VeneFilter
Absolute Filtration

TRIBO-LABS LABORATORY

Tribo-Lab
FLUID ANALYSIS AND TRIBOLOGY SERVICES

Fluid analysis that *adapts* to every *industry.*

Lubricants · Greases · Coolants · Diesel
Reports · Trends · Proactive maintenance

ISO 17025
laboratories accredited by A2LA (ISO/IEC 17025:2017)

48–72 h
turnaround once the sample is logged

Contact us
info@tribo-labs.com

Web
www.tribo-labs.com

Data collection and evaluation of *tribological systems*

To run the program we provide a ***field consulting service***: trained engineers and technicians who collect data from the tribological systems involved in your production processes.

Our staff sets up a data-collection plan under ASTM and ISO procedures to evaluate or "Floor Map" your equipment, fleets or installed units. This feeds our systems to manage your fluids with laboratories accredited by ***A2LA*** (American Association for Laboratory Accreditation, ***ISO/IEC 17025:2017***).





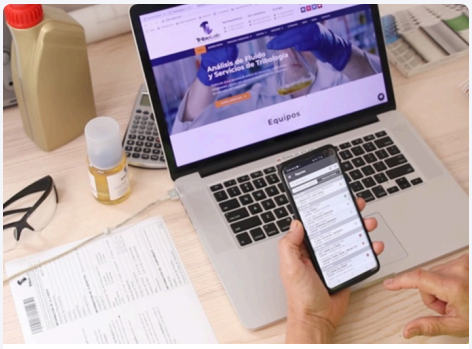
Sampling *supplies*

We supply everything the lubricant and diesel analysis program needs: sampling accessories, containers, portable lab units, fittings, hoses, pumps and labels.



Training

Hands-on and classroom training at our facilities for your maintenance and reliability staff: sampling lubricants, coolants, greases and diesel, and collecting equipment data.



Tribological *reports*

We support maintenance and reliability management with reports that flag or anticipate failures, equipment wear, physicochemical changes in fluids and filter performance.

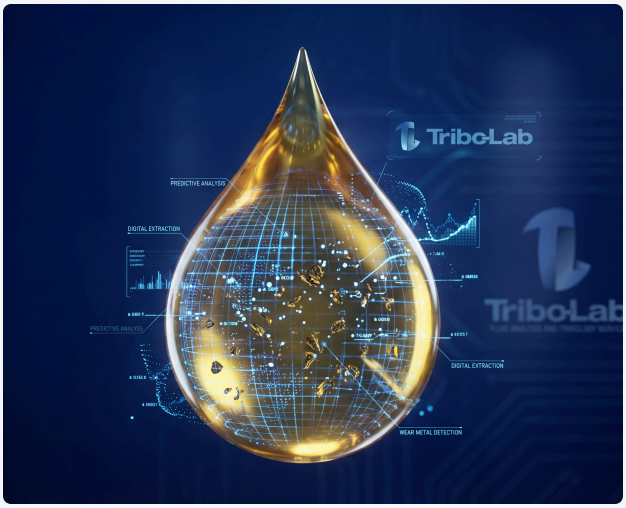
Tests under *international standards*

We run tests that meet **ASTM, ISO, SAE and NAS** standards, among others, with results that let you act before a failure happens.

Lubricant and diesel analysis

TRIBO-LABS offers a range of services for industry: analysis of greases, lubricants, coolants, diesel fuel and thermal oils, to control and monitor tribological systems and increase the reliability of your production lines. It also reduces fluid consumption and the environmental impact of waste.

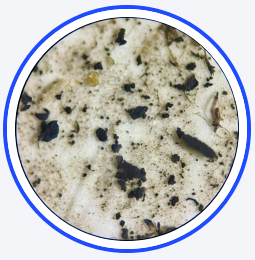
We specialize in analyzing lubricants, coolants and diesel for diesel, gasoline and gas engines from the leading manufacturers. We also have extensive experience in industrial applications, taking into account critical fluid levels and the recommendations of rotating equipment manufacturers for turbogenerators, turbopumps, hydraulic systems and gearboxes.



