



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CONTINENTAL AUTOMOTIVE SYSTEMS

1791 Harmon Road

Auburn Hills, MI 48326

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Mechanical

Valid to: July 31, 2024

Certificate Number: 1419.06

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following mechanical tests on automotive and electrical/electronic/mechanical components and assemblies:

Test Technology:

Temperature and Humidity

Temperature Range: (-50 to 150) °C

Humidity Range: (20 to 98) %RH

Temperature Transition Rate: Up to 10 °C/min

Thermal Shock (Air to Air)

Temperature Range:

(-50 to 150) °C

Temperature Transition Rate Between Environments: <15 s

Mechanical Shock

*Waveform: Half-sine, Trapezoid and Sawtooth
up to 100 G / 11 ms / 135 inch/second*

Displacement:

Up to 2 Inch (Peak to Peak)

Salt Fog / Mist / Spray

*Salt Fog, Humidity Fogging, Dry Cycle Controlled Humidity,
Solution Spray Wet Bottom Relative Humidity, Immersion Cycle*

Test Method(s) ¹:

Stellantis: CS.00056;

Ford: CETP 00.00-E-412;

General Motors: GWM3172;

Nissan: 28401NDS01

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ASTM B117

Test Technology:

Water Ingress / Immersion

Maximum Depth: 1 m

IP x 7

IP x 8

Vibration

Profile: Random, Sine, Sine-on-Random

Frequency Range:

(5 to 3,500) Hz

Force Capability:

Up to 25,000 lbs.

Displacement:

Up to 2 Inch (Peak to Peak)

Temperature Range:

(-50 to 150) °C

Humidity Range:

(10 to 90) %RH

Multiple Channel Control/Monitoring,

Transmissibility Plots, Resonance Search and Dwell

Drop (Guided Drop, Free Fall)

Max Drop Height: 3.7 m

Fluid Compatibility

Non-flammable and non-corrosive fluids

Tension / Compression

(0 to 5,000) N

Test Method(s) ¹:

ISO 20653;

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¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories.



Accredited Laboratory

A2LA has accredited

CONTINENTAL AUTOMOTIVE SYSTEMS

Auburn Hills, MI

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 15th day of June 2022.

A blue ink signature of the Vice President of Accreditation Services for the Accreditation Council.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1419.06
Valid to July 31, 2024
Revised July 19, 2022

For the tests to which this accreditation applies, please refer to the laboratory's «field» Scope of Accreditation.