SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 110
TIRE SELECTION AND RIMS

DAIMLERCHRYSLER CORPORATION
2005 CHRYSLER 300, 4-DOOR PASSENGER CAR
NHTSA NO. C50306

GENERAL TESTING LABORATORIES, INC.
1623 LEEDSTOWN ROAD
COLONIAL BEACH, VIRGINIA 22443

JULY 5, 2005
FINAL REPORT

PREPARED FOR
U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
440 SEVENTH STREET, SW
ROOM 6111 (NVS-220)
WASHINGTON, D.C. 20590
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Prepared By: [Signature]

Approved By: [Signature]

Approval Date: 7/5/05

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Accepted By: [Signature]

Acceptance Date: 7/16/05


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<td>General Testing Laboratories, Inc. 1623 Leedstown Road Colonial Beach, Va 22443</td>
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<tr>
<td>16. Abstract</td>
<td>Compliance tests were conducted on the subject 2005 Chrysler 300 passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110-02 for the determination of FMVSS 110 compliance. Test failures identified were as follows: NONE</td>
</tr>
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<td>Compliance Testing Safety Engineering FMVSS 110</td>
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SECTION 1
INTRODUCTION

1.0 PURPOSE OF COMPLIANCE TEST

A 2005 Chrysler 300 4-door passenger car was subjected to FMVSS No. 110 testing to determine if the vehicle was in compliance with the requirements of the standard. All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Procedure, TP-110-02 dated 14 December 1989 and General Testing Laboratories, Inc (GTL) Test Procedure, TP-110-02 dated 22 May 2002.

1.1 TEST VEHICLE

The test vehicle was a 2005 Chrysler 300 4-door passenger car. Nomenclature applicable to the test vehicle are:

A. Vehicle Identification Number: 2C3JA43R65H566582

B. NHTSA No.: C50306

C. Manufacturer: DAIMLERCHRYSLER CORPORATION

D. Manufacture Date: 08/04

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 110 testing during the time period May 25 through May 31, 2005.
SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 GENERAL

The 2005 Chrysler 300 4-door passenger car, NHTSA No. C50306, was subjected to FMVSS No. 110 testing during the time period May 25 through May 31, 2005.

2.1 TEST PROCEDURE

Prior to test, the test vehicle was inspected for completeness, systems operability and appropriate fuel and liquid levels, i.e., oil and coolant. The vehicle was then photographically documented as required by the DOT/NHTSA and GTL test procedures. Subsequent events included weighing the vehicle to establish delivered curb weight and the distribution of weight on the front and rear axles and each wheel position. The vehicle normal load as well as the maximum load on each wheel were measured. Data from each tire furnished with the vehicle were recorded. The vehicle tire placard was surveyed and photographed. Required dimensional data and other identifying data for the left front and right rear rims were obtained. The contour of the aforementioned rims was documented photographically.

In preparation for the deflated tire retention test, test instrumentation was installed in the vehicle. With the driver aboard, the vehicle was ballasted to equal the "vehicle maximum load on the tire" on the front and rear axle, as previously established. The tire pressure of all tires was adjusted to placard specifications for cold tire inflation at maximum loaded vehicle weight. The deflated tire retention test was then conducted on the left front tire followed by the right rear tire. The tests were conducted with the vehicle traveling in a straight line at 96.6 kph (60 mph). The respective tire was blown by an explosive charge on the tire's sidewall. Test data collected during the test included vehicle speed, deceleration, stopping distance, distance of uncontrolled deviation from a straight line and tire pressure. After the vehicle was stopped, any tire bead separation from the rim flange was documented photographically.

