

Testing Tomorrow's Technology Today

OVERVIEW

Intertek Automotive Research's Analytical Testing Laboratory specializes in performing industry standard and customized testing services for the automotive, fuels, and lubricants industries. 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.

QUALITY SYSTEM

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 9001:2000 certified, ISO/IEC 17025:1999 accredited, and has received Ford Q1 status.



TEST METHODS

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



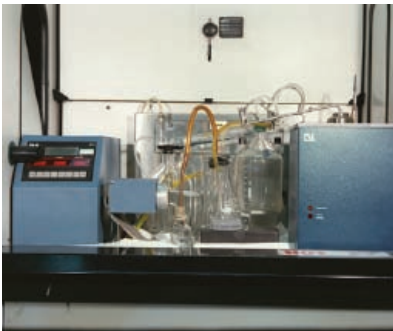
MATERIAL COMPATIBILITY (SEALS) TESTING

- 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

API AND OTHER LUBRICANT PERFORMANCE BENCH TESTS

Heavy Duty Diesel Engine Oil

- CBT/ HTCBT 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)

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

OVERVIEW OF INTERTEK-AR

Intertek is a global leader in testing, inspection and certification of products, commodities and systems. The company has over 14,000 employees with over 400 laboratories in more than 118 countries. Intertek Automotive Research, based in San Antonio, TX, is a part of the Caleb Brett Division of Intertek. Feel free to give us a call if you have any questions, or to inquire about any of our testing services: contact Joe Franklin at 210-523-4671.

For more information, please feel free to visit our website at www.ar.intertek-cb.com, contact us via email at testingservices@intertek.com.

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Automotive Research 5404 Bandera Rd, San Antonio, TX 78238-1993 Ph: (210) 684-2310 Fax: (210) 684-6074