



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL TECHNICAL SYSTEMS (NTS)
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San Bernardino, CA 924082
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MECHANICAL

Valid To: June 30, 2019

Certificate Number: 0214.45

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive, telecommunications, and aerospace components:

Test Technology:

Test Method(s)^{1,2:}

Environmental Exposure

High Temperature
11 lbs/second GN2 – to 550 °F
up to 500 psi;
3.2 lbs/seconds GOx – to 700 °F
up to 5000 psi;
9 lbs/second CO2 – to 1300 °F up
to 4600 psi;
0.5 lbs/second CH4 – to 315 °F
up to 4400 psi

NTS Test Procedure Number TP053205-1 for Nitrogen;
NTS Test Procedure Number T29440-03 for Oxygen

Low Temperature
To -452 °F
Using He, H₂, N₂

NTS Test Procedure Number TP PR047590-01

Thermal Shock Testing
(-180 to 560) °F – GN2

NTS Test Procedure Number TP053205-1

Pressure (Burst) Testing
2500 psi (1400 °F) – GN2

NTS Test Procedure Number T079723-4

Noise and Vibration Testing
(10 Hz to 20 kHz)

MIL STD-1474 (Appendix E);
MIL-STD-740-1 (SH);
MIL-STD-740-2 (SH)

Fluid Flow

Gas and Fluid Flow
(GN2)
To 800 SCFM

NTS Test Procedure Number TP PR029362-03

Test Technology:

Fluid Flow (*Cont'd*)

Pressure Drop
(GHe)

Leakage
(GHe to 10 SLPM)

Test Method(s)^{1,2}:

NTS Test Procedure Number 6208-1 REV B

T201-10704-1 REV A

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is expected to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*. If a specifier/regulator imposes a different transition period, this will supersede the A2LA one-year implementation period.

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Accredited Laboratory

A2LA has accredited

NATIONAL TECHNICAL SYSTEMS (NTS) - SAN BERNARDINO

San Bernardino, CA

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 15th day of June 2017.

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President and CEO
For the Accreditation Council
Certificate Number 0214.45
Valid to June 30, 2019

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