2.2 SUMMARY OF RESULTS

The test vehicle appears to be in compliance with the requirements of FMVSS No. 110.
SECTION 3

TEST DATA
DATA SHEET 1
SUMMARY

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306 ; VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

REQUIREMENT
PASSED/FAIL

TIRE LOAD LIMITS AND PLACARD

The vehicle is equipped with tires that meet the requirements of FMVSS 109. (FMVSS 110, S4.1)  
PASS

The vehicle maximum load on the tire shall not be greater than the applicable maximum load rating as marked on the sidewall of the tire. (FMVSS 110, S4.2.1)  
PASS

The vehicle normal load on the tire shall not be greater than the high speed performance test load specified in FMVSS 109 paragraph S5.5. (FMVSS 110, S4.2.2)  
PASS

The placard must be permanently affixed to the glove compartment door or equally accessible location; and display the required information. (FMVSS 110, S4.3)  
PASS

No inflation pressure other than the maximum permissible inflation pressure is specified unless as required. (FMVSS 110, S4.3.1)  
PASS

RIM DIMENSIONS

Each rim shall be constructed to the dimensions of a rim or alternate specified for the tire size. (FMVSS No. 110, S4.4.1 (a))  
PASS

DEFLATED TIRE RETENTION

Each rim shall retain the deflated tire until the vehicle can be stopped. (FMVSS 110, S4.4.1(b))  
PASS

Statement of indication of compliance or noncompliance to FMVSS 110 and data reference: THE CHRYSLER 300 APPEARS TO COMPLY WITH THE REQUIREMENTS OF FMVSS 110.

REMARKS:

RECORDED BY:  
DATE: 05/31/05
APPROVED BY:  

DATA SHEET 2
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

LABORATORY: GENERAL TESTING LABORATORIES     DATE: 05/25/05

VEHICLE MODEL YEAR/MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300

MANUFACTURE DATE: 09/04  NHTSA NO.: C50306 BODY COLOR: GREY/SILVER

VIN: 2C3JA43R66H566582     VEHICLE TYPE: PASSENGER CAR

GVWR 2226 kg (4906 lbs)   GAWR(Fr) 1275 kg (2810 lbs)   GAWR(Rr) 1275 kg (2810 lbs)

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

ENGINE DATA: 6 Cylinders 2.7 Liters   ___ Cubic Inches

TRANSMISSION DATA: X Automatic ___ Manual   4 No. of Speeds

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

INSTALLED TIRE DATA: Size - P215/65R17     Mfr. - GOODYEAR

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

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

REMARKS:

RECORDED BY: _______________ DATE: 05/25/05

APPROVED BY: _______________
DATA SHEET 3
CURB WEIGHT WITH OPTIONS, NORMAL LOAD, VEHICLE MAXIMUM LOAD

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306; VIN: 2C3JA43R65H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

Full Fluid Levels:
Fuel Full; Coolant Full; Other Fluids Full

Tire Pressure:
LF 210 KPA (30 psi) LR 210 KPA (30 psi)
RF 210 KPA (30 psi) RR 210 KPA (30 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

<table>
<thead>
<tr>
<th></th>
<th>KG</th>
<th>LB</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>453</td>
<td>999</td>
</tr>
<tr>
<td>RF</td>
<td>440</td>
<td>970</td>
</tr>
<tr>
<td>LR</td>
<td>381</td>
<td>841</td>
</tr>
<tr>
<td>RR</td>
<td>411</td>
<td>905</td>
</tr>
<tr>
<td>Front Axle</td>
<td>893</td>
<td>1969</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>792</td>
<td>1746</td>
</tr>
</tbody>
</table>

Total Vehicle 1685 KG (3715 LB)

B. VEHICLE NORMAL LOAD ON THE TIRE

1. Seating Capacity (from Tire Information Placard) = 5

2. Normal Load # of Occupants from FMVSS 110, Table 1 = 3

   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)

4. Measured Normal Load on Axles

<table>
<thead>
<tr>
<th></th>
<th>KG</th>
<th>LB</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>508</td>
<td>1120</td>
</tr>
<tr>
<td>RF</td>
<td>476</td>
<td>1050</td>
</tr>
<tr>
<td>LR</td>
<td>443</td>
<td>976</td>
</tr>
<tr>
<td>RR</td>
<td>462</td>
<td>1019</td>
</tr>
<tr>
<td>Frt Axle</td>
<td>984</td>
<td>2170</td>
</tr>
<tr>
<td>Rr Axle</td>
<td>905</td>
<td>1995</td>
</tr>
</tbody>
</table>

Total Vehicle 1889 KG (4165 LB)
**DATA SHEET 3 – CONTINUED**

(5) **Calculated Vehicle Normal Load on the Tire**

Front Tires (measured front axle normal load/2) = \( \frac{492}{2} \) KG (1085 LB)
Rear Tires (measured rear axle normal load/2) = \( \frac{453}{2} \) KG (998 LB)

