



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Titan Enterprises OPCO, Inc.
dba TRP Laboratories
816 Whitney Drive
Lapeer, MI 48446

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 29 April 2027

Certificate Number: AT-1389



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Titan Enterprises OPCO, Inc. dba TRP Laboratories

816 Whitney Drive
Lapeer, MI 48446
Jason Rae Phone: 810-245-1600

TESTING

Valid to: **April 29, 2027**

Certificate Number: **AT-1389**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Carbon Canister Aging, Conditioning, Life Cycle and Working Capacity Gasoline & Butane Working Capacity	Customer Supplied	Customer Supplied Test Artifacts	Mass flow controllers Balances
MicroSHED, MiniSHED Permeation On-board Vapor Multiple Temperature Ranges	Customer Supplied TP-901 and TP-902	Customer Supplied Test Artifacts	Flame Ionization Detector Temperature
Weight Loss Permeation Fuel Tank Weight	Customer Supplied 40 CFR 1060	Customer Supplied Test Artifacts	Balance / Temperature
Fuel System Components Durability	Customer Supplied	Customer Supplied Test Artifacts	Pressure Transducer / Temperature
Fuel System Component Performance Voltage, Start / Operating Current, Pressure, Flow	Customer Supplied	Customer Supplied Test Artifacts	Pressure gage / DMM / Flow meter
Fill Testing, Fuel Tank Capacity, Total, Usable, Capacity (R-Table) (G-Table) Grade Loss	Customer Supplied	Customer Supplied Test Artifacts	Flow meter / Pressure gage / DMM / Flow meter / Thermocouple
Level Sender Resistance / Volume vs. Height vs. Resistance	Customer Supplied GMW 14508	Customer Supplied Test Artifacts	Flow meter / Displacement meter / Multimeter
Drop Test Up to 10 m drop	Customer Supplied	Customer Supplied Test Artifacts	Flow Meter / Scale

Mechanical

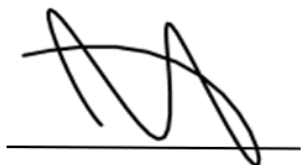
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Impact / Cold Impact	Customer Supplied ECE R34	Customer Supplied Test Artifacts	Impact Apparatus Thermocouple
Internal Cleanliness	Customer Supplied	Customer Supplied Test Artifacts	Balance
Internal Stress Crack Resistance	Customer Supplied	Customer Supplied Test Artifacts	Thermocouple / Pressure Transducer / Flow Meter
Inversion (0° to 360°) CW (0° to 360°) CCW	Customer Supplied GMW 14800	Customer Supplied Test Artifacts	Protractor / Flow Meter
Leak (Helium Sniff) 1X10 ⁻⁷ Sensitivity	Customer Supplied	Customer Supplied Test Artifacts	Mass Spectrometer
Push / Peel / Pull	Customer Supplied	Customer Supplied Test Artifacts	Electromechanical Test System
Torque Up to 600 ft-lb	Customer Supplied	Customer Supplied Test Artifacts	Wrench
Slosh (Lateral & Tilt) Tilt (+/- 15°) / Lateral	Customer Supplied EPA 40CFR 106520	Customer Supplied Test Artifacts	Protractor / Flow Meter
Flammability / Burn Rate Temperature / Burn Rate	Customer Supplied ASTM F852	Customer Supplied Test Artifacts	Thermocouple / Caliper / Stopwatch
Burst / Pressure Resistance	Customer Supplied	Customer Supplied Test Artifacts	Pressure Transducer
Fuel Tank Pressure Deflection Thermal Stability Pressure at Temperature Mechanical Strength Pressure Retention	Customer Supplied	Customer Supplied Test Artifacts	Thermocouple Pressure Transducer Displacement
Pressure/Vacuum (PV) (Pressure Fatigue)	Customer Supplied CARB-TP-99	Customer Supplied Test Artifacts	Thermocouple Pressure Transducer
Soak Testing (Component) Fuel Resistance Resistance to High Temperature	Customer Supplied CARB-TP-511	Customer Supplied Test Artifacts	Thermocouple
Cold Soak	Customer Supplied GMW 14800	Customer Supplied Test Artifacts	Thermocouple
Thermal Cycling Thermal Expansion	Customer Supplied GMW 15017	Customer Supplied Test Artifacts	Thermocouple Environmental Chamber Displacement

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Vibration (Component) (10 to 2 000) Hz, 6 000 lb-force	Customer Supplied ASTM D999	Customer Supplied Test Artifacts	Vibration Equipment Accelerometer
Explosion Resistance	Customer Supplied	Customer Supplied Test Artifacts	Pressure / Temperature / Flow Rate
Ultra Violet Light exposure	Customer Supplied 40 CFR 59.653	Customer Supplied Test Artifacts	Solar Light UV Detector Photometer

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1389.



Jason Stine, Vice President

