



CLARK
Laboratories, LLC

A Division of Clark Testing Group

Clark Laboratories Fuels & Lubricants Lab



Clark Laboratories Fuels & Lubricants Laboratory tests distillates, including gasoline and diesel fuels, alternate fuels (biodiesel, ethanol), oil, lubricants, and grease products for physical properties and chemical compositions relative to ASTM specification.



Capabilities

Clark Laboratories Fuels & Lubricants Laboratory serves steel producers, raw materials suppliers, engineering and manufacturing companies, coal and coke producers and the refining industry.

- Product Evaluation
- Performance Measurement
- Compatibility Assessment
- Certificate of Analysis
- Quality Assurance
- Technical Support

The lab specializes in wear testing of products based on test rigs such as Four-Ball Wear, Hydraulic Pump Wear, and FZG Gear. Clark Laboratories Fuels & Lubricants Laboratory is fully equipped to to perform tests ranging from routine analyses to formulation assistance and quality control. With 15 years of analytical experience, coupled with a stringent quality assurance program, this lab is dedicated to serving client requests on time.

The specialty services of this lab include diesel and gasoline specifications; alternate fuels (biodiesel, ethanol); aviation turbine fuels; fuel oils; motor oils; mineral, glycol, and synthetic lubricants; hydraulic fluids; crude oils and distillates; and refinery catalysts.

In addition, the laboratory offers technical consulting services pertaining to product testing and is proficient in developing customized tests for quality assurance programs, purchased product specification comparisons and new product compatibility testing.

Clark Laboratories Fuels & Lubricants Lab is capable of, and experienced in, bottling specialty petroleum products and shipping to destinations around the world.

Available Tests

- API Gravity
- Cloud Point
- Demulsibility
- Density
- Dynamic Demulsibility - DDE
- Elastometer Compatibility
- Evaporation Loss
- Fire Point
- Flash Point
- Foam Test
- FTIR
- GC - Several Variations
- Heat of Combustion
- ICP-AAS Elemental Analysis
- Karl Fisher
- Magnetic Quenchometer
- Noack Volatility
- Nitrogen
- Oxidation Stability
- Phosphorus
- Sluding and Corrosion Tendencies
- Sulfur
- Thermal Stability
- Rust Preventing Characteristics
- Viscosity

Wear and Extreme Pressure Properties

- Falex - Falex Pin and V
- Four Ball - Four Ball EP
- Four Ball Wear
- FZG GearTest
- Hydraulic Pump Wear Test
- Timken EP

Fuel Testing

- Cetane Index
- Cold Filter Plug Point
- Distillation
- Low Level Sulfur
- Octane Number
- Particulate Matter
- Vapor Pressure

Grease Testing

- Cone Penetration
- Dropping Point
- Grease Compatibility
- Grease Mobility
- Grease Pumpability Lincoln Vent
- Oil Separation
- Penetration
- Roll Stability
- Water Sprayoff
- Water Washout



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