(6) **High Speed Test Load from FMVSS 109 (§5.5)**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installed Tire Size</strong></td>
<td>P215/65R17</td>
<td>P215/65R17</td>
</tr>
<tr>
<td><strong>Max. Load Rating on Sidewall</strong></td>
<td>750 KG (1653 LBS)</td>
<td>750 KG (1653 LBS)</td>
</tr>
<tr>
<td><strong>High Speed Test Load</strong> (88% of sidewall max. load rating)</td>
<td>660 KG (1455 LBS)</td>
<td>660 KG (1455 LBS)</td>
</tr>
<tr>
<td><strong>Optional Tire Size(s)</strong></td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td><strong>Max. Load Rating on Sidewall</strong> (Obtain from approved reference manual)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>High Speed Test Load</strong> (88% of sidewall max. load rating)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Installed Tires; [(5) &lt; (6)]</th>
<th>Front Tires</th>
<th>Rear Tires</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>[(5) &lt; (6)]</td>
<td>Front Tires</td>
<td>Rear Tires</td>
<td>PASS/FAIL</td>
</tr>
<tr>
<td>Optional Tires; [(5) &lt; (6)]</td>
<td>Front Tires</td>
<td>Rear Tires</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**C. MEASURED VEHICLE WITH FULL OCCUPANT LOAD**

<table>
<thead>
<tr>
<th></th>
<th>LF 529 KG (1165 LB)</th>
<th>LR 495 KG (1093 LB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RF 489 KG (1079 LB)</td>
<td>RR 511 KG (1127 LB)</td>
</tr>
</tbody>
</table>

Front Axle 1018 KG (2245 LB)  Rear Axle 1007 KG (2220 LB)

Total Vehicle 2025 KG (4485 LB)
### D. VEHICLE MAXIMUM LOAD ON THE TIRE

1. **Vehicle Capacity Weight (from Placard)**: 302 KG (665 LB)
2. **Seating Capacity (from Placard)**: 5
3. **Total Occupant Load (seating capacity x 68 KG)**: 340 KG (750 LB)
4. **Luggage/Cargo Load (Subtract (3) from (1))**: 52 KG (115 LB)
5. **Measured Maximum Load on Axles**
   - **LF**: 527 KG (1182 LB)  
   - **LR**: 522 KG (1150 LB)  
   - **RF**: 489 KG (1078 LB)  
   - **RR**: 540 KG (1190 LB)  
   - **Frt Axle**: 1016 KG (2240 LB)  
   - **Rr Axle**: 1061 KG (2340 LB)  
6. **Calculated Vehicle Maximum Load on the Tire**
   - **Front Tires (measured front axle max. load/2)**: 508 KG (1120 LB)  
   - **Rear Tires (measured rear axle max. load/2)**: 531 KG (1170 LB)  
7. **Maximum Load Rating on Tire Sidewall (obtain data from B.(6))**

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installed Tire Size</strong></td>
<td>P215/65R17</td>
<td>P215/65R17</td>
</tr>
<tr>
<td><strong>Max. Load Rating on Sidewall</strong></td>
<td>750 KG (1653 LBS)</td>
<td>750 KG (1653 LBS)</td>
</tr>
<tr>
<td><strong>Optional Tire Size(s)</strong></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Max Load Rating on Sidewall</strong></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Vehicle Maximum Load on the Tire is not greater than the Maximum Load Rating Marked on the Tire Sidewall*

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installed Tires:</strong></td>
<td>Front Tires</td>
<td>Rear Tires</td>
</tr>
<tr>
<td><strong>[(6) &lt; (7)]</strong></td>
<td>PASS</td>
<td>PASS</td>
</tr>
<tr>
<td><strong>Optional Tires:</strong></td>
<td>Front Tires</td>
<td>Rear Tires</td>
</tr>
<tr>
<td><strong>[(6) &lt; (7)]</strong></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
E. VEHICLE LOAD ON THE TIRE FOR OTHER DISPLAYED LOAD AND TIRE INFLATION PRESSURE CONDITIONS

(1) Condition Description (Load, Tire Size, Inflation Pressure)
Vehicle at maximum load of 2077 kg (4580 lbs) with P215/65R17 tire at
210 kPa (30 psi) on tire label.

