

Oil & Gas



“Increase
Equipment
Reliability
with ideal
Lubricant Analysis.”



Take a sample of the fluid, with the system operating in normal conditions.



Fill in the Tribolab[®] form corresponding to the Test it belongs to.



Send sample to Tribolab[®] to be analyzed.



Tribolab[®] records and analysis the sample, generating an e-report.



Tribolab[®] sends you an email report with the results. Customer evaluates recommendations.



Response time is 24 to 48 hr. Once the sample is registered in our laboratories.

Oil and gas industry are responsible for the extraction, production, and refining of oil and natural gas. It is the key industry for the energy that it applies in combustion systems for the ground, sea, and air transport industry, as well as the heat transfer to heat homes. This industry has a wide variety of equipment, from process fluid systems, process furnaces, reactors, lubrication systems, turbines, high pressure compressors, ventilation systems and many rotating equipments. It is critical that equipment perform as reliably as possible, as unanticipated downtime on one piece of equipment could lead to a downtime for the rest of the plant.

At **TRIBOLAB[®]** laboratories we know this industry well; the machinery operates at high temperatures, high loads and long service intervals. Contact us, we offer you a wide variety of services that will help you identify the state of your equipment and we will help you protect it.



www.tribo-labs.com

For more information you can contact us via email info@tribo-labs.com

Diesel Engine & Generators

DIESEL FUEL ANALYSIS PACKAGES

TRIBO 5: Basic Diesel Fuel Analysis Test. Sample volume: 1 L

- Elemental Analysis by ICP (ASTM D5185)
- Water and Sediment (ASTM D2709)
- Bacteria, Fungi and Mold (Manufacturer)
- Soot % (ASTM E2412)
- ISO Particle Count (ISO4406.99)
- Pensky-Marten Flash Point (ASTM D3828)

TRIBO 6: Advanced Diesel Fuel Analysis Test.

Sample volume: 1 L

- Elemental Analysis by ICP (ASTM D5185)
- Pour Point (ASTM D7346)
- Water and Sediment (ASTM D2709)
- Bacteria, Fungi and Mold (Manufacturer)
- Thermal Stability (ASTM D6468)
- Viscosity (ASTM D445)
- PPM Sulfur (ASTM D7220)
- FBT (ASTM D2068)
- Flash Point (ASTM D3828)
- Cetane Index (ASTM D976)
- Cloud Point (ASTM D7689)
- Distillation (ASMT D7345)
- ISO Particle Count or Particle Quantifier (ISO4406.99)
- COPPER STRIP CORROSION (ASTM D130)

OIL ANALYSIS PACKAGE

TRIBO 4: Engine Oil Analysis Test. Sample volume: 100 ml

- 24 Metals by ICP (ASTM D5185)
- Viscosity @ 100°C (ASTM D445)
- Fuel Dilution % (ASTM D7593)
- % Soot (ASTM E2412)
- % Water by Crackle (Internal Method Tribolab)
- Base Number (ASTM DA4739)
- Oxidation / Nitration (ASTM E2412)

COOLANT ANALYSIS PACKAGES

TRIBO 8: Coolant Analysis Test. Sample Volume: 100 ml

- Visual (color, oil and/or fuel contamination, foam magnetic/non- magnetic precipitation and odor) (Internal Method Tribolab)
- pH (ASTM D1287)
- Glycol % (ETHYLENE OR PROPYLENE)
- Freeze Point (ASTM D3321)
- Boil Point (Internal Method Tribolab)
- Nitrite (Internal Method Tribolab)
- TDS (sólidos disueltos totales)
- Specific Conductance (Internal Method Tribolab)
- SCA # (Internal Method Tribolab)
- Total Hardness (Internal Method Tribolab)

Turbines

TRIBO 2: Advanced Industrial Oil Analysis Test.

Sample Volume: 100 ml

- 24 Metals by ICP (ASTM D5185)
- % Water by Karl Fischer (ASTM D6304C)
- Viscosity @ 40°C or 100°C (ASTM D445)
- Acid Number (ASTM D664)
- Oxidation / Nitration (ASTM E2412)
- ISO Particle Count (ISO4406.99)

TRIBO 3: Advanced Industrial Oil Analysis Test "TURBINES".

Sample Volume: 1 L

- 24 Metals by ICP (ASTM D5185)
- Viscosity @ 40°C (ASTM D445)
- Acid Number (ASTM D664)
- % Water by Karl Fisher (ASTM D6304C)
- ISO Particle Count (ISO4406.99)
- Oxidation/Nitration (ASTM E2412)
- RPVOT (ASTM D2272)
- Water Separability Characteristics
- RULER (LSV - % phenols/amines) (ASTM D6971)
- Foam (Internal Method Tribolab)
- Cooper corrosion 3 hr @ 100C (ASTM D130)
- Flash Point (ASTM D92)
- Color (ASTM D6045)
- Viscosity Index (ASTM D2270)
- Pour Point (Internal Method Tribolab)
- Density @ 15C (ASTM D7777)

Hydraulic Systems, Pumps, Compressors & Fans

TRIBO 1: Basic Industrial Oil Analysis Test.

Sample Volume: 100 ml

- 24 Metals by ICP (ASTM D5185)
- % Water by Crackle (Internal Method Tribolab)
- Viscosity @ 40°C or 100°C (ASTM D445)
- Acid Number (ASTM D664)
- Oxidation / Nitration (ASTM E2412)
- ISO Particle Count (ISO4406.99)

TRIBO 2: Advanced Industrial Oil Analysis Test.

Sample Volume: 100 ml

- 24 Metals by ICP (ASTM D5185)
- % Water by Karl Fischer (ASTM D6304C)
- Viscosity @ 40°C or 100°C (ASTM D445)
- Acid Number (ASTM D664)
- Oxidation / Nitration (ASTM E2412)
- ISO Particle Count (ISO4406.99)

Gearboxes

TRIBO 1: Basic Industrial Oil Analysis Test.

Sample Volume: 100 ml

- 24 Metals by ICP (ASTM D5185)
- % Water by Crackle (Internal Method Tribolab)
- Viscosity @ 40°C or 100°C (ASTM D445)
- Acid Number (ASTM D664)
- Oxidation / Nitration (ASTM E2412)
- ISO Particle Count (ISO4406.99)

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