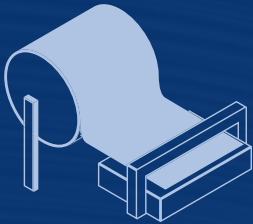


Pulp & Paper



TRIBOLAB[®]
“will help you
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.

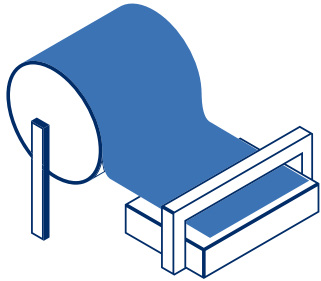
The paper industry is responsible for the extraction, refining, transformation and production of the cellulose that is extracted from pine, eucalyptus and other vegetables sources . It is the industry for the supply of the vast majority of manufacturers that transform paper and cardboard into containers, toilet paper, cardboard boxes and other products. This industry has a wide variety of equipment, from Yankee cellulose pulp drying mill systems such as Valmet, Beloit, Voith, Andritz dryers, among other recognized brands. These mills that require special lubricants that support the high temperatures such as process moisture, and require monitoring of these lubricants to ensure the process. The industry has a number of winders and slitters that are controlled by hydraulic systems, lubrication systems, steam turbines, high-pressure compressors, even ventilation systems. 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 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



Grease Lubrication System

TRIBO 11: Grease Analysis Test.

Sample Volume: Syringe

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

Yankee Lubrication System

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)

Drying Mills Lubrication System

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)

Diesel Engine & Generators

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 D44739)
- Oxidation / Nitration (ASTM E2412)

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 (ASTM D7345)
- ISO Particle Count or Particle Quantifier (ISO4406.99)
- COPPER STRIP CORROSION (ASTM D130)

Hydraulic Systems, Pumps, Alternative & Rotary Compressors

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)

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