

REPORT NUMBER 110(IND)-GTL-03-029

**SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 110(INDICANT)
TIRE SELECTION AND RIMS**

**DAIMLERCHRYSLER CORPORATION
2003 DODGE NEON PASSENGER CAR
NHTSA NO. C30313**

**GENERAL TESTING LABORATORIES, INC.
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SEPTEMBER 25, 2003

FINAL REPORT

PREPARED FOR

**U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
SAFETY ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW
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WASHINGTON, D.C. 20590**

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16. Abstract This test was conducted on the subject, 2003 Dodge Neon passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110-02 (partial), to gather data relating to the normal load requirements specified in FMVSS 110. NHTSA's Office of Safety Performance Standards requested this data to support the agency's TREAD tire rulemaking efforts.		
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SECTION 1

INTRODUCTION

1.0 PURPOSE OF INDICANT TEST

A 2003 Dodge Neon passenger car was subjected to a FMVSS No. 110 (Indicant) test intended to gather data relating to the normal load requirements specified in FMVSS 110. NHTSA's Office of Safety Performance Standards requested this data to support the agency's TREAD tire rulemaking efforts.

1.1 TEST VEHICLE

The test vehicle was a 2003 Dodge Neon. Nomenclature applicable to the test vehicle are:

A. Vehicle Identification Number: 1B3ES56C73D205344

B. NHTSA No.: C30313

C. Manufacturer: DAIMLERCHRYSLER CORPORATION

D. Manufacture Date: 03/03

1.2 TEST DATE

The test vehicle was subjected to testing on June 02, 2003.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 TEST PROCEDURE

The vehicle was inspected, photographed and filled with fuel. It was then weighed to establish total curb weight and the weights of all wheels were measured and recorded. The vehicle was then ballasted to its normal load condition (refer to appendix) and the weights of all wheels were measured and recorded. Tire information labeling data and tire sidewall data were recorded.

This indicant test did not include any other requirements in FMVSS 110.

2.1 SUMMARY OF RESULTS

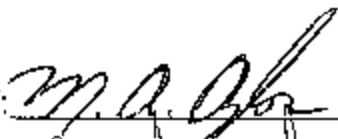
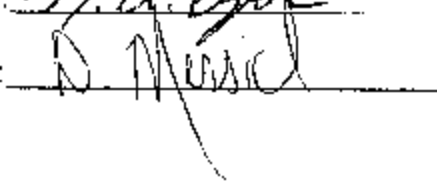
Test results are provided in Section 3.

SECTION 3 TEST DATA

DATA SHEET 1
SUMMARYVEHICLE MAKE/MODEL/BODY STYLE: 2003 DODGE NEON PASSENGER CARVEHICLE NHTSA NO.: C30313 ; VIN: 1B3ES56C73D205344LABORATORY: GENERAL TESTING LABORATORIESTEST DATE: 06/02/03

<u>REQUIREMENT</u>	<u>YES/NO</u>
The vehicle is equipped with tires that meet the requirements of FMVSS 109 or FMVSS 119.	<u>YES</u>
The vehicle normal load on the tire is not greater than the high speed performance test load specified in FMVSS 109 paragraph S5.5 or FMVSS 119 paragraph S7.4.	<u>YES</u>
For passenger cars, the tire information placard is permanently affixed to the glove compartment door or equally accessible location; and displays the required information (FMVSS 110, S4.3).	<u>YES</u>
For vehicles other than passenger cars, a combined certification/ tire information label or separate tire information label is permanently affixed to either the hinge pillar, door-latch post or to the inward-facing surface of the door next to the driver's seating position (FMVSS 120, S5.3).	<u>N/A</u>

REMARKS:

RECORDED BY: DATE: 06/02/03APPROVED BY: 

DATA SHEET 2 TEST VEHICLE INFORMATION/RECEIVING INSPECTION

LABORATORY: GENERAL TESTING LABORATORIES DATE: 06/02/03

VEHICLE MODEL YEAR/MAKE/MODEL/BODY STYLE: 2003 DODGE NEON

MANUFACTURE DATE: 03/03 NHTSA NO.: C30313 BODY COLOR: BLAZE RED

VIN: 1B3ES56C73D205344 VEHICLE TYPE: PASSENGER CAR

GVWR 1679 kg (3700 lbs) GAWR(Fr) 923 kg (2034 lbs) GAWR(Rr) 779 kg (1716 lbs)