(2) Condition Load on Tire/Axle – Maximum Load

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>527</td>
<td>KG (1182 LB)</td>
<td></td>
</tr>
<tr>
<td>RF</td>
<td>489</td>
<td>KG (1078 LB)</td>
<td></td>
</tr>
<tr>
<td>LR</td>
<td>522</td>
<td>KG (1150 LB)</td>
<td></td>
</tr>
<tr>
<td>RR</td>
<td>540</td>
<td>KG (1190 LB)</td>
<td></td>
</tr>
<tr>
<td>Frt Axle</td>
<td>1016 KG (2240 LB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rr Axle</td>
<td>1061 KG (2340 LB)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Vehicle 2077 KG (4580 LB)

(3) Load Rating of Tire at Recommended Inflation Pressure

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td></td>
<td>Rear</td>
</tr>
</tbody>
</table>

Displayed Tire Size       P215/65R17       P215/65R17
Recommended Inflation Pressure 210 kPa (30 psi) 210 kPa (30 psi)
Tire Load Rating 687 KG (1536 LBS) 687 KG (1536 LBS)
(obtained from 2005 Tire and Rim Association Yearbook)

Vehicle Load on the Tire is not greater than the Tire Load Rating at the Tire Recommended Inflation Pressure

Front Tires [(2) < (3)] PASS/FAIL
Rear Tires [(2) < (3)] PASS

NOTE: Section E should be repeated for every different load/tire inflation pressure condition displayed.

REMARKS:

RECORDED BY: ___________________________  DATE: 05/25/05
APPROVED BY: ___________________________
DATA SHEET 4
TIRE INFORMATION LABEL OR PLACARD

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSenger CAR
VEHICLE NHTSA NO.: C50306           VIN: 2C3JA43R85H556582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/24/05

A. Description of Placard: Self Adhesive decal - Red, Black
                                     Yellow and White
                                     Pass

B. Description of Placard Location: Driver's "B" pillar
                                     Pass
                                     (X) YES   ( ) NO

C. Enter Information from Placard:
Vehicle Capacity Weight - ______________ 392 KG (865 LBS)

Designated Seating Capacity (DSC) - _______ 5 ____________
                                     Pass
                                     (X) Yes   ( ) No

(1) Total No. of Occupants
(2) Terms of Occupants for Each Seat Location
Manufacturers Recommended Cold Tire Inflation Pressure
for Maximum Load Vehicle Weight:

FRONT - 210 kPa (30 psi)    REAR - 210 kPa (30 psi)

All Other Recommended Inflation Pressures:

None

All Other Recommended Loading Conditions:

None

Manufacturer's Recommended Size Designation:

P215/65R17

All Other Manufacturer's Recommended Size Designation:

NONE

DATA CORRECTLY DISPLAYED

Pass
D. For Every Inflation Pressure Listed Above Indicate:

<table>
<thead>
<tr>
<th></th>
<th>Less than Maximum?</th>
<th>(YES/NO)</th>
<th>Yes</th>
<th>Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>Loading Condition Stated?</td>
<td>(YES/NO)</td>
<td>Yes</td>
<td>Pass</td>
</tr>
</tbody>
</table>

DATA INDICATES COMPLIANCE
(X) YES  ( ) NO

REMARKS:

RECORDED BY:  DATE: 05/25/05
APPROVED BY:  D. Menic
**DATA SHEET 5**

**VEHICLE TIRE DATA**

**VEHICLE MAKE/MODEL/BODY STYLE:** 2006 CHRYSLER 300 PASSENGER CAR  
**VEHICLE NHTSA NO.:** C50308  
**VIN:** 2C3JA43R65H556582  
**LABORATORY:** GENERAL TESTING LABORATORIES  
**TEST DATE:** 05/25/05

