SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

IIA LAB SERVICES, LLC – ST. LOUIS
2810 Clark Avenue
St. Louis, MO 63103
Amy Reynolds Phone: 314 531 8080

MECHANICAL

Valid To: July 31, 2027 Certificate Number: 397.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metallic and non-metallic materials:

Test Technologies	**Test Method(s)**
Tension (Up to 120 000lbf) (Ambient/Room Temperature) (Up to 120 000 lbf) (Elevated Temperature to 1000 °C)	ASTM A370, ASTM B557, ASTM D412, ASTM D638, ASTM E8/E8M, ASTM E21, ASTM F606/F606M; ASME SA370 ASTM E21
Impact Charpy Gardner Izod	 ASTM E23, ASTM A370; API 5L 1104; ASME (Section IX QW-140); AWS B2.1/B2.1M (Section 4.7.7), AWS D1.1/D1.1M (Section 6, Part D), AWS D1.5/D1.5M (Section 7.18.5); EN 10045-1 ASTM D2794 ASTM D256
Tear Strength	ASTM D624 (Sections 4.2.2, 4.2.3 and 4.2.4)
Flexural Properties	ASTM D790
Testing for Rating Seismic and Wind Restraints	ANSI/ASHRAE Standard 171
Metallographic Evaluation Inclusion Content Graphite in Cast Iron Decarburization Grain Size Case Depth Plating Thickness	 ASTM E45 (Method A) ASTM A247 ASTM E1077 (Sections 7.2, 7.3 and 7.4); SAE J419 (Sections 4.1 and 4.2) ASTM E112 (Section 10) SAE J423 (Sections 5.2 and 6.3) ASTM B487

Test Technologies	**Test Method(s)**
Determining inclusion or second-phase constituent content of metals by atomic image analysis	ASTM E1245
Determining volume fraction by systematic manual point	ASTM E562
Preparation of Metallographic Specimens	ASTM E3
Microetch	ASTM E407
Corrosion Testing	ASTM A262 (Practices A and E), ASTM G28, ASTM G31, ASTM G34, ASTM G36, ASTM G48 (Method A)
Coating Weight	ASTM A90/A90M, ASTM A428/A428M
Salt Water Spray	ASTM B117, ASTM D1654
Humidity Testing	ASTM D2247
Coefficient of Friction	ASTM D1894 (Type C)
Compression Testing	ASTM E9, ASTM D695
Shear Testing	ASTM D1002
Hardenability	ASTM A255
Macroetch	ASTM E340; API 5L 1104; ASME (Section IX QW-140); AWS B2.1/B2.1M (Annex G), AWS D1.1/D1.1M (Sections 4.9.4 & 4.22.2), AWS D1.2 (Annex H), AWS D1.5/D1.5M (Section 5.18.2)
Hardness Brinell (500 to 3000) kgf Rockwell (HRA, HRBW, HRC, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T) Durometer (Shore A and D) Pencil Microhardness Vickers (100 gf, 500gf) Macrohardness Vickers (10 kgf) Leeb Rebound Method	 ASTM A833, ASTM E10 ASTM E18 ASTM D2240 ASTM D3363 ASTM E384/E92 ASTM E92 ASTM A956

Test Technologies	**Test Method(s)**
Bend	API 5L (Section 10.2.4), API 5L 1104 (Sections 5 & 6); ASME (Section IX QW-140); AWS B2.1/2.1M (Annex A), AWS D1.1/D1.1M (Section 4.9.3.1), AWS D1.2/D1.2M (Section 3.8), AWS D1.5/D1.5M (Section 5.18.3)
Taber Abrasion	ASTM D4060
Weld Operator & Procedure Qualification	API 5L 1104 (Sections 5 & 6); ASME (Section IX Articles II & III); AWS B2.1/2.1M, AWS D1.1/1.1M (Section 4 Parts B & C), AWS D1.2/D1.2M (Section 2 Parts C & D), AWS D1.3/D1.3M (Section 4 Parts B & C), AWS D1.5/D1.5M (Section 5 Parts A & B), AWS D1.6/D1.6M (Section 4 Parts A & B), AWS D1.8/D1.8M, D17.1/D17.1M (Section 5)
Failure Analysis	Using the methods listed above (and on Scope of Accreditation 0397.01) in accordance with the ASM Handbook Volume 11

Accredited Laboratory

A2LA has accredited

IIA LAB SERVICES, LLC – ST. LOUIS

St. Louis, MO

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 20th day of October 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 397.02
Valid to July 31, 2027

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