

Intertek

Valued Quality. Delivered.

Fuel System Testing

Intertek Automotive Research is one of the largest independent automotive testing companies in the world and is considered a leader in fuel system testing. Since 1978, Intertek Automotive Research has worked extensively with the industry in developing fuel system testing protocols. Our laboratory was a pioneer in the Evaporative Emissions (Mini-SHED & Micro-SHED) Testing Field. Today, the testing protocols are used to evaluate a wide variety of fuel components including valves, hoses, tubing, connectors, fittings, sending units, caps, plugs, tanks, and filler necks.





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 and has received Ford Q1 status.

Fuel Services

Intertek Automotive Research has an extensive array of fuel system capabilities:

- Evaporative Emissions Testing (Permeation Testing by Mini-SHED and Micro-SHED)
- OEM Fuel Tank & Fill Pipe DVP&R Program Testing
- Extreme Temperature Environmental Chambers
- Pressure and Vacuum (P/V) Testing
- Fuel Recirculation Conditioning
- Fuel Fill Testing
- SAE J1737 Permeation Testing
- Various Permeation Weight Loss Procedures for Small Tank & Fuel Containers
- Salt Spray Testing
- Fuel Compatibility Studies for Fuel System Materials
- Mechanical Property Testing (Tensile Properties, Impact Strength, Flexural Properties, Dimensional Change)
- Helium Tracer Gas Leak Detection Testing
- On-Board Refueling Vapor Recovery (ORVR) Testing
- Over-the-Road Fuel System Durability
- Fuel Tank Deflection Testing
- Extensive Elevated Temperature Soak Room Facilities
- Hydrocarbon Speciation Including Gas & Liquid
- Chromatography Testing
- European Witness Tests

Service Benefits

- Proven fuel system testing operations and procedures
- Recognized as a leader in fuel system testing
- Consistent and repeatable test results
- Leadership and involvement in industry testing activities
- Competitive pricing & individual service
- Full Test Program Management

Intertek-AR is recognized by the EPA and CARB as a qualified testing facility. Our experts are familiar with EPA and CARB test protocols from conducting current test programs to managing past surveillance programs performed for the EPA and OEM customers.

Our Experience

Since the Clean Air Act of 1963, Intertek Automotive Research has been among the pioneers in vehicle fuel and emission testing research. Over the years, we have built a wide and satisfied customer base including the EPA, Honda, Nissan, GM, Ford, Chrysler and Isuzu. Vehicle testing activities include:

- Powertrain and Component Development & Durability
- Competitive Benchmarking Evaluations
- Fuel and Lubricant Evaluations
- Fleet Management Services

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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