

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**Smiths Tubular Systems dba Titeflex Aerospace**

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**TESTING**

Valid to: December 11, 2017

Certificate Number: AT-1185

**I. Mechanical Testing of Hose Assemblies**

<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*KEY EQUIPMENT OR TECHNOLOGY</b>
Electrical Conductivity	SAE AS2078 Customer Equivalents	Biddle Voltage supply
Stress Degradation	SAE AS2078, SAE AS1946, MIL-H-27267, Customer Equivalents	Pressure Transducer, Temperature Indicator, Timer
Pneumatic Effusion	SAE AS2078, MIL-H-27267, MIL-H-25579 Customer Equivalents	Pressure Transducer, Burette, Timer
Elongation and Contraction	SAE AS2078 Customer Equivalents	Pressure Transducer, Vernier Caliper, Timer
Volumetric Expansion	SAE AS2078 Customer Equivalents	Pressure Transducer, Burette, Timer
Leakage Test	SAE AS2078 Customer Equivalents	Pressure Transducer, Timer
Proof Pressure Test	SAE AS2078, SAE AS620, SAE AS1424 Customer Equivalents	Pressure Transducer, Timer
Room Temperature Burst Pressure Test	SAE AS2078, SAE AS1424 Customer Equivalents	Pressure Transducer, Timer
High Temperature Burst Pressure Test	SAE AS2078, SAE AS51424 Customer Equivalents	Pressure Transducer, Timer, Temperature Indicator

<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*KEY EQUIPMENT OR TECHNOLOGY</b>
Impulse Test	SAE AS2078, SAE AS603B, SAE AS1975, SAE AS5951 Customer Equivalents	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer
Flexibility Test	SAE AS2078, SAE AS1227 Customer Equivalents	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer, Vernier Caliper
Fuel Resistance Test	SAE AS2078, SAE AS620 Customer Equivalents	Temperature Indicator, Pressure Transducer, Timer
Low Temperature Flexibility Test	SAE AS2078, SAE AS620, SAE AS1227 Customer Equivalents	Temperature Indicator, Timer
Pneumatic Leakage Test	SAE AS2078 Customer Equivalents	Pressure Transducer, Timer
Vacuum Test	SAE AS2078, SAE AS620, SAE AS1227 Customer Equivalents	Pressure Transducer, Timer, Temperature Indicator
Thermal Shock Test	SAE AS2078, SAE AS1975, Customer Equivalents	Temperature Indicator, Pressure Transducer, Timer
Fire Test	SAE AS 1055, SAE AS2078 Customer Equivalents	Pressure Transducer, Temperature Indicator, Flow Meter
Repeated Assembly Torque	ARP908, SAE AS85421 Customer Equivalents	Torque Wrench, Pressure Transducer, Timer
Tensile Strength Test	MIL-H-26633, Customer Equivalents	Tinius Olsen Tensile Tester, Timer
Push / Pull Test	SAE AS1975, SAE AS5951 Customer Equivalents	Pressure Transducer, Timer, Vernier Caliper
Over tightening Torque Test	MIL-H-26633, MIL-DTL-25579, Customer Equivalents	Torque Wrench, Pressure Transducer, Timer
Corrosion Test	MIL-DTL-25579, SAE AS1946, SAE AS1424, MIL-H-27267, Customer Equivalents	Pressure Transducer, Timer
Oil Resistance Test	SAE AS620, SAE AS1227, Customer Equivalents	Temperature Indicator, Timer, Pressure Transducer

SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Flexure Pressure Cycling Endurance Test	SAE AS1424, Customer Equivalents	Pressure Transducer, Timer, Temperature Indicator, Vernier Caliper
Pressure Surge Test	SAE AS620, SAE AS1227, Customer Equivalents	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer
Fitting Continuity	SAE AS5951, Customer Equivalents	Multimeter
Pneumatic Surge Test	SAE AS2078, Customer Equivalents	Pressure Transducer, Timer

*Notes:*

1. *The accreditation applies to tests and test methods as listed on the scope of accreditation supplemented by specific test conditions identified within the Industry Standards for Hose Assembly.*
2. *This organization maintains a corporate address at 93 Lexington Drive, Laconia, NH 03246. No tests are performed at this location.*
3. *\* = As Applicable*
4. *This scope is part of and must be included with the Certificate of Accreditation No. AT-1185*

  
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 Vice President

