



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: March 31, 2021

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 Methods¹</u>
<u>Corrosion:</u>	
Salt Spray (Fog)	AAMA 611 (8.6); AAMA 612 (8.10.2); AAMA 621 (7.9.2); AAMA 907 (3.2); AAMA 2603 (8.7.2); AAMA 2604 (8.8.2); ASTM B117; ASTM G85 (Annexes A1, A2, A5); Daimler 49-00023 (10.2); DIN 50 021 superseded by ISO 9227; EIA 364-26; European Norm DS/EN 60068-2-11; Ford FLTM BI 103-01; GM 4298P replaced by GMW 3286; GMW 3044 (3.4); GMW 4700 (3.6); Honda 5100Z-SEO-0000 (6-2-1); Honda 5100Z-SGO-A000 (6-2-1); Honda 5100Z-TR0-6000 (6.9); Honda 5100Z-TR0-6001 (6.9); Honda 9000Z-T2A-A000 (6.3); Honda 9000Z-SJA-A000 (6.3); Honda HES D2021;

Test

Salt Spray (Fog), *cont'd*

Test Methods

Honda HES D6001 (4.3);
Honda HES D6501 (3.15.1, 3.15.2);
IEC 60068-2-52;
ISO 7253 superseded by ISO 9227;
ISO 9227;
JASO M610;
John Deere JDQ 115;
John Deere JDQ 150;
JIS H8502 (7.1);
JIS Z2371 (6.2);
MIL-M-13508 (4.4.8);
MIL-STD-202 (Method 101);
MIL-STD-753 (Method 104) superseded by
SAE AMS-STD-753 (Method 104);
MIL-STD-810 Method 509.6;
National Aerospace NASM 1312-1;
NAVISTAR CEMS GT-7D superseded by
MPAPS GT-Paint (GT-7D);
Nissan NES M0140;
PACCAR CMT0033 (9.14);
SAE AMS-STD-753 (Method 104);
Toyota TSH 1552G

Modified Salt Fog

ASTM G85 (Annex A1 Acetic Acid Salt Spray);
ASTM G85 (Annex A2 Cyclic Acidified Salt Water);
ASTM G85 (Annex A3 SWAAT);
ASTM G85 (Annex A4 SO₂-Modified Salt Spray);
ASTM G85 (Annex A5 Dilute Electrolyte Cyclic Salt
Spray-Prohesion)

20% Salt Spray

ASTM C1503 (7.3)

Acetic Acid Salt Spray (AASS)

ASTM G85 (Annex A1);
DIN 50 021 superseded by ISO 9227;
ISO 9227;
JIS H8502 (7.2);
JIS Z2371 (6.3);
MIL-STD-810 (Method 518.2);
PACCAR CMT0033 (9.13)

Accelerated Corrosion Testing
– (Mud Test)

GMW15264;
GMW17026

Copper Accelerated Acetic Acid
– Salt Testing (CASS)

ASTM B368;
DIN 50 021 superseded by ISO 9227;
Ford FLTM BQ 105-01;



Test

Copper Accelerated Acetic Acid
– Salt Testing (CASS), *cont'd*

Cyclic Salt Fog with UV Exposure

Cyclic Corrosion Resistance

Test Methods

GM 4476P (2010) replaced by
GMW 14458;
Honda HES D6001 (4.3);
ISO 9227;
JIS H8502 (7.3);
JIS Z2371 (6.4)

ASTM D5894;
ISO 11997-2;
ISO 20340 (2009) (Annex A)