BELTED SEATING POSITIONS: FRONT 2 MID N/A REAR 3 OTHER N/A

ENGINE DATA: 4 Cylinders 2.0 Liters Cubic Inches

TRANSMISSION DATA: X Automatic Manual No. of Speeds

FINAL DRIVE DATA: Rear Drive X Front Drive 4 Wheel Drive

INSTALLED TIRE DATA: Size - P185/60R15 Mfr. - GOODYEAR EAGLE

CHECK APPROPRIATE BOXES FOR VEHICLE EQUIPMENT/MAKE SURE ALL OPTIONS ON WINDOW STICKER ARE LISTED:

☒	Air Conditioning		Traction Control	☒	Clock
☒	Tinted Glass		All Wheel Drive		Roof Rack
☒	Power Steering	☒	Cruise Control	☒	Console
☒	Power Windows		Rear Window Defroster	☒	Driver Air Bag
☒	Power Door Locks	☒	Sun Roof or T-Top	☒	Passenger Air Bag
	Power Seat(s)	☒	Tachometer	☒	Front Disc Brakes
☒	Power Brakes		Tilt Steering Wheel		Rear Disc Brakes
	Antilock Brake System	☒	AM/FM/CD		Other -

ARE ALL OPTIONS LISTED ON "WINDOW STICKER" PRESENT ON THE TEST VEHICLE:
(YES/NO) Yes

REMARKS:

RECORDED BY: M. A. Gaby

DATE: 06/02/03

APPROVED BY: D. Messick

DATA SHEET 3
CURB WEIGHT WITH OPTIONS AND NORMAL LOAD

VEHICLE MAKE/MODEL/BODY STYLE: 2003 DODGE NEON PASSENGER CAR

VEHICLE NHTSA NO.: C30313 ; VIN: 1B3ES56C73D205344

LABORATORY: GENERAL TESTING LABORATORIES

TEST DATE: 06/02/03

Full Fluid Levels:

Fuel Full; Coolant Full; Other Fluids Full

Tire Pressure: LF 220 KPA (32 psi) LR 220 KPA (32 psi)
 RF 220 KPA (32 psi) RR 220 KPA (32 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 396 KG (873 LB) LR 217 KG (479 LB)
 RF 385 KG (849 LB) RR 235 KG (518 LB)

Front Axle 781 KG (1722 LB) Rear Axle 452 KG (997 LB)

Total Vehicle 1233 KG (2719 LB)

B. MEASURED VEHICLE WEIGHT IN NORMAL LOAD CONDITION

(1) Seating Capacity (from Tire Information Placard) = 5
 Seating Capacity (# of belted seating positions) = 5

(2) Normal Load # of Occupants from Appendix
 Occupant Distribution: Front Seat- 2 Second Seat- 1
 Third Seat - N/A Fourth Seat- N/A

(3) Total Normal Occupant Load 204 KG (450 LB)
 (# of occupants x 68 KG per occupant)

(4) Measured Normal Load on Each Wheel and Axles (Sum)

LF 440 KG (969 LB) LR 274 KG (605 LB)
 RF 432 KG (953 LB) RR 289 KG (637 LB)

Frt Axle 872 KG (1922 LB) Rr Axle 563 KG (1242 LB)

Total Vehicle 1435 KG (3164 LB)

DATA SHEET 3 – CONTINUED

- (5) Calculated Vehicle Normal Load on the Tire
Front Tires (measured front axle normal load/2) = 436 KG (961 LB)
Rear Tires (measured front axle normal load/2) = 282 KG (621 LB)
- (6) High Speed Test Load from (X) FMVSS 109 (\$5.5), or () FMVSS 119 (\$7.4)

	Front	Rear
(a) Installed Tire Size	<u>P185/60R15</u>	<u>P185/60R15</u>
Max. Load Rating on Sidewall	<u>500 KG(1102 LBS)</u>	<u>500 KG(1102 LBS)</u>
Reduced Sidewall Load Rating (if applicable)*	<u>N/A</u>	<u>N/A</u>
High Speed Test Load (88% of sidewall max. load rating)	<u>440 KG(970 LBS)</u>	<u>440 KG(970 LBS)</u>
(b) Optional Tire Size(s)	<u>P175/70R14</u>	<u>P175/70R14</u>
Max. Load Rating on Sidewall (From 2003 Tire & Rim Association Yearbook)	<u>500 KG(1102 LBS)</u>	<u>500 KG(1102 LBS)</u>
Reduced Sidewall Load Rating (if applicable)*	<u>N/A</u>	<u>N/A</u>
High Speed Test Load (88% of sidewall max. load rating)	<u>440 KG(970 LBS)</u>	<u>440 KG(970 LBS)</u>

* If a passenger car tire is installed on a multipurpose passenger vehicle (MPV), truck or bus, the tire's load rating shall be reduced by dividing by 1.10.

