SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

INDUSTRIAL TESTING LABORATORY SERVICES, LLC
635 Alpha Drive – RIDC Park
Pittsburgh, PA 15238
Steve Lysiak Phone: 412 963 1900

MECHANICAL

Valid To: June 30, 2018 Certificate Number: 1938.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following metals and fastener tests:

Test	Test Method
Ductility (Bend)	ASME Section IX; ASTM E190, E290; AWS D1.1, D1.6
Fastener Testing	
Tensile (Wedge/Axial)	ASTM F606, F606M; NASM 1312-8
Proof (Internal & External Threads)	ASTM F606, F606M; NASM 1312-8
Hardness	
Brinell (500, 3000) kg	ASTM E10; NASM 1312-6
Rockwell (B, C, 15T, 15N, 30N)	ASTM E18; NASM 1312-6
Hydrogen Embrittlement	ASTM F519
Impact (Charpy) (-320 to +212) °F	ASTM E23
Microhardness	
Knoop (100) gf	ASTM E384; NASM 1312-6
Vickers (200, 500, 1000) gf	ASTM E384; NASM 1312-6
Stress Rupture	ASTM E292

Test	Test Method
Metallographic Evaluation	
Preparation	ASTM E3
Grain Size	ASTM E112
Macroetch	ASTM E340
Depth of Decarburization	ASTM E1077; SAE J121
Banding /Orientation of Microstructures	ASTM E1268; ASM Handbook, Vol. 9
Inclusion Content	ASTM E45, Method A
Microetch	ASTM E407
Intergranular Corrosion	ASTM A262, Practice A, C, E
Tensile 600,000 lbs Capacity, Tension (Ambient to 1000°F) 600,000 lbs Capacity, Compression	ASTM A370, E8, E21; NASM 1312-18
Weld Operator/Procedure Qualification	Using the methods listed above in accordance with: ASME Sect. IX; AWS D1.1, D1.2, D1.3, D1.5, D1.6, D12.1, D14.4, D15.1; NAVSEA 250-1500-1; S9074-AQ-GIB-010/248, S9074-AR-GIB-010/278
SEM/EDS	ASM Handbook, Vol. 9; ASTM E1508
Failure Analysis	ASM Handbook, Vol. 11

Accredited Laboratory

A2LA has accredited

INDUSTRIAL TESTING LABORATORY SERVICES, LLC

Pittsburgh, PA

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 30th day of June 2016.

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 1938.01
Valid to June 30, 2018

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