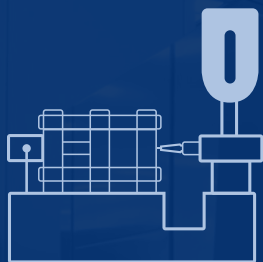


Plastic



TRIBOLAB®
“Helps you
Monitor & Extend
the useful life of your
Equipment.”



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.

The Plastics industry produces semi-finished products (which are inputs for other industries) and finished plastic products for final consumption: packaging, construction materials, electricity and electronics, medicine, etc. There are several ways of processing plastics, one of them is the injection mold, that require control of the hydraulic system with micrometric precision. An unsuitable lubricant or with high levels of contamination per particle [ISO4406.99](#) of systems the requirements, create failures in the closure of molds, generating material losses and rework. Other form of processing is molding (injection, compression, rotation, blowing, extrusion, etc.).

In the plastics industry, a great variety of processes and machinery are observed, which is why fluid analysis such as the [TRIBO 2](#), test package, becomes a very useful tool to detect equipment failures in progress and directly point out the cause root of problems, preventing catastrophic failures and costly losses in production.

Main objectives of fluid analysis in the Plastics Industry

- ✓ Reduce costs.
- ✓ Predict equipment failure.
- ✓ Eliminate downtime.
- ✓ Increase reliability of assets.
- ✓ Reduce rework.



Diesel Engine

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)

TRIBOLAB®
“Increase
Reliability
of your
Equipment.”

Shaft Sliders

TRIBO 11: GREASE Analysis Test. Sample Volume: Syringe

- FdM (Internal Method Tribolab)
- Color (ASTM D6045)
- FTIR (ASTM D664)
- % Water by Crackle (Internal Method Tribolab)

Hydraulic Systems

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)

Gear Systems & Chillers

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)

For more information you can contact us through the phones:

North America

Phone

+1- (786) 497.61.00 | (786) 537.49.71

Fax: +1 (786) 441.44.08

South America

Phone

+58 (414) 439.53.03 | (424) 473.04.59

(414) 342.51.61

Europe

Phone

+34- (658) 94.80.60 | (911) 84.59.96



www.tribo-labs.com