



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY – JUPITER

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MECHANICAL

Valid To: February 28, 2021

Certificate Number: 1720.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, as well as the two satellite laboratory locations listed below, to perform the following tests on the following types of products and materials: Aerospace components, Military equipment, Nuclear equipment, Commercial and Automotive components.

For the following types of industries: Aerospace, Defense, Nuclear, Telecommunications, Electrical, Electronics, Automotive, Information Processing and Scientific Instruments.

**Test Description:**

**Test Method(s):**

Leakage (Immersion)

MIL-STD-810C/D/E/F/G, Method 512

Explosive Atmosphere

MIL-STD-810cC/D/E/F/G, Method 511;  
RTCA/DO-160, Section 9

Fire Resistance/Fire Proofness

SAE AS 4273;  
ISO 2685;  
SAE AS 1055;  
SAE AIR 1377A;  
DOT/FAA AC 20-135;  
RTCA/DO-160, Section 26;  
Rolls-Royce Spec. MTR00072;  
Rolls-Royce Spec. FVR08366;  
Rolls-Royce Spec. JES 314-1

Continuous Flow/Endurance/Performance<sup>1</sup>

*Liquid: (1 to 20,000) GPM,  
(1 to 12,000) psi, 200 °F*

Triumph Thermal Systems ETS 2507;  
Honeywell 41-22911,  
Honeywell 12-77690;  
UTAS HSER32341;  
Rolls-Royce DNS190243

*Gas: (1 to 1,000) PPM,  
(18 to 500) psi, (-320 to 2,000) °F,  
Thermal Cycling: (0-1.4 million BTUs/m)*

ER8559 PW800 Fuel System Transient Ice Test  
Plan  
GENx MFO QTS

**Test Description:**

**Test Method(s):**

Hydrostatic Pressure/Burst/Pressure<sup>1</sup>  
(70,000 psi max)

Breeze Eastern ECO 28183;  
Amerex DTP ES-2010-1052;  
MIL-DTL-7905H;  
Goodrich ED/3424/55QS;  
Goodrich ED/3564/09QS;  
Honeywell SOW\_WPI\_PCE

Pneumatic Static Pressure/Burst/Pressure/ Pressure  
Decay<sup>1</sup>  
(30,000 psi max)

Hamilton Sundstrand HSER 30110;  
UTAS ED/3578/07/DF;  
UTAS ED/3579/07/DP;  
Honeywell 08-75701;  
Honeywell 12-77690

Fuel Icing

SAE ARP 1401

Impulse

SAE ARP 603;  
SAE ARP 1383

<sup>1</sup> Using customer-specified test methods utilizing any combinations of test equipment parameters listed above.





## Accredited Laboratory

A2LA has accredited

### ELEMENT MATERIALS TECHNOLOGY - JUPITER

*Jupiter, FL*

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 25<sup>th</sup> day of February 2019.

A handwritten signature in blue ink, appearing to be "A. M. ...", written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1720.02  
Valid to February 28, 2021

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