---

**All tires on the vehicle are the same size:**  
(Yes/No) Yes

---

**INFORMATION FROM TIRE SIDEWALL:**

<table>
<thead>
<tr>
<th></th>
<th>Front Axle (R.F. Tire)</th>
<th>Rear Axle (L.R. Tire)</th>
<th>Spare</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tire Size Designation</strong></td>
<td>P215/65R17</td>
<td>P215/65R17</td>
<td>T135/90D17</td>
</tr>
<tr>
<td><strong>Tire Load Index/Speed Symbol</strong></td>
<td>98T</td>
<td>98T</td>
<td>104M</td>
</tr>
<tr>
<td><strong>Maximum Inflation Pressure</strong></td>
<td>300 kPa (44 psi)</td>
<td>300 kPa (44 psi)</td>
<td>420 kPa (60 psi)</td>
</tr>
<tr>
<td><strong>Maximum Load Rating</strong></td>
<td>750 KG (1653 LBS)</td>
<td>750 KG (1653 LBS)</td>
<td>800KG (1864 LB)</td>
</tr>
<tr>
<td><strong>Mfr. Name or Brand &amp; Code</strong></td>
<td>GOODYEAR</td>
<td>GOODYEAR</td>
<td>GOODYEAR</td>
</tr>
<tr>
<td><strong>Tube or Tubeless</strong></td>
<td>Tubeless</td>
<td>Tubeless</td>
<td>Tubeless</td>
</tr>
<tr>
<td><strong>Treadwear/Traction/Temp. Grades</strong></td>
<td>460-A-B</td>
<td>460-A-B</td>
<td>N/A</td>
</tr>
</tbody>
</table>

| **Sidewall (Plies & Composition)** | 1 polyester | 1 polyester | 3 nylon |
| **Tread (Plies & Composition)**    | 1 polyester | 1 polyester | 3 nylon |
|                                      | 2 steel      | 2 steel      |        |

**Serial Number:**

- Left Front - DOT MDA6 C9ER 3204
- Right Front - DOT MDA6 C9ER 3204
- Left Rear - DOT MDA6 C9ER 3204
- Right Rear - DOT MDA6 C9ER 3204
- Spare - DOT PC89 DB0P 3204

**Tires have "DOT" markings:**  
( ) NO  
(x) YES

---

**REMARKS:**

**RECORDED BY:** [Signature]  
**DATE:** 05/25/05

**APPROVED BY:** [Signature]
DATA SHEET 6
RIM DIMENSIONS

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306; VIN: 2C3JA43R85H558582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

A. Rim Size & Flange

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Spec'd Rims</th>
<th>Measured Width of Rims</th>
<th>Measured Height of Rims</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Front: P215/65R17</td>
<td>6.0 to 7.5J</td>
<td>7.0&quot;</td>
<td>17&quot;</td>
<td>Pass</td>
</tr>
<tr>
<td>Left Rear: P215/65R17</td>
<td>6.0 to 7.5J</td>
<td>7.0&quot;</td>
<td>17&quot;</td>
<td>Pass</td>
</tr>
</tbody>
</table>

REFERENCE USED: 2005 Tire and Rim Association Yearbook

B. Trade Stamps, Marks, Symbols: CHRYSLER EMBLEM, T-DOT, 17x7J

Rim Manufacturer's Name or Label: FUMAGALLI

Other Rim/Wheel Marking: 04782488AB, F1, 08 26 04

Rim Inspection Comments: None

Tire Inspection Comments: None

Wheel/Rim Construction (i.e., welded, one piece, cast, deep dish, etc.): Two piece welded steel

DATA INDICATES COMPLIANCE: (X) YES  ( ) NO

REMARKS:

RECORDED BY: [Signature] DATE: 05/25/05

APPROVED BY: [Signature]
DATA SHEET 7
DEFLATED TIRE RETENTION

VEHICLE MAKE/MODEL/BODY STYLE: 2005 CHRYSLER 300 PASSENGER CAR
VEHICLE NHTSA NO.: C50306; VIN: 2C3JA43R65H558582
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/26/05

Tire Pressures: LF 210 kPa (30 psi) LR 210 kPa (30 psi)
(cold) RF 210 kPa (30 psi) RR 210 kPa (30 psi)

Test Weight (should be the same weight and distribution recorded on Data Sheet 3 Section D.5.)

