



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Smiths Tubular Systems – Laconia, Inc.

144 Lexington Dr., Laconia, NH 03246
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TESTING

Valid to: December 11, 2011

Certificate Number: AT-1185

I. Mechanical Testing of Hose Assemblies

Table with 3 columns: SPECIFIC TESTS OR PROPERTIES MEASURED, SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED, *DETECTION LIMIT / RANGE/ EQUIPMENT. Rows include Electrical Conductivity, Stress Degradation, Pneumatic Effusion, Elongation and Contraction, Volumetric Expansion, Leakage Test, Proof Pressure Test, Room Temperature Burst Pressure Test, High Temperature Burst Pressure Test, and Impulse Test.



SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*DETECTION LIMIT / RANGE/ EQUIPMENT
Flexibility Test	SAE AS2078, Mil-H-26633, Mil-DTL-25579, SAE AS620, SAE AS1227	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer, Vernier Caliper
Fuel Resistance Test	SAE AS2078, SAE AS620, SAE AS1227, Mil-H-27267	Temperature Indicator, Pressure Transducer Timer
Low Temperature Flexibility Test	SAE AS2078, Mil-H-27267	Temperature Indicator, Timer
Pneumatic Leakage Test	SAE AS2078, Mil-H-27267	Pressure Transducer, Burette, Timer
Vacuum Test	SAE AS2078, SAE AS620, SAE AS1227, Mil-H-27267	Pressure Transducer, Timer, Temperature Indicator
Pneumatic Surge Test	SAE AS2078, Mil-H-27267	Pressure Transducer, Timer
Thermal Shock Test	SAE AS2078, SAE AS1975	Temperature Indicator, Pressure Transducer Timer
Fire Test	SAE AS 1055	Pressure Transducer, Temperature Indicator, Flow Meter
Installation Torque Test	SAE AS2078	Torque Wrench
Repeated Torque Test	SAE AS2078	Torque Wrench, Pressure Transducer, Timer
Repeated Assembly Torque	SAE AS2078	Torque Wrench, Pressure Transducer, Timer
Tensile Strength Test	Mil-H-26633, MIL-PRF-26626	Tinius Olsen Tensile Tester, Timer
Push / Pull Test	SAE AS1975	Pressure Transducer, Timer, Vernier Caliper

SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*DETECTION LIMIT / RANGE/ EQUIPMENT
Over tightening Torque Test	Mil-H-26633, Mil-DTL-25579	Torque Wrench, Pressure Transducer, Timer
Pneumatic Leakage Test	SAE AS2078, Mil-DTL-25579	Torque Wrench, Pressure Transducer, Timer
Cubical Expansion Test	Mil-DTL-25579, Mil-H-27267	Pressure Transducer, Burette, Timer
Corrosion Test	Mil-DTL-25579, SAE AS1946, SAE AS1424, Mil-H-27267	Pressure Transducer, Timer
Braid Flare Test	SAE AS1946, Mil-H-27267	Mechanical Gage
High Temperature Test	MIL-PRF-26626	Pressure Transducer, Timer, Temperature Indicator
Low Temperature Test	MIL-PRF-26626	Temperature Indicator, Timer, Pressure Transducer
Low Temperature Bending Test	MIL-PRF-26626	Temperature Indicator, Timer
Odor, Ozone Resistance Test	MIL-PRF-26626	N/A
Oil Resistance Test	SAE AS620, SAE AS1227	Temperature Indicator, Timer, Pressure Transducer
Flexure Pressure Cycling Endurance Test	SAE AS1424	Pressure Transducer, Timer, Temperature Indicator, Vernier Caliper, DAS 1
Pressure Surge Test	SAE AS620, SAE AS1227	Temperature Indicator, Pressure Transducer, Oscilloscope, 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 was formerly known as Titeflex. The tests indicated in this scope of accreditation apply to the location indicated above only.*
3. *This organization maintains a corporate address at 93 Lexington Drive, Laconia, NH 03246. No tests are performed at this location.*
4. ** = As Applicable*
5. *This scope is part of and must be included with the Certificate of Accreditation No. AT-1185*



Vice President

