



LUBRICATING OIL ANALYSIS

Accredited by NABL ISO/IEC 17025:2017

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PROSERVE LUBE-CHECK IS CAREFULLY MATCHED YOUR EXACT NEEDS

Many maintenance professional thinks that, oil analysis is just a fitness test for the oil; probably it's a one of the basic objective of oil analysis. Fortunately, advanced oil analysis reveals many important insight of the machine conditions before it becomes a problem.

We recognize that every machine needs unique service requirement differ between industries to customer. Some need assurance that

their product is suitable for continued use, while others want a more complex monitoring program to match their maintenance strategies. So we have created two level of proserve lube-check for greater customer flexibility. We will consult with you to understand your specific need before agreeing the service level and sampling program that best suits your machine.

Check-up: Routine oil analysis supported by specific technical recommendations. Assessment of the lubricant condition reveals whether the system fluid (oil) is healthy and fit for further service, or is ready for a change.

- Viscosity @ 40°C & 100°C
- Viscosity index
- TAN & TBN
- Moisture content
- Insoluble

Advanced: Offer more comprehensive analysis of oil by monitoring a wider range of critical parameters to enhance your system or machinery performance. Increased contaminants from the surrounding environment in the form of soot, dirt, water and wear contamination are the leading cause of premature machine degradation and failure. Increased contamination alerts you to take action in order to save the oil and avoid unnecessary machine wear.

- Viscosity @ 40°C & 100°C
- Viscosity index
- TAN & TBN
- Moisture content
- Insoluble
- Wear elements -Elemental analysis
- Additives depletion
- Contaminants
- PQ Index

Insight: Insight is the rational solution for your machinery condition monitoring using oil analysis. Insight is the wear particle analysis services that used analytical ferrography to determine the exact nature of wear particle present. So you can act promptly to avoid breakdown and unplanned maintenance. By monitoring many different indicators, sampling provides accurate condition trending, provide earliest warning of potential component failure in oil lubricated machinery and pinpointing specific failing components.

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- Analytical ferrography



Industries Served

- Steel
- Cement
- Power & utilities
- Mining
- Wind
- Automotive
- Rubber
- Chemical and fertilizers
- Paper and pulp
- Heavy engineering
- Light Engineering

Scope of oil Analysis

- Gear oil
- Hydraulic oil
- Compressor oil
- Turbine oil
- Circulating oil
- Bearing oil
- Super clean oil
- Coolant oil
- Grease
- Paper and pulp

Basic identifications

- Trend analysis
- Contaminations
- Additive depletion
- Metal Wear
- Sludge/Varnish
- Physical deteriorations
- Visual analysis
- Performance change



How proserve lube-check will work for you

Survey	: A survey identifies key equipment and system details that will benefit from regular monitoring and recommend a detailed testing schedule which includes sampling frequency, sampling point and control limit.
Sample kit delivery	: A sample kit contains sample bottles, preprinted labels, sampling procedure and guide.
Sampling	: Following the schedule and SOP, samples are taken & sent to proserve lab with proper paper work.
Testing lab	: Received sample will be coded with unique identification number for easy tracing. Lab expert test the oil as per the agreed service agreement and following universal standards.
Analysis report	: Reports containing the analysis and technical interpretation with machine expert recommendation will be submitted.



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