

Intertek

Valued Quality. Delivered.

Analytical Laboratory

Specialists in Lubricants and Fuels Analysis

At Intertek Automotive Research's Analytical Testing Laboratory, we have a long history dedicated to providing quality solutions to the automotive, fuels, and lubricants industries.

We specialize in performing industry standard and customized testing services to enhance our clients innovation and competitiveness. Over 20,000 analytical tests are conducted each month utilizing over 250 ASTM and specialty test procedures in a laboratory that spans over 8000 square feet.





An extensive quality system is in place to ensure high reliability of test data that is in strict compliance with test methods.

Quality Systems

Intertek Automotive Research is ISO/IEC 17025 accredited and our analytical bench performance tests are performed per the following industry standards:

- General Motors Company Tests
- DaimlerChrysler Motor Company Tests
- Ford Motor Company Tests
- ASTM Test Methods
- Automotive Research Tests
- Coordinating European Council (CEC) Tests
- Federal Test Methods (FTM)
- International Harvester Tests (IH)
- John Deere Tests (JDQ)
- LRI Gear Oil Tests
- Military Specification Tests
- Railroad Oxidation Tests
- Seal (Elastomer) Compatibility Tests
- Trend Analysis

Our Solutions

API and Other Lubricant Performance Bench Tests

- Heavy Duty Diesel Engine Oil
 - CBT/HTC/TB Testing
 - CI-4 Plus Elastomer Compatibility
 - Shear Stability
 - Foam
- Passenger Car Engine Oil
 - TEOST 33C and TEOST MHT4
 - Ball Rust Test
 - EOFT and EOWTT
 - Noack and SimDis Volatility
 - Gelation Index
 - Foam and HT Foam
 - Homogeneity and Miscibility
- Industrial and Turbine Oil
 - TOST (D943) 72 Position Bath
 - Sludge tendency (D4310) Same Bath
 - RPVOT (D2272)
- Four Stroke Marine (NMMA FC-W)
 - Rust Tendency (Mercury Salt Fog Method)

Material Compatibility (Seals) Testing

- Full Dexron® and Mercon® ATF Qualification
- PG-2, CI-4 Plus, ACEA Qualification
- Experimental and Research Capacity
- Liquid Bath and Solid Block and Oven Aging

Analysis of Lubricants and Raw Materials

- Physical and Chemical Analysis
- Quality Control Testing
- Blend Verification of Product
- Composition of Raw Materials
- Used Oil Analysis
- ASTM and Internal Methods
- Flexible Electronic Reports

Fuels Analysis

- Physical and Chemical Analysis
- Gravity/Density
- Distillation
- Viscosity
- Elemental Analysis

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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