



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

U.S. ARMY – DEVCOM – GROUND VEHICLE SYSTEMS CENTER
GROUND VEHICLE POWER & MOBILITY

6501 E. 11 Mile Road
Building 212 and 212B
Warren, MI 48397

Michael Trombley Phone: 586-282-8784

MECHANICAL

Valid To: January 31, 2024

Certificate Number: 4367.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on Diesel Engines, Turbine Engines, Customer Specific Engines, and Military and Commercial Vehicles and components, High-Power Traction Motors, Inline Generators, Inverters, DC-DC Converters, Alternators, Hybrid Electric Technology Components, Heat Exchangers, Radiators:

ECL, PEVEL Laboratory, Propulsion Laboratory

Technology:	Range:	Test Methods¹:
Engine / Engine Component, Full Vehicle / Vehicle Component Dynamometer Testing	Torque (1 to 7 400) lb-ft	LQP-13-WI01, LQP-13-WI02, LQP-13-WI03, LQP-13-WI04, LQP-13-WI08, LQP-13-WI09, LQP-13-WI12, LQP-20-WI17, LQP-20-WI18, LQP-20-WI19, LQP-20-WI23, Customer Specific, Military and Commercial Vehicle
	Engine/Transmission Component (1 to 14 300) lb-ft Each Wheel (1 to 60 000) lb-ft Each Track (1 to 70 000) lb-ft Axle	
	Rotational Speed (0 to 200 000) RPM	
	Power Up to 1 600 HP	
	Pressure (-5 to 6 000) Psig	
	Liquid Flow (1 to 250) GPM	
	Liquid Flow – Mass (1 to 1 000) lbs/hr	
	Air Flow (125 to 10 100) ACFM	
	Temperature (-90 to 2 000) °F	
	Humidity (10 to 90) %RH	
	Temperature (Environmental) (-90 to 175) °C	
	Solar Load To 1 200 W/m2	

Calorimeter Laboratory

<u>Technology:</u>	<u>Range:</u>	<u>Test Methods¹:</u>
Heat Exchanger, Radiator Calorimeter Testing	Liquid Flow (0 to 300) GPM	LQP-20-WI34, LQP-20-WI36, LQP-20-WI37, LQP-20-WI38, SAE J1994 Method 5.1, Customer Specific, Military
	Temperature (60 to 200) °C	
	Pressure (0 to 200) Psig (0 to 20) Psia	
	Volumetric Flow 50 000 SCFM	
	Mass Flow 3.75 lb/min	
	Humidity (10 to 80) %RH	

¹ This laboratory is also accredited to perform testing using customer specific requirements/methods that are within the ranges listed above.



Accredited Laboratory

A2LA has accredited

U.S. ARMY – DEVCOM – GROUND VEHICLE SYSTEMS CENTER GROUND VEHICLE POWER & MOBILITY

Warren, MI

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 28th day of December 2021.

A blue ink signature of the Vice President, Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4367.02
Valid to January 31, 2024

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