AAMA 2605 (8.8.2);
CNH MTM0106;
Delphi DX900115;
FCA LP-463PB-22-01;
Ford CETP 00.00-L-467;
Ford TM 00.00-L-467;
Ford CETP 00.00-L-3190;
Ford FLTM BI 123-01;
Ford FLTM BI 123-02;
Ford FLTM BI 123-03;
Ford MA0045;
GM 9540P replaced by
GMW 14872;
GMW 3172 (2015) (9.4.7, 9.4.8);
GMW 14124 (Cycles A, D-K, M-P, R);
GMW 4700 (3.7);
Honda 5100Z-SEO-0000 (6-2-2);
Honda 5100Z-SGO-A000 (6-2-2);
Honda 5100Z-TR0-6000 (6.10);
Honda 5100Z-TR0-6001 (6.10);
Honda 6320Z-TK4-A000 (3.6);
Honda 9000Z-T2A-A000 (6.3);
Honda 9000Z-SJA-A000 (6.3);
Honda HES D2003 (5.3);
Honda HES D6001 (4.3);
ISO 11997-1;
JASO M609;
MIL-DTL-19834 (4.6.5);
MIL-STD-331, App C, Test C1, Tbl C1-1;
NAVISTAR CEMS GT-7D superseded by
MPAPS GT-Paint (GT-7D);
Nissan 92111NDS00;



Test

Test Methods

Cyclic Corrosion Resistance, *cont'd*

Nissan NES M0158;
Nissan NES M0007 (33.4);
Nissin Kogyo ST89-003 (2-2-2-2.2);
Renault D17 2028;
SAE J2334;
SAE J2842 (5.5.2.2);
Toyota TSH 1555G;
VDA 621-415;
Volkswagen PV 1210;
Volvo STD 423-0014;
Volvo VCS 1027,149

Chipping Corrosion

FCA LP-463PB-52-01;
MPAPS GT-Paint (GT-30)

Filiform Corrosion

ASTM D2803;
European Norm EN 3665;
Daimler 49-00023 (10.5);
GMW 15287;
Honda HES D6501 (3.16.1);
ISO 4623-2;
Nissan NES M0007 (Method 35);
SAE J2635;
Volvo STD 1027,141

Hot Salt Water Resistance

FCA MS-PB-1-2 (3.1.2);
Honda 5100Z-SEO-0000 (6-3);
Honda 5100Z-SGO-A000 (6-3);
Honda 5100Z-TR0-6000 (6.5);
Honda 5100Z-TR0-6001 (6.5)

Humidity

AAMA 612 (8.10.1);
AAMA 621 (7.9.1);
AAMA 2603 (8.7.1);
AAMA 2604 (8.8.1);
AAMA 2605 (8.8.1);
ASTM A380/A380M (7.2.5.2);
ASTM A967/A967M (14.2 Practice B);
ASTM D1735;
ASTM D2247;
ASTM D4585/D4585M;



Test

Humidity, *cont'd*

Test Methods

Daimler 49-00023 (10.3);
DIN 50 017 superseded by
ISO 6270-2;
Federal QQ-P-35C (4.4.1.2) superseded by
ASTM A967/A967M (14.2);
Ford FLTM BI-104-02;
GM 4465P superseded by
GMW14729;
Honda 4251Z-SEP-A000 (5-4);
Honda 5100Z-SEO-0000 (6-8);
Honda 5100Z-SGO-A000 (6-9);
Honda 5100Z-TR0-6000 (6.7);
Honda 5100Z-TR0-6001 (6.7);
Honda 9000Z-T2A-A000 (6.6);
Honda 9000Z-SJA-A000 (6.6);
Honda HES D2008 (4.2.6);
Honda HES D6501 (3.19);
ISO 6270-1;
ISO 6270-2;
John Deere JDQ 120;
MIL-M-13508 (4.4.7);
MIL-STD-202 (Method 103);
MIL-STD-753 (Method 101) superseded by
SAE AMS-STD-753 (Method 101);
MIL-STD-810 (Method 507.6);
NAVISTAR CEMS GT-7E; superseded by
MPAPS GT-Paint (GT-7E);
Nissan NES M0007 (Method 32);
PACCAR CMT0033 (9.12);
SAE AMS-2700 (3.2.1.1);
SAE AMS-STD 753 (Method 101);
SAE J1756 (7);
Toyota PPS 1005;
Toyota TSH 1505G (2.3);
Volvo STD 423-0018;
Whirlpool T22

SCAB Corrosion Creepback

Daimler 49-00023 (10.9);
GM 9511P superseded by
GMW 15288;
IEEE C57.12.28 (5.5.6 and Annex A);
IEEE C57.12.32 (4.5.5 and Annex A);
Nissan NES M0007 (Method 34)



