



Tribolab
ANÁLISIS DE FLUIDO Y SERVICIOS DE TRIBOLOGÍA

HYDRAULIC SYSTEM

“Lubricant analysis is an essential tool for the maintenance of your systems hydraulics. TRIBOLAB®, will help you improve production, increase operation and minimize repairs.”

A clean lubricant is essential in hydraulic systems. These operate with extremely tight tolerances and high pressure, which makes them susceptible to small amounts of contamination. Pollution generated by solid wear particles, water, gases and high temperatures are the main causes of the deterioration. It is also known that most hydraulic failures are caused by water or solids contamination of the fluid.

Water contaminations is the number 1 enemy of all lubricants. Water contributes to lubricant acidity and system corrosion.

Regardless of the hydraulic system application, parts of the equipment are constantly exposed to the environment. These environments can cause irregular operations and shorten lubricant life.

Hydraulic lubricant analysis is essential for the prevention of failures in the systems. It is recommended to establish a program of basic routines, which are contained in the **TRIBO 1** package. In the case of having systems more susceptible to humidity, **TRIBO 2** package is recommended, it contains Karl Fischer test, and this provides accurate % or ppm humidity results for deeper control.



www.tribo-labs.com

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

“Hydraulic Lubricant Analysis is
**Essential for
Prevention**
of failures in your systems.”



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.

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 (IASTM D6304C)
- Viscosity @ 40°C or 100°C (ASTM D445)
- Acid Number (ASTM D664)
- Oxidation / Nitration (ASTM E2412)
- ISO Particle Count (ISO4406.99)

Standard Monitoring Frequency

The following is the standard monitoring frequency for Industrial Hydraulic Systems

Hydraulic Systems: Every 700 hr.

“Experts recommend the ideal monitoring frequencies, depending on the industry and application. In general, the frequency shown above is set as a standard parameter”.

For more information you can contact us through the phones:

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