

“Clean lubrication has become an extremely important factor in maintaining and preserving your equipment”



TRIBO 1



“It is essential for the prevention of failures in the systems, to establish a program of basic routine tests, which are contained in the TRIBO 1 package”



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.

This package allows you to verify that the lubricant's viscosity, acidity (TAN) and its additives are in appropriate conditions for the speed and load of the equipment. Through analysis by ICP-OES (Inductively-Coupled Plasma - Optical Emission Spectrometry) up to 24 elemental metals are detected, it measures in concentration up to particles smaller than 10 microns in size, which may be present in the used oil either due to wear, contamination or additives; this package also provides us with a moisture detection tool. With the Fourier Transform Infrared (FT-IR) Spectrometry test, the presence of oxidation, nitration, Soot, glycol, presence of water and fuels can be detected by abs / 0.1mm (absorbance units per 0.1 millimeter). TRIBOL 1 package will obtain true and accurate information on the particles that have accumulated within your system and can affect the good performance of your equipment. Through ISO particle count method (ISO4406.99), it is possible to quantify the levels of particle contamination per milliliter of fluid in three sizes 4µ, 6µ and 14µ.

TRIBO 1: Basic Industrial Oil Analysis Test. Sample Volume: 100ml

- 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)

Applies to the following equipment

Gear systems, Hydraulic systems, Compressors, Chillers, Transmissions, Pumps, Fans, Reducers, turbines and lubrication systems.

For more information you can contact us through the phones:

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