REMARKS: The Vehicle Normal Load on the Tire is not greater than the High Speed Test Load

RECORDED BY: *M. A. [Signature]*

DATE: 06/02/03

APPROVED BY: *[Signature]*

DATA SHEET 4
TIRE INFORMATION LABEL OR PLACARD

VEHICLE MAKE/MODEL/BODY STYLE: 2003 DODGE NEON PASSENGER CAR

VEHICLE NHTSA NO.: C30313 VIN: 1B3ES56C73D205344

LABORATORY: GENERAL TESTING LABORATORIES

TEST DATE: 06/02/03

A. Vehicle Type from Certification Label: Passenger Car

B. Identify Vehicle Labeling:

Vehicle has a combined Certification Tire Information Label ☐ Yes ☒ No

Is Label Permanently Affixed: ☐ Yes ☐ No

Label Location: _____

Description of Label: _____

Vehicle has a separate Tire Information Label or Placard ☒ Yes ☐ No

Is Label Permanently Affixed: ☒ Yes ☐ No

Label Location: Driver's Door

Description of Label: Paper, Vinyl Coated

C. Enter Information from Combined or Separate Tire Information Label/Placard

Vehicle Capacity Weight - 392 KG (865 LBS)

Designated Seating Capacity (DSC) - 5

Expressed In—

(1) Total No. of Occupants ☒ Yes ☐ No

(2) Terms of Occupants for Each Seat Location ☒ Yes ☐ No

Manufacturer's Recommended Tire Size and Cold Tire Inflation Pressure For Maximum Load Vehicle Weight:

P185/60R15

FRONT - 220 kPa (32 psi)

REAR - 220 kPa (32 psi)

P175/70R14

FRONT - 220 kPa (32 psi)

REAR - 220 kPa (32 psi)

Manufacturer's Recommended Tire Size and Cold Tire Inflation Pressure For Other Load Conditions: NONE

REMARKS:.

RECORDED BY: M. A. Olin

DATE: 06/02/03

APPROVED BY: [Signature]

DATA SHEET 5
VEHICLE TIRE DATAVEHICLE MAKE/MODEL/BODY STYLE: 2003 DODGE NEON PASSENGER CARVEHICLE NHTSA NO.: C30313 ; VIN: 1B3ES56C73D205344LABORATORY: GENERAL TESTING LABORATORIESTEST DATE: 06/02/03All tires on the vehicle are the same size: (Yes/No) Yes

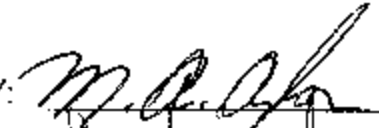
INFORMATION FROM TIRE SIDEWALL:

Left Front Tire

Tire Size Designation P185/60R15Tire Load Index/Speed Symbol 84TMaximum Inflation Pressure 300 kPa (44 psi)Maximum Load Rating 500 KG (1102 LBS.)Mfr. Name or Brand & Code GOODYEAR EAGLETube or Tubeless TUBELESSTreadwear/Traction/Temp.
Grades 360/A/BSidewall (Plies & Composition) 1 PLY POLYESTERTread (Plies & Composition) 1 PLY POLYESTER
2 PLY STEELSerial Number: Right Front - DOT M6MF HMCR 0703

Tire has "DOT" markings: (X) YES () NO () UNDETERMINED

REMARKS:

RECORDED BY: DATE: 06/02/03APPROVED BY: 

SECTION 4
INSTRUMENTATION AND EQUIPMENT LIST

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE
PAD SCALES	#1 199744LF	199744LF	06/02	06/20/03
	#2 199744RF	199744RF	06/02	06/20/03
	#3 199744LR	199744LR	06/02	06/20/03
	#4 199744RR	19974RR	06/02	06/20/03
PRESSURE GAGE	WESKLER	0-100	05/03	05/04
SURFACE LEVEL	GTL	N/A	BEFORE USE	BEFORE USE

