



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NATIONAL EXPOSURE TESTING, INC.
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MECHANICAL

Valid To: October 31, 2022

Certificate Number: 1197.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on paints, coatings, and materials on components, assemblies, and fasteners within the following operational ranges:

<u>Parameter</u>	<u>Range</u>
Temperature / Relative Humidity	(-70 to 150) °C ± 1.5 °C / (0 to 100) % RH ± 3 % RH Maximum chamber dimensions – 36”x 36”x 36” (-40 to 150) °C ± 1.5 °C / (0 to 100) % RH ± 2 % RH Maximum chamber dimensions – 112”x 90”x 80”
Temperature	(Ambient to 220) °C Maximum chamber dimensions – 7”x 8”x 7”

Also using customer-specified methods directly related to the parameters listed above and test methods listed below.

<u>Test</u>	<u>Test Method(s)</u>
Tape Adhesion	ASTM D3359; DIN EN ISO 2409; FLTM BI 106-01; GM 9071P (<i>superseded 2012</i>) ¹ ; GMW14829; ISO 2409; Navistar MPAPS GT-Paint GT-5A
Water Immersion	ASTM D870; Caterpillar MG1004-151; FLTM BI 104-01; HES D6501 (Sections 3.18 and 3.37); HES S84 (Section 6.7); Navistar MPAPS GT-Paint GT-7G; TSH 1551G

Test

Test Method(s)

Chip Resistance

ASTM D3170;
Delphi DX 900163;
GM 9508P (Method B) (*superseded 2010*)¹;
GMW14700 (Methods B and C);
HES D6501 (Section 3.33);
SAE J400;
TSH 1553G

Humidity

ASTM D1735;
ASTM D2247;
ASTM D4585;
DIN EN ISO 6270-2;
GM 4465P (*superseded 2011*)¹;
GMW3044;
GMW4700 (Label Compatibility);
GMW14729;
HES D6501 (Section 3.19);
HES S84 (Section 6.8);
Navistar MPAPS GT-Paint GT-7E;
SAE-AMS-STD 753A (Method 101);
TSH 1505G;
ISO 6270-2

Salt Spray

ASTM B117;
DIN EN ISO 9227;
GMW3286;
FIAT 501280 A1;
FLTM BI 103-01;
HES D6001 (Section 4.3);
HES D6501 (Sections 3.15.1 and 2);
IEC 60068-2-11;
ISO 9227;
JASO M610;
JIS H8502 (Section 7.1);
JIS Z2371;
MIL-STD 810 (Method 509.6 Salt Spray);
Navistar MPAPS GT-Paint GT-7D;
NES M0140;
TSH 1552G

20% Salt Spray

ASTM C1503

Acetic Acid Salt Spray

ASTM G85 Annex 1;
DIN EN ISO 9227 AASS;
ISO 9227 AASS;
JIS Z2371



<u>Test</u>	<u>Test Method(s)</u>
Pencil Hardness	ASTM D3363; HES D6501 (Section 3.5); HES S84 (Section 6.4); Navistar MPAPS GT-Paint GT-4D; TSH 1500G
Dime Scrape	GM 9506P (<i>inactive 2013</i>) ¹
Thumbnail Hardness	GM 9507P (<i>inactive 2011</i>) ¹
Film Thickness	ASTM D7091; ASTM B499; FLTM BI 117-01; ISO 2808; HES D6501 Sec. 3.2
Solvent Rub	ASTM D5402; GM 9509P (<i>superseded 2012</i>) ¹ ; GMW15891; Navistar MPAPS GT-Paint GT-14A; TSH 1551G (Section 5.2)
Cyclic Corrosion	Chrysler LP-463PB-22-01; Delphi DX900115; FLTM BI 123-01; FLTM BI 123-02; FLTM BI 123-03; Ford TM 00.00-L-467; GM 9505P (Cycles A-O) (<i>superseded 2010</i>) ¹ ; GM 9511P (<i>superseded 2010</i>) ¹ ; GM 9540P (<i>superseded 2010</i>) ¹ ; GM 9619P (<i>superseded 2010</i>) ¹ ; GMW14124; GMW14872; GMW15288; Honda DWG.5100Z-SE0-0000 (CCT portion); Navistar MPAPS GT-Paint GT-7D; NES M0158, CCT-I; NES M0158, CCT-IV; Peugeot B21 7130 (Appendix 3); SAE J2334; VDA 621-415
Chipping Corrosion	FCA LP-463PB-52-01; Navistar MPAPS GT-Paint GT-30
Modified Salt Fog	ASTM G85 (Annexes 2, 3, 4, and 5)



