SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PRIDGEON & CLAY ADVANCED ENGINEERING LAB
50 Cottage Grove SW
Grand Rapids, MI 49507
Brandon Luxford Phone: 616-252-2384

MECHANICAL

Valid To: July 31, 2026 Certificate Number: 1516.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive metal stampings, automotive exhaust system components, metal stampings, and automotive structural components, using Chrysler, Ford, GM, Toyota, and tier one accounts specifications and standards:

Test	**Test Method(s)**
Adhesion	ASTM B571 (para 8), D3359; FLTM BI 106-01; GMW14829
Air Flow Leak Rate (Up to 100 SLPM @ 80 psi)	 WI-034
Bend Test	ASTM A370 (Section 15), B571 (Para 3)
Chemical Optical Emission Spectroscopy (CS, SS) (Al, B, C, Co, Cr, Cu, Mn, Mo, N, Nb, Ni, P, Pb, S, Si, Ti, Va, W)	 ASTM E415, E1086
Coating Weight	ASTM A90/A90M, A428/A428M, A924/A924M
Corrosion Creepback	ASTM B117, D610, D1654; GM9102P (Inactive 2010); GMW15282
Environmental Humidity Salt Spray	 ASTM D1735, D2247 ASTM B117; FLTM BI 103-01; ISO 9227(NSS); JIS Z2371
High Heat Exposure (Up to 700° F)	WI-038
Metallographic Evaluation Case Depth Depth of Decarburization Grain Size (Comparison Only) Inclusion Content	 ASTM E3, E407; SAE J423 ASTM E3, E407, E1077 ASTM E3, E112, E407 ASTM E3, E45, E340, E407; SAE J422

Test	Test Method(s)
Metallographic Evaluation (continued) Metallographic Photomicrography Macrotech Microetch Plating Thickness	 ASTM E3, E407, E883 ASTM E340 ASTM E3, E407 ASTM B487, E3, E407
Pushout	WI-005, -009
Rockwell Hardness (B, C, T)	ASTM E18, E140
Tensile, Yield, Elongation, n Value, r Value	ASTM A370 (Sections 7-14), E8/E8M, E517, E646
Torque	WI-023, -042, -046
Vibration High Temperature (1900° F (1037° C) Up to 180 CFM) Mechanical Cycling (Load Driven Up to 1000 lbs max; Stroke Driven to ±0.5 in) Servo Hydraulic (Closed or Open Loop, Up to 100 Hz)	 Ford CETP 09.03-E-300 Ford CETP 09.03-E-300 Ford CETP 09.03-E-300
Weld Evaluations	ASTM E340; PS-9184

Accredited Laboratory

A2LA has accredited

PRIDGEON & CLAY ADVANCED ENGINEERING LAB

Grand Rapids, MI

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 August 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1516.01
Valid to July 31, 2026

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