SECTION 5
PHOTOGRAPHS



FIGURE 3 :
FRONTAL VIEW OF VEHICLE

2002 DODGE NEON EXT
NHTSA NO. C00010
FMVSS NO. TIGINDICANT

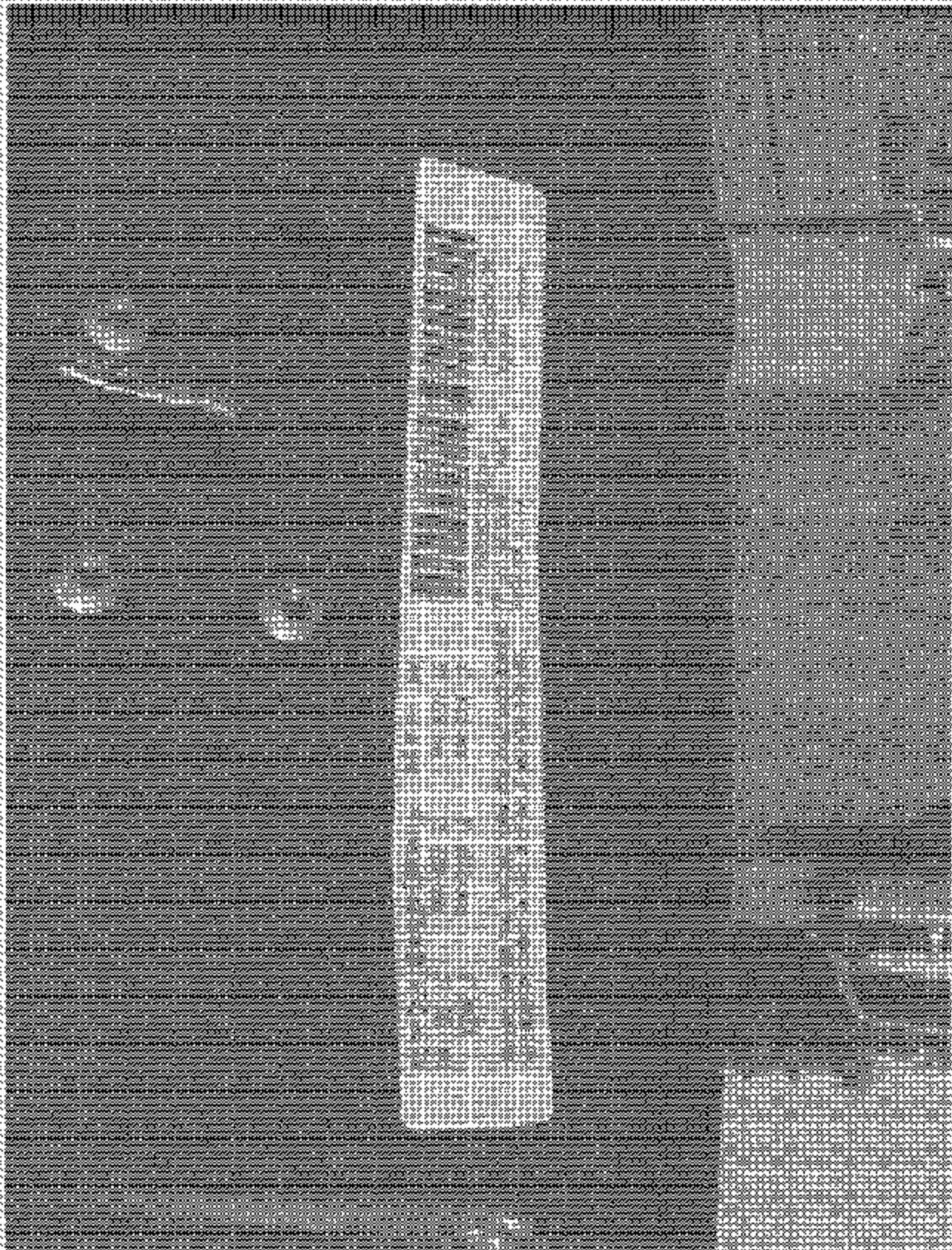
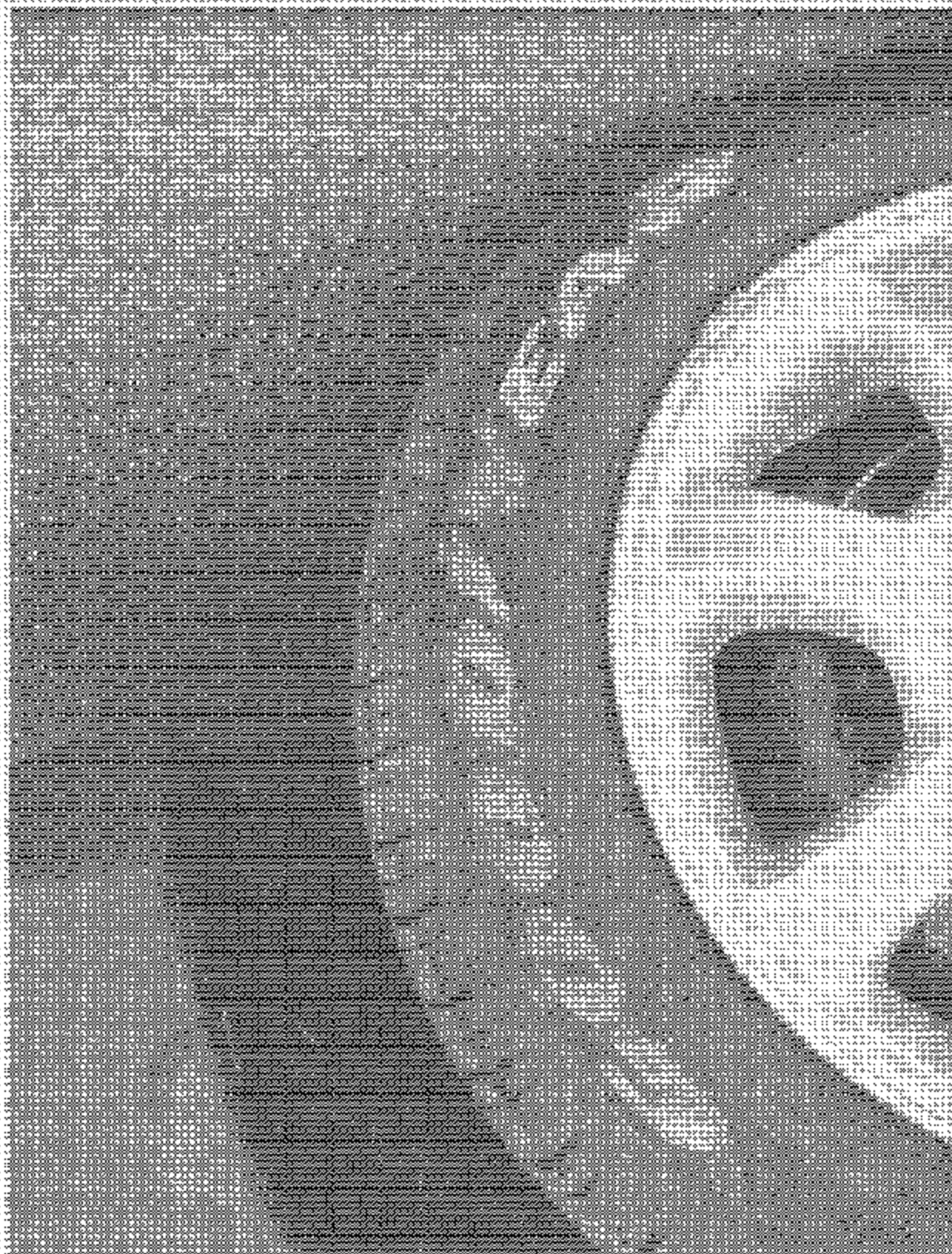


