



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AUTO TECHNOLOGY COMPANY
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MECHANICAL

Valid To: December 31, 2023

Certificate Number: 2563.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform tests on the following products or types of products: Aircraft, Automotive, Military, Electronic, Solar Components and Assemblies, Metals, Plastics and Composites.

Test Description and Equipment Parameters

Test Method(s) / Standard(s)

Acetic Acid Salt Spray (AASS)¹
Temperature: Ambient to 65 °C
Humidity: 10% RH to 95% RH
100% RH (wet-bulb /dry-bulb)

DIN 50021
ISO 9227
JIS H8502 Sect. 7.2
JIS Z2371 Sect. 7.2.2

C.A.S.S.¹
Temperature: Ambient to 65 °C

ASTM B368
DIN 50021
Ford FLTM BQ 105-01
GM4476P² (superseded 2011)
GMW16209
ISO 9227
JIS H8502 Sect. 7.3
JIS Z2371 Sect. 7.2.3

Chip Resistance

SAE J400

Coating Evaluation - Blisters
Coating Evaluation - Corrosion
Coating Evaluation - Corrosion - Creep back

ASTM D714
ASTM D610
ASTM D1654, GM9102P² (superseded 2012)
GM 15282

Conductivity

ASTM D1125

Corrodkote¹
Temperature: Ambient to 65 °C
Humidity: 10 % RH to 95 % RH

ASTM B380

Test Description and Equipment Parameters**Cyclic Corrosion¹**

Temperature: -20 °C to 90 °C
Humidity: 10% RH to 95% RH
100% RH (wet-bulb /dry-bulb)

Filiform¹

Temperature: -70 °C to 175 °C
Humidity: 10 % RH to 95 % RH

Mixed Flowing Gas

Temperature: 20 °C to 40 °C
Humidity: 10% RH to 95% RH
100% RH (wet-bulb /dry-bulb)
H₂S: (0 to 2000) ppb
SO₂: (0 to 2000) ppb
NO₂: (0 to 2000) ppb
Cl₂: (0 to 50) ppb

Temperature and Humidity¹

Temperature: -70 °C to 180 °C
Humidity: 10 % RH to 95 % RH

Test Method(s) / Standard(s)

Chrysler LP-463PB-22-01
Delphi DX900115
Ford CETP 00.00-L-467
Ford FLTM BI 123-01
Ford FLTM BI 123-02
Ford FLTM BI 123-03
Ford 00.00-L-3190
GM9505P Cycles A-O² (superseded 2012)
GM9511P² (superseded 2013)
GM9540P² (superseded 2013)
GM9619P² (superseded 2012)
GMW14872
GMW3172
Honda 5100Z-SG0-A000
Honda HES D2003
Honda HES D6001-04A
Honda HES D6602 D8N
Hyundai MS 600-66
JASO M609
Mazda MCT-1M
Mazda MCT-2M
Nissan CCT-I - NES M0158
Nissan CCT-IV - NES M0158
Nissan CCT-V - NES M0158
Renault ECC1 D172028
SAE J2334
Toyota TS C5209G
Toyota TS K6532G
Toyota TSH 1555G
Volvo VCS 1027-14
Volvo VCS 1027-149
Volvo VDA 621-415
VW PV1210
Volvo Std 423-0014

ASTM D2803 Procedures A-C
Honda HES D6501 Sect. 3.16.1
Volvo VDA 1027-141

ASTM B845
EIA-364-65B
IEC 60068-2-60
ISA Standard 71.04

ASTM D1735
ASTM D2247
ASTM D5427
Chrysler LP-463PB-09-01
DIN 50017
EIAJ ED-4701/200

Test Description and Equipment Parameters

Temperature and Humidity¹
Temperature: -70 °C to 180 °C
Humidity: 10 % RH to 95 % RH

pH

Rating of Electroplated panels

Salt Spray (fog)¹
Ambient to 90 °C

Test Method(s) / Standard(s)