Test

Test Methods

Miscellaneous:

Abrasion

ASTM D4060;
Daimler 49-00023 (9.11)
Ford FLTM BN 108-02;
Ford FLTM BN 108-04;
Honda HES D6501 (3.32.1, Method A);
MIL-P-18493 (4.3.3.4);
MIL-STD-13231 (5.11.1a)

Acid Resistance

ASTM D1308;
Honda 5100Z-SEO-0000 (6-14);
Honda 5100Z-SGO-A000 (6-15);
Honda 5100Z-TR0-6000 (6-11);
Honda 5100Z-TR0-6001 (6-11);
Honda HES D6501 (3.25);
Hyundai MS619-07 (2006) (4.6);
Nissan NES M0007 (Method 36);
Toyota PPS 1002;
Toyota TSH 1509G (2.1.3, 2.2.2);
Toyota TSH 1551G

Adhesion

AAMA 612 (8.6);
AAMA 621 (7.4);
AAMA 907 (3.1);
AAMA 2603 (8.4);
AAMA 2604 (8.4);
AAMA 2605 (8.4);
ASTM B571 (*excluding Section 6*);
ASTM D3359;
ASTM D4541 (A4, Method E);
Daimler 49-00023 (9.3)
FED-STD-141 (Method 6301.3);
Federal QQ-P-416F (4.6.2, Tbl 3) superseded by
SAE AMS-QQ-P-416 (3.3.2);
Ford FLTM BI 106-01;
Freightliner 49-00023 (7.3);
Fuji/Subaru TS-430-7-82 (6-2-5);

Test

Adhesion, *cont'd*

Test Methods

GM 9071P inactive, superseded by
GMW 14829;
GM 9502P inactive;
GMW 3044 (3.4);
Harley Davidson ES805-07012 (6.3);
Honda 4251Z-SEP-A000 (5.1);
Honda 5100Z-SEO-0000 (6-5);
Honda 5100Z-SGO-A000 (6-6);
Honda 5100Z-TR0-6000 (6.4);
Honda 5100Z-TR0-6001 (6.4);
Honda 9000Z-T2A-A000 (6.10);
Honda 9000Z-SJA-A000 (6.10);
Honda HES D2008 (4.2.10);
Honda HES D6501 (3.6);
Hyundai MS600-35 (6.8);
ISO 2409 (6.2);
ISO 2819 (4.1-4.10, 4.12);
John Deere JDQ 17;
Kongsberg KVS-200 (9.6.1, 9.6.2);
MIL-DTL-53072 (4.2.3.6.1);
Navistar CEMS GT-5A; superseded by
MPAPS GT-Paint (GT-5A);
Nissan NES M0007 (Method 29);
PACCAR CMT 0033 (9.5, 9.6, 9.7, 9.8);
SAE AMS-QQ-P-416 (3.3.2/4.6.2);
Toyota PPS 4002;
Toyota TSH 1503G (2.1, 2.2);
Toyota TSH 1551G;
Volvo STD 423-0009;
Volvo STD-423-0012;
Volvo STD 5712,104

Alkali Resistance

ASTM D1308;
Honda 5100Z-SEO-0000 (6-13);
Honda 5100Z-SGO-A000 (6-14);
Honda 5100Z-TR0-6000 (6.12);
Honda 5100Z-TR0-6001 (6.12);
Honda 9000Z-T2A-A000 (6.9);
Honda 9000Z-SJA-A000 (6.9);
Honda HES D2008 (4.2.9);
Honda HES D6501 (3.24);

