



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

YAZAKI TESTING CENTER
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MECHANICAL

Valid to: September 30, 2021

Certificate Number: 1804.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive components:

Testing Parameters¹:

Environmental Simulation

Low/High Temperature (-40 to 343) °C
Humidity (10 to 95) % RH
Thermal Shock (-40 to 125) °C
Thermal Shock with Humidity (-65 to 180) °C @ 65 °C, 95 % RH Attainable
Flow (1.7 to 34) GPM
Pressure (2 to 500) kPa
Tensile (0 to 10,000) N
Torque (0 to 75) Nm
Vacuum (-100 to 0) kPa

Vibration: Sine and Random, 3 Axis, Frequency Range from (5 to 2,000) Hz, Force Pound Rating to 13,000 Force Pounds

Mechanical Shock: Up to 100 G's, 11 ms Half Sine (Vertical and Horizontal Axis)

Weathering Tests: Humidity to 95 %R.H.

Test:

Test Method(s)²:

Air Leak Test/Pressure Vacuum

USCAR-2; GMW3191

Chemical and Fluid Resistance

ES-F8SB-14A067-AA; GMW 14334;
USCAR-2; GMW 3191

Colorfastness/Applique Humidity/Applique Aging

GM 7469; GMW 14162

Drop (FreeFall)

USCAR-2; GMW 3172

Dust Exposure

GMW 3172

Test:**Test Method(s)²:**

High/Low Temperature/Heat Soak

USCAR-2, USCAR-20; GMW 3172,
GMW 3191; IEC 60068-2-2; IEC 60068-2-14

Buzz/Squeak/Rattle Test

GMW 7293, GMW 14011

Mechanical Vibration

USCAR-2; USCAR-20; USCAR-38;
GMW 3172, GMW 3191

Mechanical Shock

USCAR-2; USCAR-20; USCAR-38;
GMW 3172, GMW 3191

Salt Fog

ASTM B117; USCAR-37; IEC 60068-2-52

Temperature/Humidity

USCAR-2, USCAR-20, USCAR-21;
IEC 60068-2-30, IEC 60068-2-38;
IEC 60068-2-56, IEC 60068-2-78;
GMW 3172; GM 7469; GMW 3191

Tensile Testing

USCAR-2, USCAR-37, USCAR-38;
GMW 3172, GMW 3191

Thermal Shock

USCAR-2, USCAR-38; GMW 3172,
GMW 3191

Water Test/Water Protection

Drip Test

Water Spray

High Pressure Spray

ISO 20653;
IEC 60529;
IPX0 – IPX8; IPX9k;
GMW3191

Weatherometer (Xenon Arc) Exposure Only

GM 7469; GMW 3172; Method B; SAE J1885,
SAE J1960

¹ Including Customer Specified Methods directly related to the test technologies and within the parameters listed above.

² When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is expected to be competent in the use of the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.



Accredited Laboratory

A2LA has accredited

YAZAKI TESTING CENTER

Canton, 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 7th day of November 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1804.01
Valid to September 30, 2021

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