



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASSURED TESTING SERVICES

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MECHANICAL

Valid To: March 31, 2013

Certificate Number: 2012.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metals and metal coatings:

<u>Test</u>	<u>Test Methods</u>
<i>Corrosion:</i>	
Salt Spray	ASTM B117, G85 (Sections A1, A2, A5); Chrysler LP-463PB-10-01; DIN 50 021; Ford BI 103-01; GM 4298P; GMW3286; Nissan NES 0140; Toyota TSH1552G; Honda HES D6001; Honda HES 6501 (Sections 3.15.1, 3.15.2); ISO 9227; JASO M610; John Deere JDQ 115; John Deere JDQ 150; JIS H 8502 (Section 7.1); JIS Z2371 (Section 7.2.1); MIL-STD-810F Method 509.4; MIL-STD-810G Method 509.5
20% Salt Spray	ASTM C1503
Acetic Acid Salt Spray (AASS)	ISO 9227; DIN 50 021; JIS H8502 (Section 7.2); JIS Z2371 (Section 7.2.2)
Copper Accelerated Acetic Acid - Salt Testing (CASS)	ASTM B368; DIN 50 021; ISO 9227; Ford BQ 105-01; GM 4476P; GMW 14458; JIS H8502 (Section 7.3); JIS Z2371 (Section 7.2.3)

<u>Test</u>	<u>Test Methods</u>
Cyclic Salt Fog	Ford BI 123-01
Cyclic Salt Fog with UV Exposure	ASTM D5894
Cyclic Corrosion Resistance	GM 9540P; GM 9505P; GM 9619P; Nissan M0158, CCT-I, CCT-IV; SAE J2334; Delphi DX900115; Chrysler LP-463PB-10-01; Ford MA0045; Ford LACT /CETP 00.00-L-467; Ford BI 123-01; Ford BI 123-02; Ford BI 123-03; Honda 5100Z-SGO-A000 (6-2); Honda 5100Z-SEO-000 (6-2); VDA 621-415; GMW 14872; GMW 14124; Volvo STD 423-0014
Modified Salt Fog	ASTM G85-02 Annex 1 Acetic Acid Salt Spray; ASTM G85-02 Annex 2 Acidified Salt Water; ASTM G85-02 Annex 3 SWAAT; ASTM G85-02 Annex 4 SO2-Modified Salt Spray; ASTM G85-02 Annex 5 Modified Salt Spray
Corrosion Creepback	GM 9102P; GM 9511P
Filiform Corrosion	Honda HES D6501-06 (Section 3.16.1); ASTM D2803
Hot Salt Water Resistance	Honda 5100Z-SGO-A000 (6-3); Honda 5100Z-SEO-000 (6-3)
Humidity	ASTM A967-05; D1735, D2247, D4585; Chrysler LP-463PB-09-01; GM 4465P; GMW 14729; Honda HES D6501 (Section 3.19); Honda 5100-SGO-A000 (6-9); Honda 5100-SEO-000 (6-8); Honda 4251Z-SEP-A000 (Section 4); ISO 6270-2; John Deere JDQ 120; DIN 50 017; QQ-P-35C; SAE AMS2700C; SAE-AMS-STD 753C; TSH 1505G (relocation); MIL-A 8625F; Whirlpool T22

Test

Test Methods

Miscellaneous:

Acid Resistance

Honda HES D6501 (Section 3.25);
Honda 5100Z-SGO-A000 (6-15);
Honda 5100Z-SEO-000 (6-14);
MS619-07 4.6

Adhesion

ASTM D3359;
Chrysler LP-463PB-15-01;
Ford BI 106-01;
GM 9071P; GMW 3044 (Section 3.3); GMW 14829;
GM 9502P Knife Crosshatch;
Honda HES 6501 Section 3.6;
Honda 5100Z-SGO-A000 (6-6);
Honda 5100Z-SEO-000 (6-5);
Honda 4251Z-SEP-A000 (Section 1);
John Deere JDQ 17;
MS600-35 6.8.1, 6.8.2; MS619-07 4.5;
FED-STD-141-6301;
Volvo STD 423-0009; Volvo STD 5712, 104;
Navistar CEMS GT-5A

Alkali Resistance

Honda 5100-SGO-A000 (6-14);
Honda 5100-SEO-000 (6-13);
Honda HES D6501 (Section 3.24)

Chemical and Fuel Resistance

John Deere JDQ 138A, JDQ 138B;
Honda 5100Z-SGO-A000 (6-17);
Honda 5100Z-SEO-000 (6-16);
Honda 4251Z-SEP-A000 (Section 5);
Honda HES D6501 (Section 3.21);
Volvo STD 1026, 8177; Volvo STD 1027, 6132;
GMW 14333; GMW 14334
MIL-PRF-24667