TestAlkali Resistance, *cont'd*

Bend Resistance/Flexibility

Chemical, Cleaning Agent,
Lubricant, and Fuel ResistanceTest MethodsNissan NES M0007 (Method 37);
Toyota PPS 1002;
Toyota TSH 1509G (2.1.2, 2.2.1);
Toyota TSH 1551G;
Volkswagen TL 212 (3.6.2)ASTM D522, D522M;
ASTM B545 (X2.4);
ASTM B571 (3);
Ford FLTM BI 105-01;
Honda 5100Z-SEO-0000 (6-12);
Honda 5100Z-SGO-A000 (6-13);
Honda HES D6501 (3.10.1, 3.11);
ISO 6860;
Nissan NES M0007 (Method 30);
Toyota PPS 4003;
Toyota TSH 1504G (2.2)AAMA 612 (8.9);
AAMA 621 (7.8);
AAMA 2603 (8.6);
AAMA 2604 (8.7);
AAMA 2605 (8.7);
ASTM D1308;
ASTM D2248;
CAT MG1004-151;
Chrysler LP-463PB-31-01;
DS/IEC/EN 60068-2-74;
Daimler 49-00023 (9.6, 9.12, 10.6, 10.8);
FCA LP-463PB-31-01;
GM 9500P inactive, superseded by
GMW 14333;
GMW 14334;
GMW 14701 (Methods 2-4);
GMW 15284;
Honda 4251Z-SEP-A000 (5-5);
Honda 5100Z-SEO-0000 (6-16);
Honda 5100Z-SGO-A000 (6-17);
Honda 5100Z-TR0-6000 (6.14);
Honda 5100Z-TR0-6001 (6.14);
Honda 9000Z-T2A-A000 (6.7);

Test

Chemical, Cleaning Agent,
Lubricant, and Fuel Resistance, *cont'd*

Test Methods

Honda 9000Z-SJA-A000 (6.7);
Honda HES D2008 (4.2.7);
Honda HES D6501 (3.21, 3.22, 3.26.1, 3.27.1);
IEEE C57.12.28 (5.5.4);
IEEE C57.12.29 (5.5.4);
IEEE C57.12.32 (4.5.3);
ISO 2812-4;
John Deere JDQ 138;
MIL-PRF-24667 (4.5.8);
Navistar CEMS GT-7H; superseded by
MPAPS GT-Paint (GT-7H);
Navistar CEMS GT-7J; superseded by
MPAPS GT-Paint (GT-7J);
Nissan NES M0007 (Methods 38, 40, 41);
PACCAR CMT 0033 (9.23);
Toyota PPS 1002;
Toyota PPS 1006;
Toyota TSH 1551G;
VDA 621-412;
Volvo STD 1026,8177;
Volvo STD 1027,6132

Chip Resistance (Gravelometer)

ASTM D3170/D3170M;
Daimler 49-00023 (9.4)
Delphi DX 900163;
Ford FLTM BI-157-06;
Freightliner 49-00023 (7.4);
GM 9508P inactive, superseded by
GMW 14700;
Honda 5100Z-SEO-0000(6-10);
Honda 5100Z-SGO-A000 (6-11);
Honda 5100Z-TR0-6000 (6.8);
Honda 5100Z-TR0-6001 (6.8);
Honda HES D6501 (3.33);
ISO 20567-1;
John Deere JDQ 118;
Nissan NES M0007 (Method 28.3);
PACCAR CMT 0033 (9.18);
SAE J400;
Toyota TSH 1553G;
Volvo STD 1024,7132



<u>Test</u>	<u>Test Methods</u>
Coating Weight	AAMA 611 (8.2); AAMA 612 (8.2); ASTM A90/A90M; ASTM A428/A428M; ASTM B137; ASTM B680; ASTM B767; Federal TT-C-490 (3.4) (A.4.5-Type 1 and 5 coatings); Ford FLTM BQ 007-02; GM 9733P superseded by ISO 3892; Honda 5100Z-SEO-0000 (7.2); Honda 5100Z-SGO-A000 (7.2); Honda 9000Z-T2A-A000 (6.2); Honda 9000Z-SJA-A000 (6.2); Honda HES D2008 (4.2.2); ISO/EN 3892; MIL-A 8625 (4.5.2); MIL-DTL-16232 (4.7.3.2)
Dime Scrape	GM 9506P inactive; Delphi DX900068; PACCAR CMT0033 (9.22)
Distinctness of Image (DOI) Holdout	PACCAR CMT 0033 (9.21)
Gasoline Puddle	GM 9500P superseded by GMW 14333
Gasoline Dip Test for Painted Parts	GM 9501P superseded by GMW 14333 (4.4.1)
Gloss	AAMA 611 (8.4); AAMA 612 (8.4); AAMA 621 (7.2); AAMA 2603 (8.2); AAMA 2604 (8.2); AAMA 2605 (8.2); ASTM D523; ASTM D2457; Daimler 49-00023 (9.1); Ford FLTM BI 110-01;

