SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NATIONAL EXPOSURE TESTING, INC.
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MECHANICAL

Valid To: October 31, 2024 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:

Parameter	**Range**
Temperature / Relative Humidity	(-70 to 150) ºC ± 1.5 ºC / (0 to 100) % RH ± 3 % RH Maximum chamber dimensions – 36”x 36”x 36”
	(-40 to 150) ºC ± 1.5 ºC / (0 to 100) % RH ± 2 % RH Maximum chamber dimensions – 112”x 90”x 80”
Temperature	(Ambient to 220) ºC 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.

Test	**Test Method(s)**
Tape Adhesion	ASTM D3359; DIN EN ISO 2409; FLTM BI 106-01; Fuji TS430-07-089; GM 9071P (*superseded 2012*)[1]; HES D6501 Section 3.6; GMW14829; Inteva MX900161; ISO 2409; JIS K5600-5-6; Navistar MPAPS GT-Paint GT-5A; NES M0007 Section 29
Water Immersion	ASTM D870; Caterpillar MG1004-151; FLTM BI 104-01; HES D6501 (Sections 3.18 and 3.37); HES S84 (Section 6.7);

Test	Test Method(s)
Water Immersion (*continued*)	Navistar MPAPS GT-Paint GT-7G; NES M0007 Section 57; TSH 1551G
Chip Resistance	ASTM D3170; Delphi DX 900163; GM 9508P (Method B) (*superseded 2010*)[1]; GMW14700 (Methods B and C); HES D6501 (Section 3.33); Inteva MX900163; NES M0007 Section 28 Method A; SAE J400; TSH 1553G
Humidity	AC257; ASTM D1735; ASTM D2247; ASTM D4585; ASTM G198; DIN EN ISO 6270-2; Fuji TS430-07-089; GM 4465P (*superseded 2011*)[1]; GMW3044; GMW4700 (Label Compatibility); GMW14729; HES D6501 (Section 3.19); HES S84 (Section 6.8); Inteva MX900159; ISO 6270-2; Navistar MPAPS GT-Paint GT-7E; NES M0007 Section 32 Method A; SAE-AMS-STD 753B (Method 101); Subaru TS312-01-051; TSH 1505G
Salt Spray	ASTM B117; DIN EN ISO 9227; GMW3286; FCA 50180 A1; FLTM BI 103-01; HES D6001 (Section 4.3); HES D6501 (Sections 3.15.1 and 2); IEC 60068-2-11; ISO 9227; JIS H8502 (Section 7.1); JIS Z2371; MIL-STD 810 (Method 509.6 Salt Spray); Navistar MPAPS GT-Paint GT-7D; NES M0140; Tesla TS-0004813; TSH 1552G
20% Salt Spray	ASTM C1503;

Test	Test Method(s)
Acetic Acid Salt Spray	ASTM G85 Annex 1; DIN EN ISO 9227 AASS; ISO 9227 AASS; JIS Z2371
Pencil Hardness	ASTM D3363; Fuji TS430-07-089; HES D6501 (Section 3.5); HES S84 (Section 6.4); ISO 15184; JIS K5600-5-4; Navistar MPAPS GT-Paint GT-4D; NES M0007 Section 26 Manual; TSH 1500G; TSH 1539G
Dime Scrape	GM 9506P (*inactive 2013*)[1]
Thumbnail Hardness	GM 9507P (*inactive 2011*)[1]
Film Thickness	ASTM D7091; ASTM B499; FLTM BI 117-01; Fuji TS430-07-089; ISO 2808; HES D6501 Sec. 3.2
Solvent Rub	ASTM D4752; ASTM D5402; FCA LP 463PB-31-01 Method J; GM 9509P (*superseded 2012*)[1]; GMW15891; Inteva MX900120; Navistar MPAPS GT-Paint GT-14A; TSH 1551G (Section 5.2)
Cyclic Corrosion	ASTM G198; FCA 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) (*superseded 2010*)[1]; GM 9511P (*superseded 2010*)[1]; GM 9540P (*superseded 2010*)[1]; GM 9619P (*superseded 2010*)[1]; GMW14124; GMW14872; GMW15288;

Test	Test Method(s)
Cyclic Corrosion (*continued*)	HES D6001 CC; Honda DWG.5100Z-SE0-0000 (CCT portion); IEC 60068-2-52; ISO 11997-1 Cycles A-D; ISO 12944-6 Annex B; JASO M609; JASO M610; Navistar MPAPS GT-Paint GT-7D; NES M0007 Section 34; NES M0158, CCT-I; NES M0158, CCT-IV; Peugeot B21 7130 (Appendix 3); SAE J2334; Tesla TP-0000808 (Humidity Fog); VDA 621-415
Chipping Corrosion	FCA LP-463PB-52-01; Navistar MPAPS GT-Paint GT-30
Modified Salt Fog	ASTM G85 (Annexes 2, 3 and 5)
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 (SO_2)	ASTM D6294; ASTM G87; DIN 50018; DIN EN ISO 22479; FCA 50180 (Methods D1 and D2); ISO 22479; ISO 3231
Corrodkote	ASTM B380
Cyclic Salt Fog / UV Exposure	ASTM D5894; ISO 20340 (Annex A)
UV (QUV) Exposure	ASTM D4587; ASTM G151; ASTM G154; Honda DWG 4271Z-TV0-E000; IEEE C57.12.28-2014; IEEE C57.12.31-2020; ISO 16474-3; ISO 4892-3; ISO 11507 (Method A);

Test	Test Method(s)
	NES M0007 (Section 48 UV Method); SAE J2020
Filiform	ASTM D2803 (Procedures A-C); HES D6501 (Section 3.16.1); IEC 60068-2-52; NES M0007 Section 35; Subaru TS312-01-051
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 ISO 17872
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 4.4.1), HES D6501 (Section 3.29); Navistar MPAPS GT-Paint GT-14C; NES M0007 Section 46; TSH 1551G
Heat / Quench	Delphi DX551200, Delphi DX551300; GMW3044, GMW4700; Inteva MX551200, Inteva MX551300
pH	ASTM E70, ASTM D1293

Test	Test Method(s)
Conductivity	ASTM D1125
Specific Gravity	ASTM D1429
Salt Water Immersion	FCA MS-PB1-2; Honda DWG.5100Z-SE0-0000, Honda DWG 5100Z-TR0-6000
Visual Appearance	Fuji TS430-07-089; GMW3044, GMW4700; TSH 1550G
IEEE Scab	C57.12.28-2014, C57.12.31-2020
Corrosion Resistance	Harley-Davidson Test Flow 1 (Humidity/Salt Spray)
Gloss	ASTM D523; FLTM BI 110-01; HES D6501 Method 3.3; ISO 2813; NES M0007 Section 21;
Insulating Fluid Resistance	IEEE C57.12.31-2020(Section 5.4.4), IEEE C57.12.28-2014 (Section 5.5.4)
Color	ASTM D2244; ASTM E1331
Edge Protection	GMW17218; NES M0007 Method 58
Anti-Tackiness	HES D6501 3.12

[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 26th day of September 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1197.01
Valid to October 31, 2024
Revised September 20, 2023

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