FIGURE 52
VEHICLE'S CERTIFICATION LABEL

2005 DODGE NEON SXT
M/TSA NO. C00213
FRYS NO. 110 (INDICANT)

[illegible][illegible]



100% POLYESTER
NATURAL
POLYESTER
POLYESTER

100% POLYESTER
NATURAL
POLYESTER

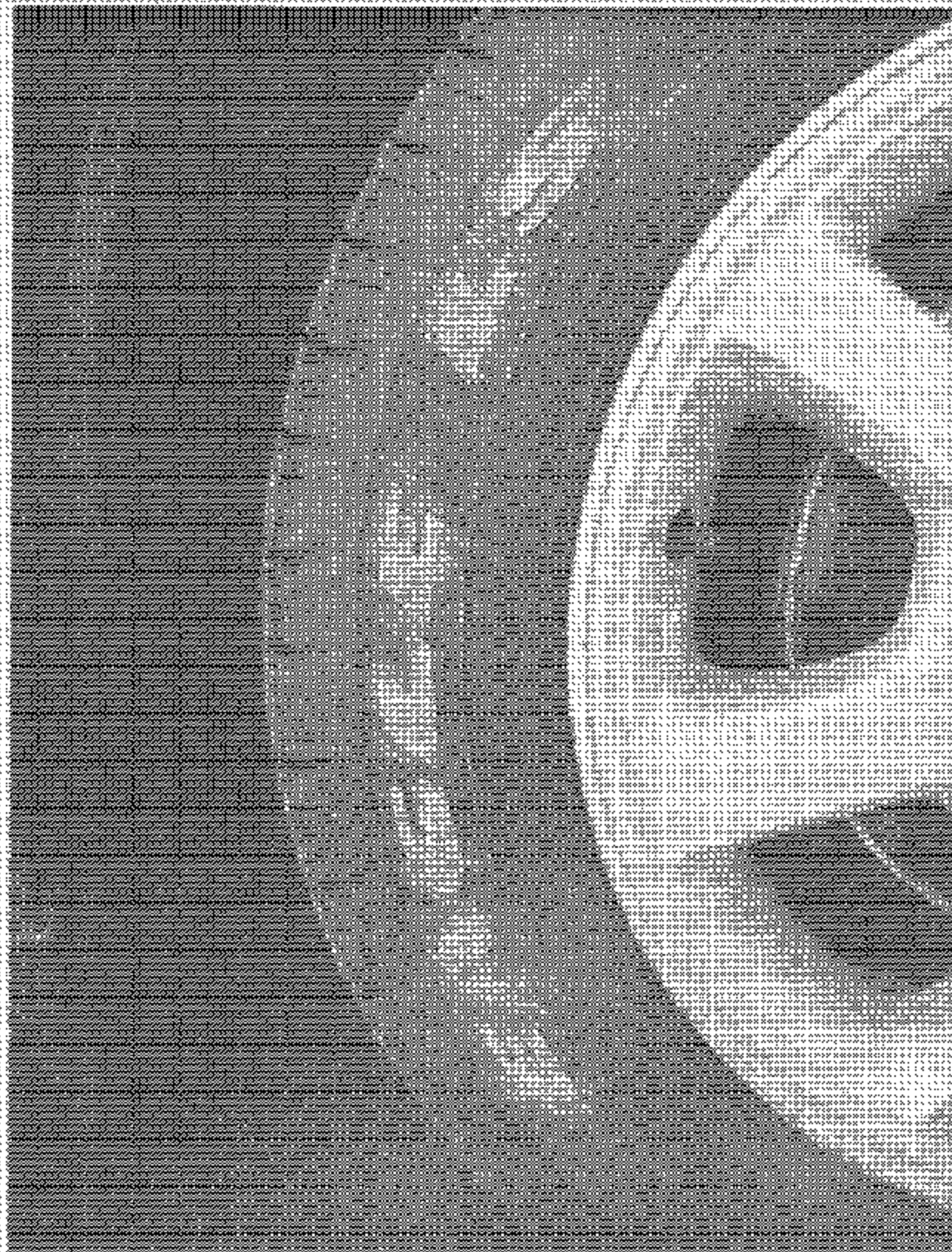


FIGURE 1