Test

Gloss, *cont'd*

Hardness

Test Methods

Honda HES D6501 (3.3);
ISO 2813;
John Deere JDQ 12;
Nissan NES M0007 (Method 21);
PACCAR CMT 0033 (9.16, 9.17);
Toyota TSH 1519G (3)

AAMA 612 (8.5);
AAMA 621 (7.3);
AAMA 2603 (8.3);
AAMA 2604 (8.3);
AAMA 2605 (8.3);
ASTM D3363;
Daimler 49-00023 (9.7);
Ford FLTM BI 151-01;
Fuji/Subaru TS430-07-089 (6.2);
Honda 5100Z-SEO-0000(6-4-1);
Honda 5100Z-SGO-A000 (6-5-1);
Honda 5100Z-TR0-6000 (6.3);
Honda 5100Z-TR0-6001 (6.3);
Honda HES D6501 (3.5);
ISO 15184;
JIS K 5600-5-4;
John Deere JDQ 11;
Mitsubishi MS-82-3101 (6.6);
Navistar CEMS GT-4D; superseded by
MPAPS GT-Paint (GT-4D);
Nissan NES M0007 (Method 26);
PACCAR CMT 0033 (9.4);
Toyota TSH 1539G (2.1)



TestTest Methods

Heat/Quench - Rapid Water Cooling

Delphi DX551200 (4.4.3);
Delphi DX551300 (4.5.3);
GMW 4700 (3.2);
Harley-Davidson ES805-07011 (6.8);
Harley-Davidson ES805-07012 (6.8);
Honda HES D6501 (3.20.2);
Toyota TSH 3101G (5.7)

Hydrogen Embrittlement

ASTM F519

Impact

AAMA 612 (8.7);
AAMA 621 (7.5);
AAMA 2603 (8.5);
AAMA 2604 (8.5);
AAMA 2605 (8.5);
ASTM D2794;
ASTM D5420;
Daimler 49-00023 (9.9);
ISO 6272-1;
ISO 6272-2;
JIS K5600-5-3 (6);
Nissan NES M0007 (Method 27);
PACCAR CMT 0033 (9.10);
Toyota TSH 1504G (2.1);
Toyota TSH 1551G (3)

Label Compatibility

GMW 4700 (3.8)

Oil Resistance

ASTM D1308;
Daimler 49-00023 (10.7);
Ford WSS-M21P44-A1 (3.11.4);
GMW14671 (3.9.1);
Honda 4251Z-SEP-A000 (5.6);
Honda 5100Z-SEO-0000 (6-15);
Honda 5100Z-SGO-A000 (6-16);
Honda 5100Z-TR0-6000 (6.13);
Honda 5100Z-TR0-6001 (6.13);
Honda 9000Z-SJA-A000 (6.8);
Honda 9000Z-T2A-A000 (6.8);
Honda HES D2008 (4.2.8);



TestTest MethodsOil Resistance, *cont'd*

Honda HES D6501 (3.23);
Isuzu ISC-E00-006 (4.17, 4.20, 4.21);
Mitsubishi ES-X71221 (4.3);
Nissan NES M0007 (Method 39);
Volvo STD 1026,8177;
Volvo STD 1027,6132;
Toyota TSH 1551G (10, 13)

Pull Off Strength (Adhesion)

ASTM D4541 (A4, Method E)

Rating and Evaluation:

