



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

TRIALON CORPORATION

Burton, MI

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009*).

Presented this 22nd day of August 2008.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 1123.03
Valid to May 31, 2010
Revised August 6, 2009

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRIALON CORPORATION – MTEC
ENVIRONMENTAL LABORATORY

1489 Walli Strasse Blvd.
Burton, MI 48509

Gregory Ladd; Email: glad@trialon.com; Phone: 810 341 7933
Glenn Janning, EMail: gjanning@trialon.com; Phone: 810 341 7961
Website: <http://trialon.com>

MECHANICAL

Valid To: May 31, 2010

Certificate Number: 1123.03

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

Tests

GM Test Methods

Force

Connector Tests

Terminal Retention Force

Connector Mating Force

Connector Retention Force

Connector Disengagement Force

Crush Test

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

Environmental Simulation

Accelerated Weathering Exposure (Xenon)

Temp Exposure (-40 to 105) °C

(with and without humidity)

Humidity (20 to 95) %RH

Thermal Shock (-40 to 105) °C

Salt Fog/Mist

Dust Exposure

Q-1000-117 using SAE J1885, SAE J2412

Q-1000-100, 101, 102, 103, 105, 106

Q-1000-100, 101, 102, 103, 105, 106

Q-1000-101

GM 4298; ASTM B117

Q-1000-109 (using PTI Dust, ISO Course A.T.D
12103-1); GMW 3172

Fluid Compatibility

Tri-Temperature/Parametric

Climatic Loads

Temperature Aging

Low Temperature Testing

High & Low Temperature Durability

Thermal Cycle & Thermal Shock

Power Temperature Cycle

Thermal Shock in Air (TS)

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

GMW 3172

Tests

Environmental Simulation (continued)

Humidity
Humidity Heat, Cyclic (HHC)
Humidity Heat, Constant (HHCC)
Moisture Susceptibility (Frost)

Vibration

Drop
Free Fall

Tests

Environmental Simulation

Connector Lead/Lock Strength
Mechanical Wearout
Controls Durability
Low Temperature Exposure
Low Temperature Operation
High Temperature Exposure
High Temperature Operation
Power Temperature Cycle
Thermal Shock in Air (TS)

Humidity-Temperature Cycle
Water/Fluid Ingress
Dust
Chemical Resistance
Salt Mist
85/85 High Temp/Humidity Endurance
High Temperature Endurance

Vibration

Mechanical Shock/Drop
Powered Vibration

GM Test Methods

GMW 3172
GMW 3172
GMW 3172
GMW 3172

GMW 3172
GMW 3172

Ford Test Methods

Ford 00.00EA-D11-6, section 4.6.4
Ford 00.00EA-D11-6, section 4.8.3
Ford 00.00EA-D11-6, section 4.8.2
Ford 00.00EA-D11-6, section 4.5.1, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.2, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.3, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.4, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.5, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.6, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.7, table 3.2.1.a/b
Ford 00.00EA-D11-6, section 4.5.8, table 4(a)
Ford 00.00EA-D11-6, section 4.5.9, table 3.2.2
Ford 00.00EA-D11-6, section 4.5.10, table 3.2.3
Ford 00.00EA-D11-6, section 4.7.2
Ford 00.00EA-D11-6, section 4.7.1
Ford 00.00EA-D11-6, section 4.8.4
Ford 00.00EA-D11-6, section 4.8.1

Ford 00.00EA-D11-6, section 4.6.3
Ford 00.00EA-D11-6, section 4.6.1



Tests

DCX Test Methods

Environmental Simulation

Climatic Stresses

Shipping/Storage Temp Exposure	DC-10611, section 6.1.1
Low Temp Operating Endurance	DC-10611, section 6.1.2
High Temp Operating Endurance	DC-10611, section 6.1.3
Powered Temp Cycling End	DC-10611, section 6.1.4
Thermal Shock	DC-10611, section 6.1.5
Thermal Humidity Cycle	DC-10611, section 6.1.7
High Temp/Humidity Endurance	DC-10611, section 6.1.8
Solar Radiation Soak	DC-10611, section 6.1.9

Solids/Fluids

Dust	DC-10611, section 6.3.1
Water Intrusion	DC-10611, section 6.3.2
High Pressure Steam Jet	DC-10611, section 6.3.3
Salt Water Immersion	DC-10611, section 6.3.4

Chemical Resistance

Salt Fog	DC-10611, section 6.4.2
Chemical Exposure (cabin)	DC-10611, section 6.4.3
Chemical Exposure (exterior)	DC-10611, section 6.4.4

Mechanical Stresses

Vibration	DC-10611, section 6.2.1
Mechanical Shock	DC-10611, section 6.2.2
Mechanical Shock Endurance	DC-10611, section 6.2.3
Package Drop	DC-10611, section 6.2.4
Handling Drop	DC-10611, section 6.2.5

On the following products and materials:

Abrasives; Automotive Components; Coatings; Glass and Glass Products; Textiles; Instrument Clusters; and Circuit Boards.

