



The **Lubricant** Company

STAR Marine Oil Analysis



Service • Testing • Analysis • Response

STAR Marine Oil Analysis

Reduce Maintenance Costs and Improve Reliability with STAR Marine Oil Analysis

STAR is one of today's most advanced condition monitoring programmes, designed to generate substantial operational and financial benefits for you.

STAR provides a programme of Service, Testing, Analysis and Response, delivering up-to-date trend analysis, and regular custom-designed action reports that enable easy implementation.

Benefits of STAR Marine Oil Analysis

The early detection of lubricant degradation, destructive contaminants and potential equipment failure will avoid costly fleet downtime. Considerable cost savings can be made through the prevention of lost production and reduced maintenance costs.

STAR is independent of all oil companies, and we have unique service-based audit processes and reporting programmes to optimise your oil life, improve the overall performance of your equipment life and implement action plans.

Routine Machinery Testing

- Engine Oils
- Main Engine System Oil
- Main Engine Cam-Shaft
- Main Engine Cylinder Oil
- Generator (auxiliary) Engines
- Emergency Generators

These systems are normally covered by a standard engine oil analysis test-suite:

Visc 40°C and 100°C – ICP – Soot % –
Flash Point – Water % – Base Number

Hydraulic Oils

- Steering gear systems
- Winch Hydraulics
- Control Pitch Propellers
- Remote Control Valves
- Bow Thrusters
- Stern Thrusters
- Deck Cranes
- Ramp Hydraulics
- Hatch Covers

These systems are normally covered by a standard hydraulic oil analysis test suite:

Visc 40°C – ICP – ISO – Appearance – Oxidation –
Acid number – Water %

Asphaltenes Analysis

We measure asphaltenes using an in-house method developed over a number of years.

It is important to measure these for systems using heavy fuel oils, as asphaltenes are solids that can precipitate out of the oil, plus they are abrasive and can cause wear and can block filters.



“Water ingress, identified by the STAR programme alerted us to a contamination issue on a critical engine. On stripping it down, a burst water cooler was found before any damage was done to the pistons. This early detection saved down time and £1000's in replacement parts.”

Gear Oils

- Main Engine reduction gear
- Stern Tube
- Transmissions
- Bearings
- Turbocharger
- Gear Winch

These systems are normally covered by a standard gear oil analysis test-suite:

Visc 40°C – ICP – PQ – Appearance – Water %

Thermal Oils

Primary and secondary boilers.

Visc 40°C – ICP – Carbon Residue – Appearance – Water % – Acid Number – Flash Point

Oxidation Analysis

There is a requirement by some classification societies to include the analysis of the stern tube oil's oxidation. This is performed as an extra test as and when required, and is analysed by FTIR.

Fuel Analysis

We offer marine fuel analysis in addition to oil analysis. If you would like more information about our fuel analysis services, contact us to discuss your requirements.

The Lubricant Company is one of the leading providers of lubricants and lubrication services to the Marine Industry.

Providing Lubricants, Services and Solutions

We are able to recommend and supply world class marine lubricants to ports throughout the UK. We also provide a range of services aimed at reducing your costs and improving profit margins.

We offer a complete Lubrication Management solution to help reduce your lubrication costs and extend the life of your equipment.

Reliable Service and Fast Delivery

We appreciate that in the marine industry, the key to your efficiency is ensuring we stock the right products and are able to deliver on time.

With our strategically placed depots and our fleet of delivery vehicles, we provide a fast and efficient logistics service.

Superior Quality Products

We understand that reducing oil consumption and increasing oil-drain intervals are important factors.

We work with the world leaders in lubricant production, and can supply you with quality products, that will ensure downtime is reduced and production is increased.

Technical Expertise

We've built a vast wealth of knowledge and expertise in the marine industry, ensuring we can efficiently deal with any technical issues or questions you may have.

“The Lubricant Company recommended we switch to fully synthetic Mobil Delvac in our fleet along with regular oil analysis to assess performance. We were delighted when we managed to double our oil drain intervals, achieving large savings across the fleet.”

“STAR identified a defective air induction system during the routine monitoring of an important engine. Without the analysis report, a failure would have been unavoidable as we were not looking for a fault and would not have found it. This saved us replacing the engine which would have cost £1000's. The system is simple to use and works well.”



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