SHOWING THE
SHADOWS

EXHIBIT 100
NHTSA NO. 230011
PAGE 100 OF 100



2003 DODGE NEON SXT
MITSUBISHI CACON
TREAD INDICANT

FIGURE 5C
TREAD SHOWING SIZE, LOAD INDEX AND SPEED
SYMBOL

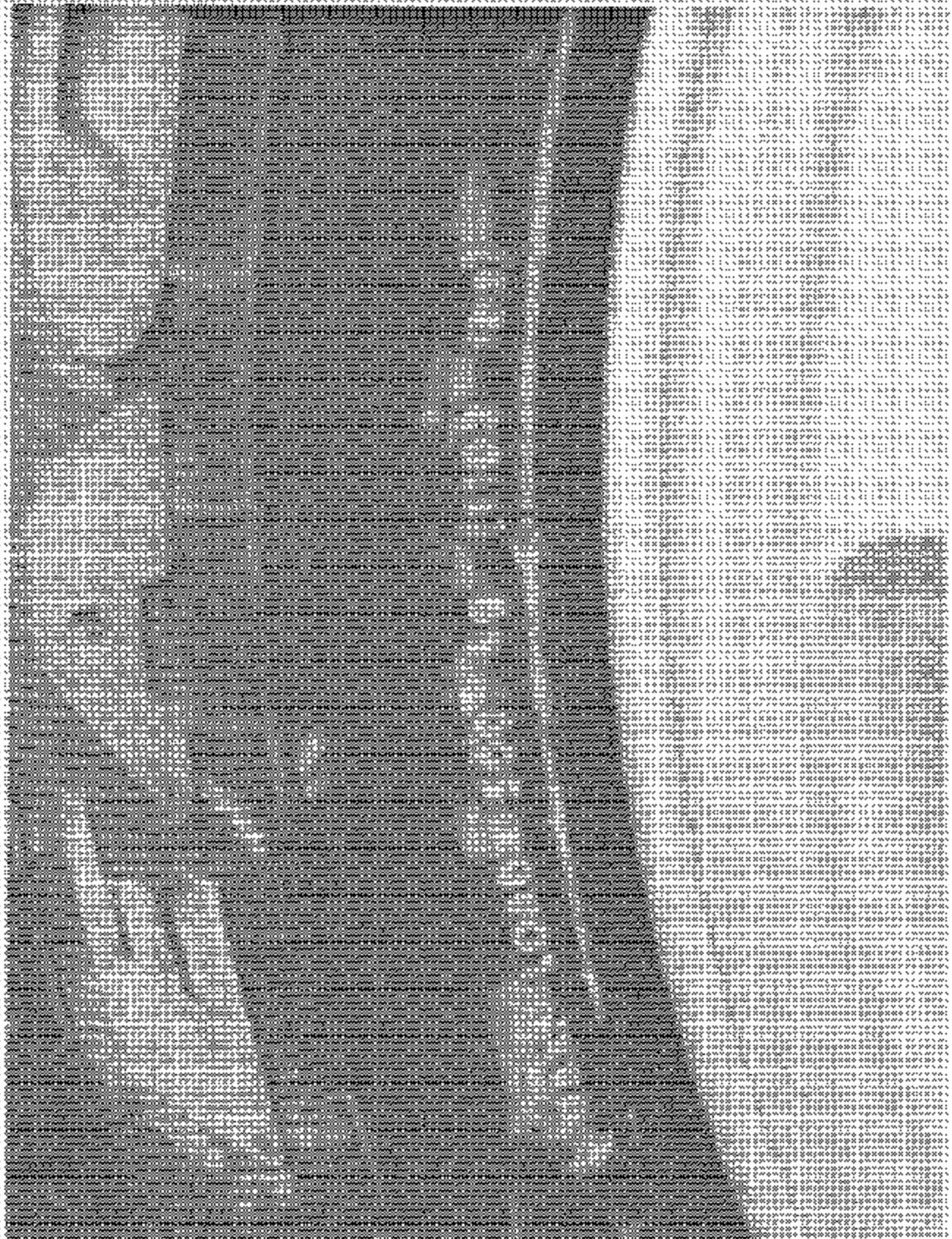
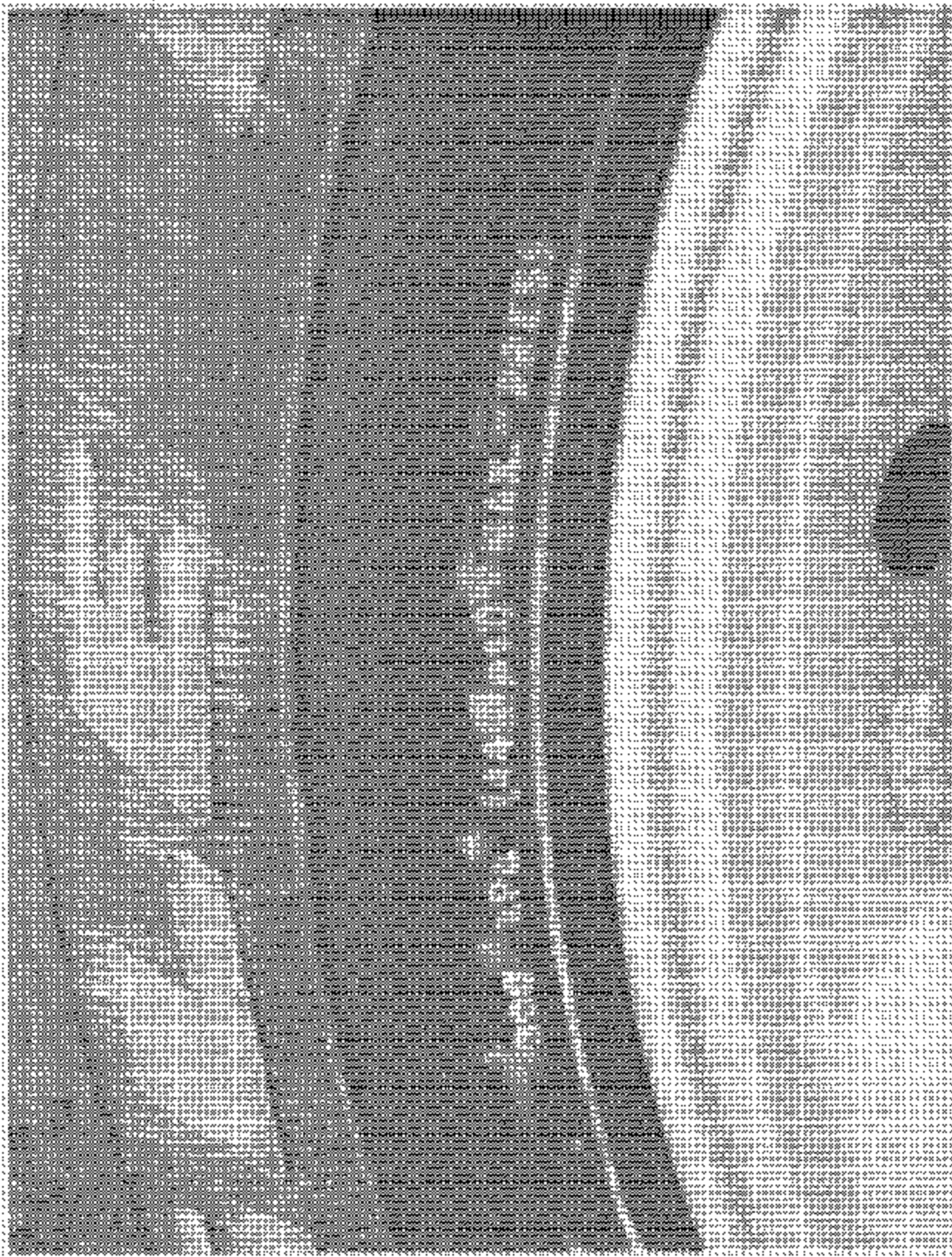