Explore all *markets*

- Mining
- Transport
- Marine
- Industrial
- Agribusiness
- Pulp and paper
- Metallurgy
- Food and beverage
- Thermal oils
- Wind energy





See the failure *before it happens*

Microscopic analysis and ISO 4406 particle counts reveal the real contamination level of your fluids, so you can act in time.

TRIBO-LABS test packages

TRIBO 2 Advanced industrial oil test

Sample volume: 100 ml

- 24 elemental metals by ICP ASTM D5185
- Water % by Karl Fischer ASTM D6304C
- Viscosity at 40 °C or 100 °C ASTM D445
- Acid number ASTM D664
- Oxidation / Nitration ASTM E2412
- ISO particle count ISO 4406:99

TRIBO 4 Engine oil test

Sample volume: 100 ml

- 24 elemental metals by ICP ASTM D5185
- Viscosity at 100 °C ASTM D445
- Fuel dilution % ASTM D7593
- Soot % ASTM E2412
- Water % by crackle in-house method
- Base number ASTM D4739
- Oxidation / Nitration ASTM E2412

TRIBO 5 Basic diesel fuel test

Sample volume: 1 L

- Elemental analysis by ICP ASTM D5185
- Water and sediment ASTM D2709
- Bacteria, fungi and mold manufacturer
- ISO particle count ISO 4406:99
- Pensky-Martens flash point ASTM D3828

TRIBO 3 Advanced turbine oil test

Sample volume: 1 L

- 24 elemental metals by ICP ASTM D5185
- Water % by Karl Fischer ASTM D6304C
- Viscosity at 40 °C or 100 °C ASTM D445
- Acid number ASTM D664
- Oxidation / Nitration ASTM E2412
- ISO particle count ISO 4406:99
- RPVOT ASTM D2272
- Water separability characteristics
- RULER (LSV, % phenols / amines) ASTM D6971
- Foam in-house method
- Copper corrosion, 3 h at 100 °C ASTM D130
- Flash point ASTM D92
- Color ASTM D6045
- Viscosity index ASTM D2270
- Pour point in-house method
- Density at 15 °C ASTM D7777

TRIBO 8 Coolant test

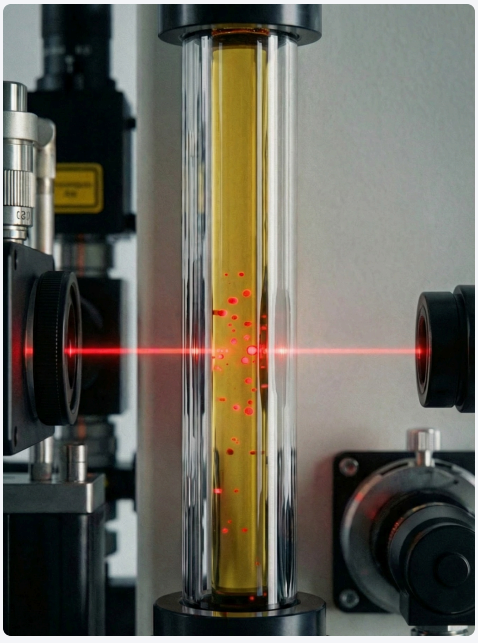
Sample volume: 100 ml

- Visual: color, oil and/or fuel contamination, precipitate, odor, foam, magnetic / non-magnetic in-house method
- pH ASTM D1287
- Glycol % (ethylene or propylene)
- Freezing point ASTM D3321
- Boiling point in-house method
- Nitrite in-house method
- TDS (total dissolved solids)
- Specific conductance in-house method
- SCA # in-house method
- Total hardness in-house method

TRIBO 9 Filter test: particles and wear metals

Sample: filter element

- 24 elemental metals by ICP ASTM D5185
- Acid digestion elemental analysis ASTM D5198
- Gravimetric solids in-house method
- Micropatch in-house method
- Analytical ferrography ASTM D7690



Which test *do you need?*

Our specialists recommend the right package for each piece of equipment and application.

info@tribo-labs.com

For more information, contact us:

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