Ford FLTM BI 104-01
Ford FLTM BQ 104-02
GM4465P² (superseded 2015)
GMW14729 (Option A)
Honda 5100Z-SG0-A000
Honda HES D6501 Sect. 3.19
ISO 6270-1
MIL-STD-810G Method 507.5
SAE-AMS-STD 753C Method 101
Toyota TSH 1505G
GMW3044
GMW4700 (label compatibility)

ASTM D1293

ASTM B537

ASTM B117
ASTM C1503 – 20%
ASTM D5894-05
ASTM E117
ASTM G85 Annex 1
ASTM G85 Annex 2
ASTM G85 Annex 3
ASTM G85 Annex 4
ASTM G85 Annex 5
Chrysler LP-463PB-10-01
Delphi DX551200 Sect 4.3, 4.3.2
Delphi DX551300 Sect 4.3, 4.3.2
DIN 50021
EIA-364-26B
Ford FLTM BI 103-01
GM4298P² (superseded 2011)
GMW3044 Sect 3.4
GMW3235 (Method A)
GMW3286
GMW4700 Sect 3.4
Honda 5100Z-SG0-A000
Honda HES D6001 Sect. 4.3
Honda HES D6501 Sect. 3.15.1
Honda HES D6501 Sect. 3.15.2
IEC 68-2-11
EC 82/576 Sect. 7
IEC 60068-3-5, 6, 7
IEC 61215
IEC 61646
IEC 61730-2
IEC 62108

Test Description and Equipment Parameters**Test Method(s) / Standard(s)**

Salt Spray (fog)¹
Ambient to 90 °C

ISO 7253
ISO 9227
JASO M610
JIS H8502 Sect. 7.1
JIS Z2371
MIL-STD-810G Method 509.5
Nissan NES M0140
Renault D17-1058/--J
Renault D17-1686/--E
RTCA/DO-160D
SAE J1756
Toyota TSH 1552G

Salt Water Immersion

Chrysler MS-PB1-2

SO₂¹
Temperature: Ambient to 50 °C

ASTM G87
DIN 50018
ISO 3231
ISO 6988

Specific Gravity

ASTM D1429 Method D

Tape Adhesion

ASTM D3359

Temperature¹
-68 °C to 175 °C

Ford WSS-M2P177-A1-5 Sect. 3.5.7
Ford WSS-M2P184-A Sect. 3.6.7 & 3.6.8
Honda HES D6001 Sect. 4.4.1
Honda HES D6501 Sect. 3.20.1
Honda HES D6501 Sect. 3.20.2
MIL-STD-810G Method 501.5, 502.5, 507.5
Toyota TSH 1551G Sect. 9

Thermal Shock¹
-68 °C to 175 °C

Ford WSB-M1P83-B1 Sect. 3.8.2
GM4372M Sect. 3.5.2² (superseded 2011)
GMW14672
Honda HES D6001 Sect. 4.4.4
Honda HES D6501 Sect. 3.29
Toyota TSH 1551G

UV Exposure
Irradiance: 0.33 W/m² to 1.35 W/m²
Black Panel Temperature: up to 83 °C
Bulb Type: UVA-340, UVB-313, UVA-351

ASTM D4329
ASTM D4587
ASTM D5894
ASTM G154
ASTM G53
SAE J2020

Water Immersion

ASTM D870
Ford FLTM BI 104-01
GM3628M (3.12)² (superseded 2015)
GMW17356
GM4466P² (superseded 2015)
GM9514P² (inactive 2011)

Test Description and Equipment Parameters**Test Method(s) / Standard(s)**

Water Immersion

Honda 5100Z-SG0-A000
Honda HES D6501 Sect. 3.18
Honda HES D6501 Sect. 3.37
ISO 2812-2
Mazda MES MN601 (13)
Toyota TSH 1551G

¹ Also using customer specific test methods utilizing any combination of test equipment parameters listed above.

² This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.



Accredited Laboratory

A2LA has accredited

AUTO TECHNOLOGY COMPANY

Strongsville, OH

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 29th day of November 2021.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2563.02
Valid to December 31, 2023

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