



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CONTINENTAL AUTOMOTIVE GUADALAJARA MEXICO, S. DE R.L. DE C.V.  
Periferico Sur 7999D  
Tlaquepaque, Jalisco, Mexico CP 45601  
Alfredo Torres Lopez Phone: 52 (33) 3283 1100

MECHANICAL

Valid To: March 31, 2025

Certificate Number: 3093.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above to perform the following mechanical tests:

**Test Technology:**

Temperature and Humidity  
*Steady State and Cyclic*  
(-60 to +155) °C  
(10 to 95) %RH

Thermal Shock  
*Air to Air,*  
(-60 to 150) °C

**Test Method(s):**

Chrysler: CS-11982, CS-00056;  
DC: DC-10611, PF-9688;  
Ford: WDS 00.00EA-D11, CETP 00.00-X-412;  
GM: GM9110P, GMW3172;  
Nissan: 28401NDS01;  
Hyundai: ES95400-10;  
Renault: 36.00.400;  
Volkswagen: VW 80101;  
BMW: GS 95003-4;  
Freightliner: 49-00085;  
Paccar: CS0011, CS0052, CS0053, CS0054, and CS0055;  
Mack Truck: CDC\_MACK\_36\_00\_400;  
Volvo: TR20552359;  
International: EEF-R1-020;  
CNH: ENS0310;  
MIL-STD-810G

Chrysler: CS-11982, CS-00056;  
DC: DC-10611, PF-9688;  
Ford: WDS 00.00EA-D11, CETP 00.00-X-412;  
GM: GM9110P, GMW3172;  
Nissan: 28401NDS01;  
Hyundai: ES95400-10;  
Renault: 36.00.400;  
Volkswagen: VW 80101;  
BMW: GS 95003-4;  
Freightliner: 49-00085;  
Paccar: CS0073;  
Mack Truck: CDC\_MACK\_36\_00\_400;  
Volvo: TR20552359;  
International: EEF-R1-020;  
CNH: ENS0310;  
MIL-STD-810G

**Test Technology:**

Vibration  
(Sine, Random)  
12,000 Pounds Force  
2" Peak to Peak  
(5 to 2,250) Hz  
Temperature  
(-60 to +150) °C

Mechanical Shock  
Up to 100 G's

Dust

Protection Against Water Entry

**Test Method(s):**

Chrysler: CS-11982, CS-00056;  
DC: DC-10611, PF-9688;  
Ford: WDS 00.00EA-D11, CETP 00.00-X-412;  
GM: GM9110P, GMW3172;  
Nissan: 28401NDS01;  
Hyundai: ES95400-10;  
Renault: 36.00.400;  
Volkswagen: VW 80101;  
BMW: GS 95003-3;  
Freightliner: 49-00085;  
Paccar: CS0015;  
Mack Truck: CDC\_MACK\_36\_00\_400;  
Volvo: TR20552359;  
International: EEF-R1-020;  
CNH: ENS0310;  
ASTM D4728;  
MIL-STD-810G

Chrysler: CS-11982, CS-00056;  
DC: DC-10611, PF-9688;  
Ford: WDS 00.00EA-D11, CETP 00.00-X-412;  
GM: GM9110P, GMW3172;  
Nissan: 28401NDS01;  
Hyundai: ES95400-10;  
Renault: 36.00.400;  
Volkswagen: VW 80101;  
BMW: GS 95003-3;  
Freightliner: 49-00085;  
Volvo: TR20552359;  
International: EEF-R1-020;  
CNH: ENS0310;  
MIL-STD-810G

Chrysler: CS-11982, CS-00056;  
DC: DC-10611, PF-9688;  
Ford: WDS 00.00EA-D11, CETP 00.00-X-412;  
GM: GM9110P, GMW3172;  
Freightliner: 49-00085;  
International: EEF-R1-020;  
SAE: J1211, J1455, J575;  
ISO 20653;  
IEC 60529

Chrysler: CS-11982, CS-00056;  
IEC 60529: IPX1, IPX2, IPX3, IPX4;  
DIN 40050;  
MIL-STD-810G;  
ISO 20653: IPX1, IPX2, IPX3, IPX4

**Test Technology:**

Free Fall

Salt Fog / Salt Spray

Degrees of Protection

Altitude  
(-60 to 150) °C  
*Altitude to 50,000 Feet*

**Test Method(s):**

Chrysler: CS-11982, CS-00056;  
DC: DC-10611, PF-9688;  
Ford: WDS 00.00EA-D11, CETP 00.00-X-412;  
GM: GM9110P (inactive) replaced by GMW343,  
GMW3172;  
Hyundai: ES95400-10;  
Volkswagen: VW 80101;  
BMW: GS 95003-3;  
Freightliner: 49-00085;  
Paccar: CS0071; ASTM B4728;  
Mack Truck: CDC\_MACK\_36\_00\_400;  
International: EEF-R1-020;  
CNH: ENS0310;  
SAE J1455

Chrysler: CS-11982, CS-00056;  
Ford: WDS 00.00EA-D11-1;  
VW: 80101;  
IEC 60068-2-52, Test Kb;  
IEC 60068-2-11, Test Ka;  
SAE 1455;  
ASTM B117;  
BMW: GS95003-4;  
DIN 50021;  
Freightliner: 49-00085;  
MIL-STD-810G;  
GMW3172

IPX9K;  
DIN 40050;  
ISO20653;  
CS-11982

SAE J1211;  
Harley Davidson GES 22600;  
CNH.ENS 0310;  
Polaris ENG-SPC-05-007;  
MIL-STD-810G;  
IEC 60068-2.13



## Accredited Laboratory

A2LA has accredited

# CONTINENTAL AUTOMOTIVE GUADALAJARA MEXICO, S. DE R.L. DE C.V.

*Tlaquepaque, Mexico*

for technical competence in the field of

## Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 4<sup>th</sup> day of May, 2023.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3093.01  
Valid to March 31, 2025

*For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*