FIGURE 3
FIRE SHOWING MAXIMUM RATING

RESEARCH REPORT
NO. 100
FIRE SHOWING MAXIMUM RATING



END DODGE NEON SX
NHTSA NO. C00370
FMVSS NO. 210 (INDICATED)

FIGURE 5.6
FIRE SHOWING MAX INFLATION PRESSURE

00134845 554 0103

2023 DOB OF NEWBORN SM
LKS NCEN 20230713292
IN 21302 ON 05-11-23
ISSUING HOSPITALITY

THE UNIVERSITY OF CHICAGO



2013 DODGE NITRO SXI
NHTSA NO. C35375
FMVSS NO. 401 AND 402

FIGURE 10-10
VEHICLE RELEASED TO SIMILAR
NORMAL LOAD CONDITION

APPENDIX

Table 1 – Occupant Loading and Distribution for Vehicle Normal Load for Various Designated Seating Capacities

Designated Seating Capacities, numbers of Occupants	Vehicle normal load, number of occupants	Occupant distribution in a normally loaded vehicle
2 through 4	2	2 in front
5 through 10	3	2 in front, 1 in second seat
11 through 15	5	2 in front, 1 in second seat, 1 in third seat, 1 in fourth seat
16 through 22	7	2 in front, 2 in second seat, 2 in third seat, 1 in fourth seat

NOTE: For the indicant test each seat was adjusted to its full down and mid forward to aft position with the seat back adjusted to a 25° reclined angle. Each designated seat position was ballasted with 54 KG (120 LBS) in the seat and 14 KG (30 LBS) on the floor directly in front of the respective seat position.