Degree of Rusting

ASTM D610;
GM 8101G superseded by
GMW 15357;
GMW 15356;
GMW 15359;
ISO 4628-3

Degree of Blistering

ASTM D714;
ISO 4628-2

Evaluation of Painted/Coated/
Plated Specimens

ASTM B537;
ASTM D1654;
ASTM D4214;
GM 9102P superseded by
GMW 15282;
ISO 4628-1;
ISO 4628-8;
ISO 10289

Rub Resistance

Toyota TSH 1502G

Scratch Resistance

ASTM D5178;
ISO 1518-1

Solvent Rub Method for
Determining Cure

ASTM D5402;
Daimler 49-00023 (9.5);
Delphi DX900120;
FCA LP-463PB-31-01 (Method J)
Ford WSS-M70J5-C1 (3.8.3);
Ford WSS-M99P40-A3/A4 (3.5.9);



Test

Solvent Rub Method for
Determining Cure, *cont'd*

Sulfur Dioxide Test
(Acid Rain) (Kesternich) (SO₂)

Temperature Resistance /
Heat Resistance /
Thermal Cycle / Shock

Test Methods

Fuji/Subaru TS430-07-026 (9);
GM 9509P superseded by
GMW 15891;
Honda HES D6501 (3.22);
Kongsberg KVS-200 (9.5.1);
MIL-DTL-53072 (4.2.3.2);
Navistar CEMS GT14A superseded by
MPAPS GT-Paint (GT-14A);
PACCAR CMT 0033 (9.15);
Toyota TSH 1551G (5.2)

ASTM D6294/ D6294M;
ASTM G85 (Annex A4);
ASTM G87;
DIN 50 018;
Fiat 50180 (2007) (Methods D1 and D2);
IEC/EN 60068-2-42;
ISO 3231;
ISO 6988;
UL 2703 (2015) (19.2)

ASTM C884/ C884M;
ASTM D5427;
ASTM D6944;
FCA LP-463-PB-22-01;
FCA LP-463-PB-64-01;
FCA PF.90176 (5.1, 5.2);
Ford ESFL34-18C310-AA; (3.17);
Ford ESGV61-18D473-AA; (R1, R2, R3);
Ford ESGV61-18D473-AB; (3.22. 3.23. 3.24);
Ford FLTM BI 107-05;
Ford FLTM BQ 104-07;
Ford WSS-M1P83-F1 (3.6);
Ford WSS-M2P177-A1-5 (3.5.7);
Ford WSS-M2P184-A (3.6, 3.7, 3.8) superseded by
WSS-M15P52-A (2009) (3.3.5, 3.3.6);
Ford WSS-M2P190-A (3.4.7, 3.4.8);
Ford WSS-M70J5-C1 (3.8.9, 3.8.10);
Fuji/Subaru TS 430-7-82 (6.2.13);



Test

Temperature Resistance /
Heat Resistance /
Thermal Cycle / Shock, cont'd

Test Methods

GM 4372M (3.5.2) superseded by
GMW 14672 (3.4.6);
GMW 14658 (3.4.8);
GMW 14668 (3.4.6, 3.4.7, 3.4.8);
Harley-Davidson ES805-07011 (6.7);
Harley-Davidson ES805-07012 (6.7);
Honda 4251Z-SEP-A000 (5-7);
Honda 9000Z-T2A-A000 (6.11);
Honda 9000Z-SJA-A000 (6.11);
Honda HES D6001 (4.4.1);
Honda HES D6501 (3.20.1, 3.29);
ISO 3270;
IEEE C57.12.32 (4.5.6);
John Deere JDQ 148;
John Deere JDQ 149;
MIL-DTL-19834 (4.6.12);
MIL-M-13508 (4.4.4);
MIL-STD-810 (Methods 501.6, 502.6);
Navistar CEMS GT-14C; superseded by
MPAPS GT-Paint (GT-14C);
Nissan NES M0007 (Method 46);
SAE AMS-2403 (3.4.3);
SAE AMS-3095 (3.2.2.13);
Toyota TSH 3101G (5.7);
Toyota TSH 1551G;
Volkswagen TL211 (5.1, 5.1.1);
Volkswagen TL212 (3.7);
Volkswagen TL256 (9);
Yamaha YGK-8-501 (7.12, 7.13)

