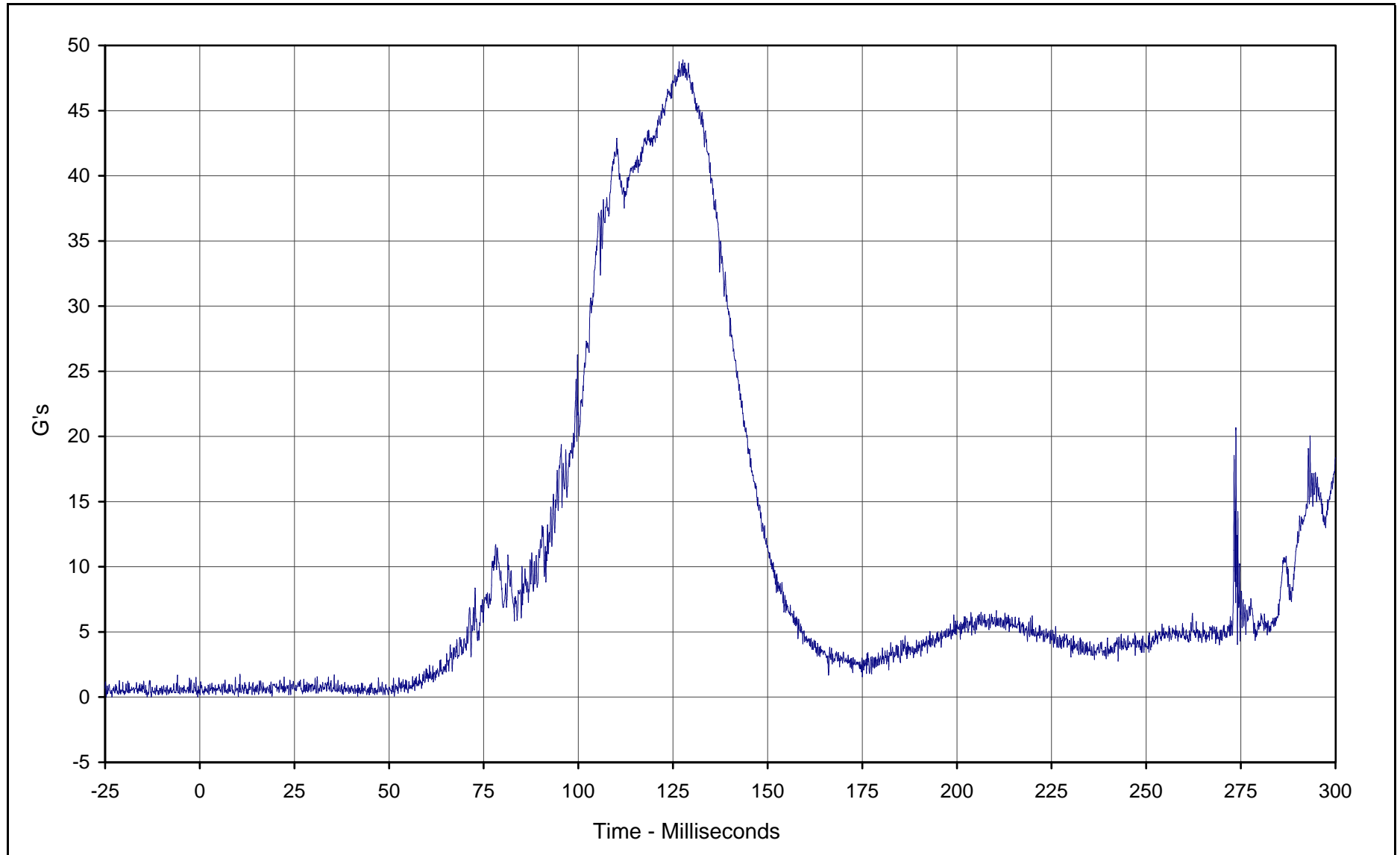




Curve Description: Driver Chest Resultant Primary
 Maximum Value: 29.2 at 95.5 Milliseconds
 Minimum Value: 0.3 at 9.6 Milliseconds
 SAE Filter Class: 180
 Date of Test: 08/15/00

