

The Intertek logo consists of the word "Intertek" in a white, sans-serif font, centered within a dark blue rounded rectangular background.

Valued Quality. Delivered.

Hybrid Powertrain

Testing Services

Automotive Research's Hybrid Powertrain Testing Laboratory is co-located with the engine emissions and development facility, which spans over 18 acres. Here, we provide a vast array of services for the automotive and heavy duty OEM's, Tier 1 suppliers as well as the fuels and lubricants industry, resulting in thousands of hours of dynamometer testing annually. Since 1953, we have worked with several powertrain manufacturers and their suppliers to enhance their innovations and competitiveness in the marketplace.





At Automotive Research, we have the facilities and experience to take care of your Hybrid powertrain testing needs. We take great pride in the quality of the service we provide and the data we produce, and are ISO 17025 accredited.

Typical Equipment Available for Hybrid Development Programs:

- A/C Dynamometer –
 - 5,000 Lbs. Ft. from 0 to 500 rpm
 - 480 Hp @ 3500 rpm
- High-Voltage Battery Simulation up to 600 Amps/ 600 VDC
- Vehicle Inertia Simulation
- Coreolis-style Fuel Flow Measurement
- Standard 10 Hz Data Collection Rate
- Simultaneous logging of ECM channels
- Web-Based Access to Test Cell Computers
- Steady-State Smoke Measurements
- Transient Opacity Measurements
- Steady-State Gaseous Emissions
- Partial-Flow Particulate Measurements

Our Solutions

We are pleased to work with a variety of:

- Passenger car OEM's
- Heavy-Duty Engine OEM's
- Heavy-Duty Vehicle OEM's
- Tier 1, etc. suppliers
- Aftermarket component developers

Broad Service Coverage

In total, the Automotive Research Facility includes:

- Analytical (Chemistry) Lab
- Large Engine Emissions Certification (1065 CVS tunnel)
- Small Engine (<100 Hp) Expertise
- Vast Fuel/Oil Industry Test Experience
- Fuel System VOC Facility
- Engine Endurance Dynos Area
- Gasoline, Diesel and CNG Capable
- Transmission "T-Bar" Stands

The Intertek Advantage

Intertek Automotive Research is one of the largest independent automotive testing organizations in the world providing testing services since 1953 to the automotive and petrochemical industries. Based in San Antonio, Texas, our customer focused staff has a proven record of being very responsive to customer needs and special testing demands. Our customer base is worldwide and consists of the automotive OEM's, the heavy-duty engine OEM's, the OEM suppliers, and the fuel and lubricant companies.

Intertek is a leading provider of quality and safety solutions serving a wide range of industries around the world. From auditing and inspection, to testing, quality assurance and certification, Intertek people are dedicated to adding value to customers' products and processes, supporting their success in the global marketplace. Intertek has the expertise, resources and global reach to support its customers through its network of more than 1,000 laboratories and offices and 30,000 people in over 100 countries around the world.

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