



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL EXPOSURE TESTING, INC.  
3545 Silica Road  
Suite E  
Sylvania, OH 43560  
Christa Lammers Phone: 419 841 1065

MECHANICAL

Valid To: October 31, 2012

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 used on automotive, solar and aerospace components and fasteners within the following operational ranges:

<u>Parameter</u>	<u>Range</u>
Temperature / Relative Humidity	(-70 to 150) °C / (0 to 100) % RH $\pm$ 3 % RH Maximum chamber dimensions – 36”x 36”x 36”
Temperature	(Ambient to 220) °C Maximum chamber dimensions – 7”x 8”x 7”
<u>Test</u>	<u>Test Method(s)</u>
Tape Adhesion	ASTM D3359; FLTM BI 106-01; GM 9071P; GMW14829; Navistar CEMS GT-5A
Water Immersion	ASTM D870; Caterpillar MG1004-151; FLTM BI 104-01; HES D6501 Sec. 3.18 and 3.37, S84 Sec. 6.7; Navistar CEMS GT-7G; TSH 1551G
Chip Resistance	ASTM D3170; Delphi DX 900163; GM 9508P Method B; GMW14700 Methods B and C; HES D6501 Sec. 3.33; SAE J400; TSH 1553G

<u>Test</u>	<u>Test Method(s)</u>
Humidity	ASTM D1735; ASTM D2247; ASTM D4585; GM 4465P; GMW3044; GMW4700 (Label Compatibility); GMW14729; HES D6501 Sec.3.19, S84 Sec. 6.8; Navistar CEMS GT-7E; SAE-AMS-STD 753C Method 101; TSH 1505G; ISO 6270-2
Salt Spray	ASTM B117; GM 4298P; GMW3286; FLTM BI 103-01; HES D6001 Sec. 4.3; HES D6501 Sec. 3.15.1 and 2; ISO 9227; JASO M610; JIS H8502 Sec. 7.1; JIS Z2371; Mil-Std 810 (Salt Spray Section); Navistar CEMS GT-7D; NES M0140; TSH 1552G
20% Salt Spray	ASTM C1503
Pencil Hardness (With D3363 pencils)	ASTM D3363; HES D6501 Sec. 3.5, S84 Sec. 6-4; Navistar CEMS GT-4D; TSH 1500G
Dime Scrape	GM 9506P
Film Thickness	ASTM D7091; FLTM BI 117-01; ISO 2808
Thumbnail Hardness	GM 9507P
Solvent Rub	ASTM D5402; GM 9509P; GMW15891; TSH 1551G Sec. 5.2
Cyclic Corrosion	Chrysler LP-463PB-22-01; Delphi DX900115; FLTM BI 123-01; FLTM BI 123-02; FLTM BI 123-03;



**Test**

**Test Method(s)**

Cyclic Corrosion (cont'd)

Ford CETP 00.00-L-467;  
GM 9505P Cycles A-O;  
GM 9511P;  
GM 9540P;  
GM 9619P;  
GMW14124;  
GMW14872;  
Honda DWG. 5100Z-SE0-0000 (CCT portion);  
Navistar CEMS GT-7D;  
NES M0158, CCT-I;  
NES M0158, CCT-IV;  
SAE J2334;  
VDA 621-415

Chipping Corrosion

Chrysler LP-463PB-52-01

Modified Salt Fog

ASTM G85 Annex 1, 2, 3, 4, & 5

C.A.S.S

ASTM B368;  
FLTM BQ 105-01;  
GM 4476P;  
GMW14458;  
JIS H8502 Sec. 7.3

Kesternich (SO<sub>2</sub>)

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

Corrodkote

ASTM B380;  
HES D6001 Ref. 1

UV (QUV) Exposure

ASTM D4587;  
ASTM G154;  
ASTM G151;  
IEEE C57.12.28-2005;  
IEEE C57.12.31-2002;  
NES M0007 Sec. 48 UV Method;  
SAE J2020

Cyclic Salt Fog / UV Exposure

ASTM D5894

Filiform

ASTM D 2803 Procedures A-C;  
HES D6501 Sec. 3.16.1

Rating and Evaluation

ASTM B537;  
ASTM D610;  
ASTM D714;  
ASTM D1654;  
GM 8101G;  
GM 9102P;  
GMW15282;



<u>Test</u>	<u>Test Method(s)</u>
Rating and Evaluation (cont'd)	GMW15357; ISO 4628-2; ISO 4628-3; ISO 10289
Temperature	Ford WSS-M2P177-A1-5 Sec. 3.5.7; HES D6001 Sec. 4.4.1; HES D6501 Sec. 3.20.1 and 2; TSH 1551G Sec. 9
Thermal Shock	ASTM D6944 Method B; Ford WSB-M1P83 Sec. 3.8.2; GM 4372M Sec. 3.5.2; HES D6001 Sec. 4.4.4; HES D6501 Sec. 3.29; Navistar CEMS GT-14C; TSH 1551G
Heat / Quench	Delphi DX551200; Delphi DX551300; GMW3044; GMW4700
pH	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
Handling Resistance	GMW3044; GMW4700
IEEE Scab	C57.12.28-2005; C57.12.31-2002
Dry to Touch	GMW3044; GMW4700
Corrosion Resistance	Harley-Davidson Test Flow 1 (Humidity/Salt Spray)

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





The American Association for Laboratory Accreditation

World Class Accreditation

# 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 17025:2005 *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 24th day of September 2010.



  
\_\_\_\_\_  
Peter Abney

President & CEO  
For the Accreditation Council  
Certificate Number 1197.01  
Valid to October 31, 2012

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