





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.

Technical Expertise.

Intertek Automotive Research has a service oriented staff of managers, engineers, chemists, mechanics and technicians. We have a "can do" attitude that will assure that you meet your business goals. Testing is conducted 365 days per year, 24 hours a day. Our experienced staff takes pride in producing quality/timely customer test results that meets the needs of our customers.

Quality Systems.

An extensive quality system is in place to ensure high reliability of test data that is in strict compliance with test methods. Intertek Automotive Research is ISO/IEC 17025 accredited.

Warranty.

Intertek-AR stands behind its work. We extend a warranty on the testing services that we perform. If our engineering staff deems the test operationally invalid, we will re-perform the test at no charge.

Intertek Automotive Research's facilities span over 18 acres housing a multitude of different laboratories to meet the testing needs of our customers.



Valued Quality. Delivered.



Our Solutions

Engine Performance Development and Emissions Testing

Engine test stands with horsepower ranges up to 1200 hp are utilized. Configurations include gasoline, diesel, and Natural Gas and CNG test cells.Typical testing programs include:

- EPA Part 1065 compliant CVS Tunnel for emissions certification/OBD verification
- Transient programs (FTP, NRTC, Ramped Modal, etc.)
- Steady state programs (ISO 8178 X mode)
- Certification and production audit programs
- Marine engine testing
- Deterioration factor studies
- Combustion analysis
- Complete engine performance and durability programs
- Component development and validation, including 24/7/365 durability testing
- Engine auto-mapping including two-way communication with engine control modules
- Fuel and lubricant evaluations

Vehicle Based Engine Component and Durability Testing

Proven and customized driving routes available. Testing locations throughout the United States are available for hot weather, cold weather, humidity, altitude, or corrosive environment test needs.

Evaporative Emission (SHED) Testing

Sealed Housing for Evaporative Determination (SHED) Testing is used extensively to evaluate the evaporative emission tendencies of vehicle components in a variety of SHED sizes.

The Intertek Advantage

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

Vehicle Fuel System Testing -

An extensive array of fuel system testing protocol is available to evaluate a wide variety of fuel components including valves, hoses, connectors, fittings, sending units, caps, plugs, tanks, and filler necks. Unique testing services include:

- Live fuel
- Evaporative emission, Sealed Housing for Evaporative Determination (SHED).
- Slosh
- Pressure/vacuum
- Fuel fill
- Component soak

Fuel and Lubricant Qualification

Industry standard and customer specific testing protocol are utilized to qualify fuels and lubricants including engine lubricant, engine fuel, and automatic transmission fluids.

Field Evaluation Services

Services include program management of vehicle fleets with testing emphasis on test design, vehicle fluids analysis, engine blueprinting, data management, and test reporting.

Materials Testing

A variety of mechanical properties are evaluated including tensile properties, flexural properties, impact strength, hardness, peel tests, hose pulloff tests and dimension & weight change.

Analytical (Chemistry) Analysis -

Over twenty thousand analytical tests are conducted each month using over 250 ASTM test

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.

For more information please visit: www.intertek.com/automotive/ar-carnot, contact us at: autoresearch@intertek.com, or call: +1 888 400 0084.

Intertek Automotive Research

5404 Bandera Rd. San Antonio, TX 78238-1993 USA

T: +1 (210) 684-2310 F: +1 (210) 684-6074