Chip Resistance (Gravelometer)

Honda 5100-SGO-A000 (6-11);
Honda 5100-SEO-000 (6-10);
Honda HES D6501 (Section 3.33);
GMW 14700; GM 9508P;
SAE J400;
ASTM D3170;
John Deere JDQ 118;
Delphi DX 900163;
TSH 1553G

<u>Test</u>	<u>Test Methods</u>
Coating Weight	GM 4435; ASTM B680; A90/A90M:07; ASTM B137-95 (Re-approved 2000); Honda 5100-SGO-A000 (7-2); MIL-A 8625F
Degree of Rusting	ASTM D610; ISO 4628-3
Degree of Blistering	ASTM D714; ISO 4628-2
Dime Scrape	GM 9506P
Evaluation of Painted/Coated/Plated Specimens	ASTM D1654; ASTM B537 ISO 10289; GM 8101G; GMW 15357
Gasoline Puddle Test for Gasoline Fill Areas	GM 9500P
Gasoline Dip Test for Painted Parts (A and B)	GM 9501P
Gloss	ASTM D523; John Deere JDQ 12; Honda HES D6501 (Section 3.3)
Heat Resistance	Honda 4251Z-SEP-A000 (Section 7)
Label Compatibility	GMW 4700 (Section 3.7); GMW 3044 (Section 4.7)
Film Thickness	
Magnetic Method: Nonmagnetic Coatings on Magnetic Basis Metals	ASTM B499; ASTM D7091; GM 4260 (Method 5); Ford BI 117-01; ISO 2808
X-Ray Spectrometry	ASTM B568; GM 4260 (Method 9)
Oil Resistance	Honda 5100Z-SGO-A000 (6-16); Honda 5100Z-SEO-000 (6-15); Honda 4251Z-SEP-A000 (Section 6); Honda HES D6501 (Section 3.23); Ford WSS M21P44-A1; Volvo STD 1026, 8177; Volvo STD 1027, 6132

<u>Test</u>	<u>Test Methods</u>
Pencil Hardness	ASTM D3363; Ford FLTM BI 151-01; Honda 5100Z-SGO-A000 (6-5); Honda 5100Z-SEO-000 (6-4); Honda HES D6501 (Section 3.5); JIS K 5600-5-4; John Deere JDQ 1.1; Toyota TSH 1539G; Navistar CEMS GT-4D; TSH 1500G
Rapid Water Cooling	Honda HES D6501 (Section 3.20.2)
Solvent Rub Method for Determining Cure of Painted Metal or Plastic Substrates	GM 9509P; GMW 15891; Honda D6501-06 (Section 3.22); TSH 1551G; ASTM D5402
Sulfur Dioxide Test (Kesternich) (SO ₂)	ASTM G87; DIN 50 018; ISO 3231; ISO 6988
Temperature and Humidity	GM 9540P (Modified: (-65° to 180°) C, (10 to 95) % RH, Limited by 85°C Max Dry Bulb and 4°C Min Dew Point)
Temperature Resistance	John Deere JDQ 148; TSH 1551G; Ford WSS-M2P177-A1-5; HES D6001; HES D6501
Thermal Shock	John Deere JDQ 149; ASTM D6944; Ford WSB-M1P83; GM 4372M; HES D6001; HES D6501; Navistar CEMS GT-14; TSH 1551G
Heat/Quench	Delphi DX551200; Delphi DX551300
Thickness	Honda HES D6501 (Section 3.2.2)
Thumbnail Hardness Test for Painted Parts	GM 9507P
Water Holding Capacity for Mulch	ASTM D7367

Test

Test Methods

Water Immersion

Ford B1 104-01;
Honda 5100Z-SGO-A000 (6-8, 6-10);
Honda 5100Z-SEO-000 (6-7, 6-9);
Honda 4251Z-SEP-A000 (Section 5);
Honda HES D6501 (Sections 3.18, 3.37);
Hyundai MS619-07;
ASTM D870;
CAT MG1004-151;
TSH 1551G;
Navistar CEMS GT-7G

Wax Resistance

Honda 5100-SGO-A000 (6-18);
Honda 5100-SEO-000 (6-17)

Wear Resistance

Honda HES D6501 (Section 3.32.1)

UV Exposure

ASTM G151; G154; D4587;
SAE J2020;
NES M0007;
IEEE C57.12.28-2005; IEEE C57.12.31-2002

Taber Abrasion

ASTM D4060



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

ASSURED TESTING SERVICES

Ridgway, PA

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 21st day of March 2011.





President & CEO
For the Accreditation Council
Certificate Number 2012.01
Valid to March 31, 2013

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