SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ARCONIC POWER AND PROPULSION RESEARCH CENTER
1500 S. Warner St.
Whitehall, MI 49461-1895
Michelle McDonald Phone: 231 894 7586

MECHANICAL

Valid To: March 31, 2019 Certificate Number: 2208.01

In recognition of the successful completion of the A2LA evaluation process, (including compliance to R223 – Specific Requirements – GE Aviation S-400 Accreditation Program), accreditation is granted to this laboratory to perform the following tests on aircraft components, automotive components, ceramics, coatings, glass and glass products, metals and alloys, and plastics and polymers:

Test	Test Method(s)
Hardness:	
Rockwell (HRBW, HRC, HREW, HR15N, HR 30N)	ASTM E18
Microindentation (Knoop, Vickers) (100g, 300g, 500g)	ASTM E384
Tensile (Up to 60 000 lb, 70 ºF to 1800 °F)	ASTM E8/E8M, E21
Stress Rupture/Creep Rupture (Up to 2000 °F)	ASTM E139
Metallographic Evaluation:	
Preparation	ASTM E3, E1920
Grain Size (Comparison Method Only)	ASTM E112, E930
Microetching	ASTM E407
Alpha Case, IGA/IGO/ Casting Mold Reaction, Alloy Depletion	MCL III-251
SEM with Energy Dispersive Spectroscopy	MCL III-510, ASTM E1508
Failure Analysis	Using the methods listed above and on Scope of Accreditation 2208.02 in accordance with ASM Handbook Volume 11

Accredited Laboratory

A2LA has accredited

ARCONIC POWER AND PROPULSION RESEARCH CENTER

Whitehall, MI

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 19th day of June, 2017.

President and CEO
For the Accreditation Council
Certificate Number 2208.01
Valid to March 31, 2019

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