LF 527 kg (1182 lb) LR 519 kg (1144 lb)
RF 490 kg (1080 lb) RR 539 kg (1188 lb)
Front Axle 1017 kg (2242 lb) Rear Axle 1058 kg (2332 lb)

TOTAL VEHICLE 2075 kg (4574 lb)

Description of Weight Distribution: Salt bags in front passenger seat, rear seat and trunk.

A. Retention Test Left Front:

Odometer (START): 261 km (156 miles) Fuel Level: Full

Tire Pressure: 210 kPa (30 psi)

Ambient Temperature: 26.6 degrees C (80 F)

Wind Speed: 8.0 kmph (5.0 mph)

Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter

Speed: 96.1 kmph (59.7 mph)

Deceleration Rate: 1.52 – 2.13 mpsps avg. (5-7 fpsps)

Distance Traveled After Initial Release of Air: 240 m (786 ft)

Distance of Deviation: < .3 m (<1 ft)

Description of Bead Separation, Outboard: None

Description of Bead Separation, Inboard: None
DATA SHEET 7 continued
DEFLATED TIRE RETENTION

B. Retention Test Right Rear:

Odometer (START): 256 km (159 miles)   Fuel Level: Full

Tire Pressure: 210 kPa (30 psi)

Ambient Temperature: 26.8 degrees C (80 F)

Wind Speed: 8.0 kmph (5 mph)

Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter

Speed: 96.7 kmph (60.1 mph)

Deceleration Rate: 1.52 - 2.13 mpsps avg. (5-7 fpsps)

Distance Traveled After Initial Release of Air: 200 m (655 ft)

Distance of Deviation: <.3 m (<1 ft)

Description of Bead Separation, Outboard: None

Description of Bead Separation, Inboard: None

NOTE: No rotation of tire on rim

C. REMARKS: (Stability, Control, Suspension, etc.)

Good control, normal stopping

PASS/FAIL

Left Front
Right Rear

Pass
Pass

DATA INDICATES COMPLIANCE: (X) YES ( ) NO

REMARKS:

RECORDED BY: _______________ DATE: 05/31/05

APPROVED BY: _______________
<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO.</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD SCALES</td>
<td></td>
<td>199744RF</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td></td>
<td>#1 199744LF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#3 199744LR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#4 199744RR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>199744RF</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>199744LR</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>199744RR</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td>PRESSURE TRANSUDER</td>
<td>BLH</td>
<td>D-HF #65409</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>SURFACE LEVEL</td>
<td>STANLEY</td>
<td>641186</td>
<td>05/05</td>
<td>05/06</td>
</tr>
<tr>
<td>DATA ACQUISITION COMPUTER</td>
<td>GEO1</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>ANEMOMETER</td>
<td>HASTINGS</td>
<td>RM-1</td>
<td>05/05</td>
<td>05/06</td>
</tr>
<tr>
<td>SLIP RING ASSEMBLY</td>
<td>GTL</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>DECELEROMETER</td>
<td>GTL</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>INCLINOMETER</td>
<td>STARRETT</td>
<td>002</td>
<td>05/05</td>
<td>05/06</td>
</tr>
<tr>
<td>VBOX</td>
<td>RACELOGIC</td>
<td>VB2 #004337</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
</tbody>
</table>
SECTION 8
TEST PLOTS
Chrysler 300, C50095, Left Front 110 BLOW-OUT

- **Time** vs **Speed**
- **Tire Pressure**
- **Deceleration**

### Graph Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run Time</td>
<td>0 minute 30.8 sec</td>
</tr>
<tr>
<td>Curve (sec)</td>
<td>31.18</td>
</tr>
<tr>
<td>Speed (MPH)</td>
<td>69.66</td>
</tr>
<tr>
<td>(MP)</td>
<td>78.798</td>
</tr>
<tr>
<td>(PSI)</td>
<td>30.177</td>
</tr>
<tr>
<td>Longitudinal Acceleration (g)</td>
<td>-0.050</td>
</tr>
<tr>
<td>Height (Feet)</td>
<td>-79.177</td>
</tr>
<tr>
<td>Vertical Velocity (MPH)</td>
<td>0.000</td>
</tr>
<tr>
<td>Side Slips (Number of)</td>
<td>0</td>
</tr>
</tbody>
</table>