

Lubricants

Testing & Analysis



Why is it necessary to test lube oil?

Lubricating oils are an integral part of expensive systems such as the engines. Testing lubricating oils provides early information on engine wear, unusual engine performance and when to replace the lubricating oil. With usage over a period of time, lubricating oils that have been in service become contaminated with oxidation products, wear debris, combustion by-products, water, fuel, coolant, etc. The purpose of an oil analysis is to verify that the lube oil is fit for purpose and will not cause any damage to the machinery.

Why Test Lube Oil with Viswa?

Globally known as the 'Problem Solving Lab', Viswa earned its reputation through extensive testing, data analysis, predictive analytics, research and practical solutions to problems for the past 30 years.

Serving over 750 customers with 9,500 ships, Viswa provides unbiased results that focus on providing solutions rather than stating problems. Accredited to the **ISO 17025**, Viswa has proven to deliver services to the highest level of customer satisfaction. Viswa is also a member of the **CIMAC Working Groups** WG7|Fuels and WG8|Marine Lubricants.

Lube oils tested by Viswa

- Cylinder Drain Oils
- System Oils
- Trunk Piston Oils
- Hydraulic Oils
- Gear Oils
- Turbine Oils
- Stern Tube Oils
- Coolants & Refrigerants
- Automatic Transmission Fluids
- Drive Train and Differential Fluids
- Compressor Oils
- Heat Transfer Oils
- Transformer Oils
- Greases
- New lube oils

Why test lube oil with an independent lab?

Though the primary tests for lube oils are offered by the lube oil manufacturer/supplier, here are some reasons why it is better to test lube oils with an independent lab;

- Given a scenario where the lube oil supplier/manufacturer is also the testing entity, there is a possibility of a biased analysis which may recommend to renew or replenish the used lube oil even though it may have some Remaining Useful Life (RUL). Testing with an independent lab can yield extensive savings with actual unbiased analysis.
- Fast turnaround time (2-3 days).
- Unavailability of the current brand of lube oil used by a ship at a particular bunker port may force them to switch to another lube oil brand. The new supplier may not welcome the idea of testing the already existent lube oil of the previous brand.
- Expanded test scope including identification of machinery issues, recommendations, etc. Combination of LO analysis with the FO analysis to give a complete diagnostic analysis of the engine.
- Centralized data storage is one of the important aspects of testing with an independent lab. Loss of previous data may be encountered by shipowners while switching between different brands of lubricants.
- Results are analyzed by qualified engineers with extensive experience.

Industries served

- Marine & Offshore
- Railways & Locomotives
- Transformers & Powerplants
- Wind Turbines
- Industrial & Mining

For more information

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