Test

Test Method(s)

C.A.S.S

ASTM B368;
DIN EN ISO 9227 CASS
FLTM BQ 105-01;
GMW14458;
ISO 9227 CASS;
JIS H8502 (Section 7.3);
JIS Z2371

Kesternich (SO₂)

ASTM D6294;
ASTM G87;
DIN 50018;
Fiat 50180 (Methods D1 and D2);
ISO 3231;
ISO 6988

Corrodkote

ASTM B380

Cyclic Salt Fog / UV Exposure

ASTM D5894;
ISO 20340 (Annex A)

UV (QUV) Exposure

ASTM D4587;
ASTM G151;
ASTM G154;
IEEE C57.12.28-2014;
IEEE C57.12.31-2010;
ISO 4892-3;
ISO 11507 (Method A);
NES M0007 (Section 48 UV Method);
SAE J2020

Filiform

ASTM D2803 (Procedures A-C);
HES D6501 (Section 3.16.1)

Rating and Evaluation

ASTM B537;
ASTM D610;
ASTM D714;
ASTM D1654;
DIN EN ISO 4628-2;
DIN EN ISO 4628-3;
DIN EN ISO 4628-8;
GM 8101G (*superseded 2009*)¹;
GM 9102P (*superseded 2010*)¹;
GMW15282;
GMW15357;
GMW15359;
ISO 4628-2;
ISO 4628-3;
ISO 4628-4;
ISO 4628-5;
ISO 4628-8;
ISO 10289



<u>Test</u>	<u>Test Method(s)</u>
Temperature	Ford WSS-M2P177-A1-5 (Section 3.5.7); HES D6001 (Section 4.4.1); HES D6501 (Sections 3.20.1 and 2); TSH 1551G (Section 9)
Thermal Cycle	ASTM D6944 (Method B); Ford WSB-M1P83 (Section 3.8.2); GM 4372M (Section 3.5.2); GMW14668 3.4.9; HES D6001 (Section 4.4.4); HES D6501 (Section 3.29); Navistar MPAPS GT-Paint GT-14C; TSH 1551G
Heat / Quench	Delphi DX551200; Delphi DX551300; GMW3044; GMW4700
pH	ASTM E70; ASTM D1293
Conductivity	ASTM D1125
Specific Gravity	ASTM D1429
Salt Water Immersion	Chrysler MS-PB1-2; Honda DWG.5100Z-SE0-0000
Visual Appearance	GMW3044; GMW4700
IEEE Scab	C57.12.28-2014; C57.12.31-2010
Corrosion Resistance	Harley-Davidson Test Flow 1 (Humidity/Salt Spray)
Gloss	ASTM D523; FLTM BI 110-01
Insulating Fluid Resistance	IEEE C57.12.31-2010 (Section 4.5.4) IEEE C57.12.28-2014 (Section 5.5.4)
Color	ASTM D2244

¹ This laboratory's scope contains withdrawn, superseded, or inactive 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

NATIONAL EXPOSURE TESTING INC.

Sylvania, 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 8th day of October 2020.

A handwritten signature in blue ink, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1197.01
Valid to October 31, 2022

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