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





Curve Description: Passenger Head Resultant Primary

Maximum Value: 48.9 at 127.6 Milliseconds

Minimum Value: 0.1 at 10.2 Milliseconds

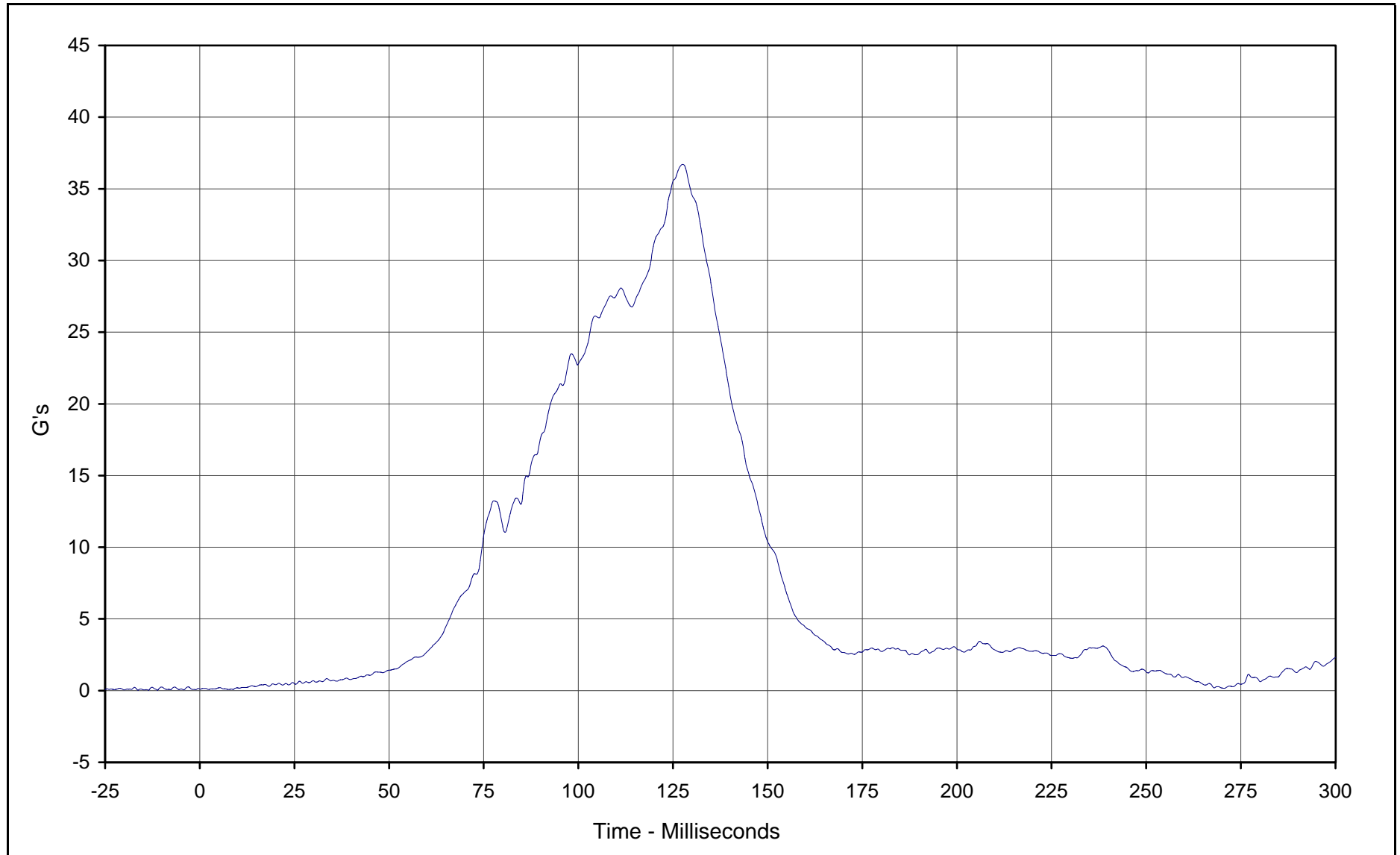
SAE Filter Class: 1000

Date of Test: 08/15/00

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

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV





Curve Description: Passenger Chest Resultant Primary

Maximum Value: 36.7 at 127.6 Milliseconds

Minimum Value: 0.1 at 8.8 Milliseconds

SAE Filter Class: 180

Date of Test: 08/15/00

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

Test Vehicle: 2000 Ford Expedition 4WD 4 Door SUV