Thickness

AAMA 611 (8.1);
AAMA 612 (8.1);
ASTM B244;
ASTM B499;
ASTM D1005 (6.3);
ASTM D7091 (Type 2);
CAT 1E1951 (9.4);
CAT 1E1952 (9.4);
CAT 1E2731 (9.2);
CAT 1E2732 (9.2);
Federal TT-C-490 (6.7);
Ford FLTM BI 117-01;
Ford WSS M2P190-A (3.2.4);
Fuji/Subaru TS430-07-089 (6.1);
GM 4260P (Method 8) inactive;
Honda 5100Z-TR0-6000 (6.2);
Honda 5100Z-TR0-6001 (6.2);
Honda HES D6501 (3.2.2);



<u>Test</u>	<u>Test Methods</u>
Thickness cont'd	ISO 2808 (4.3.4, 5.2.4, 5.3.4, 5.5.8, 6.2.4, 6.3.5); JIS H8501 (11); MIL-DTL-53072 (4.2.3.3); PACCAR CMT0033 (9.2.3)
Thickness, X-Ray	ASTM B568; GM 4260P (Method 9) inactive; ISO 3497; JIS H 8501 (13)
Thumbnail Hardness Test for Painted Parts	GM 9507P inactive, no superseding document
Water Resistance	ASTM A967/A967M (14.1, Practice A); ASTM D870; CAT MG1004-151; Daimler 49-00023 (10.4); Ford FLTM BI 104-01; Ford WSS-M2P170-B1 (3.4.3); Ford WSS-M99P41-A10 (3.26); GMW 14704; Honda 4251Z-SEP-A000 (5.3); Honda 5100Z-SEO-0000 (6-7, 6-9); Honda 5100Z-SGO-A000 (6-8, 6-10); Honda 5100Z-TR0-6000 (6.6); Honda 5100Z-TR0-6001 (6.6); Honda HES D2008 (4.2.5); Honda HES D6501 (3.18, 3.37); Hyundai MS619-07 (2006) (4.5); ISO 2812-2; ISO 20653 (8.4, Tbl 7, Codes 7,8); Navistar CEMS GT-7G; superseded by MPAPS GT-Paint (GT-7G); Nissan NES M0007 (Method 57); MIL-STD-753 (Method 100) superseded by SAE AMS-STD-753 (Method 100); Mitsubishi ES X 71221 (4.4); PACCAR CMT 0033 (9.25); SAE AMS-2700 (3.2.1.2); SAE AMS-STD-753 (Method 100); Toyota PPS 1005; Toyota TSH 1505G; Toyota TSH 1509G (2.1.1); Toyota TSH 1551G (6)
Wax Resistance	Fuji/Subaru TS430-07-026 (12); Honda 5100Z-SEO-0000 (6-17); Honda 5100Z-SGO-A000 (6-18)

Test

Test Methods

UV Weathering

ASTM D4329;
ASTM D4587;
ASTM D4674 (9.1.1, Method 1) withdrawn;
ASTM D4799/ D4799M;
ASTM D5208;
ASTM G53-96 superseded by ASTM G154;
ASTM G151;
ASTM G154;
European Norm EN 927-6;
European Norm EN 1297;
European Norm DS/EN 12224;
European Norm EN/DIN 13523-10;
IEEE C57.12.28 (5.5.5);
IEEE C57.12.31 (4.5.5);
ISO 4892-1;
ISO 4892-3;
Navistar MPAPS GT-31 (Methods C&D);
Nissan NES M0007 (Method 48- 48.6.4);
PACCAR CMT0033 (9.11);
SAE J2020

Xenon Arc Weathering

ASTM D7869;
ASTM G155;
Ford BO116-01;
ISO 4892-2;
ISO 16474-2;
Navistar MPAPS GT-31 (Methods A&B);
Nissan NES M0007 (Method 48- 48.6.3);
SAE J2412;
SAE J2527

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories.

NOTE: 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.

² Also using client/custom test methods directly related to the test methods and parameters listed above.

