GULFSEA UOA ANALYTICA

Maximising Efficiency through Early Predictive Maintenance

GulfSea Technical Solutions

GulfSea UOA Analytica

GulfSea UOA Analytica simplifies lubrication monitoring, enabling ship owners and managers to enhance the reliability of on-board equipment while minimising operational and maintenance costs.

Gulf Marine offers GulfSea UOA Analytica as a fully integrated service that offers a wide range of used oil tests with quick turnaround times. This solution provides early warnings that help anticipate equipment problems and predict machinery operating efficiency.

GulfSea UOA Analytica facilitates a better understanding of the condition of the lubricants in service and expedites the planning of both near- and long-term maintenance.

Benefits:

- **Enhance Reliability:** Minimise downtime through early warnings, improving reliability of on-board equipment.
- **Cost Efficiency:** Reduce unnecessary downtime and associated cost.
- **Improve Safety:** Higher standards of safety.
- **Precise Monitoring:** Performance assessment of operational efficiency facilitates better maintenance planning.

Value-Added Service

Our Technical Experts ensure high-quality insights and predictive recommendations for each analysis report. All reports are easily accessible online and promptly emailed to the designated superintendent or technical department. For urgent issues, we establish direct phone communication for prompt responses.

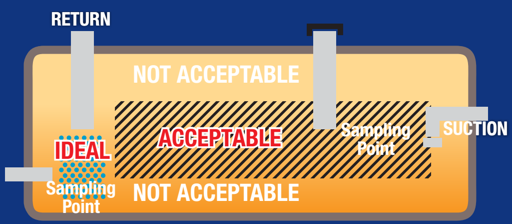
Additionally, we provide timely reminders for optimal sampling intervals to maintain consistency and best practices.

Contents:

1. Sample Bottles
2. Containers
3. Sampling & Delivery Instruction
4. Sampling Labels and Information Sheet
5. Courier Bag

How to take a good sample?

Oil samples in small bottles of between 100 ml and 150 ml are taken for purposes of routine used oil analysis. As samples obtained are from a system of significant volume, it is critical that the captured oil is fully representative in order to ensure that the analysis statistically represents prevailing conditions in terms of degradation, contamination and wear. The sampling techniques are therefore important.



1) *Quality of Oil*

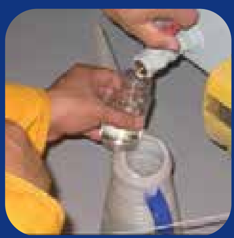
Sampling should be performed when the machinery is running (assuming it is safe to do so) or at a maximum of 30 minutes following shutdown. The sampling process, as described below, should be adopted as best practice and consistently applied for all subsequent samples so that results can be reliably compared.

2) *Sampling Point*

Samples must always be taken at the same sampling point. The best practice is to sample upstream of filters and purifiers, but downstream of wear-generating machine components, such as bearings, gears, piston, cams, etc.

Avoid sampling at dead legs or areas where lubricant flow may be restricted since contaminants and wear debris may settle or collect.

* *Gulf Marine sampling point tags help to ensure samples are always taken at the same point.*



3) *Purging of Sampling Point*

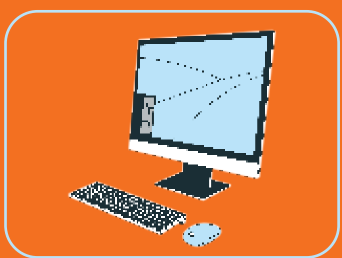
Flush the sampling connection to remove any debris or contaminants before collection of oil. It is recommended to drain off sufficient oil to ensure the sample is clean and representative.

4) *Sampling Volume*

Ensure that the sample bottle is at least 80% full. This is to ensure that there is adequate sample for the completion of the entire test package and will allow for homogenization of the sample by the laboratory.

How to order?

GulfSea UOA Analytica can be ordered, either individually or alongside other GulfSea products. Simply place a purchase order through your customer service or sales manager, and it will be delivered to your vessel at your next port of call.



Ordering

Sample kits can be delivered with your lubricants or shipped to your next port of call.

Sampling

Follow provided user guides to collect used oil samples. Ensure each sample is drawn and labeled correctly.

Posting

Send the sample using the pre-paid courier bag. Analysis is typically completed after 3 working days.

Reporting

UOA report with maintenance recommendations, will be sent by email and made available online.

Learn More About Our Services

Visit us at
www.gulf-marine.com
or
contact our global technical team at
technical.engineer@gulf-marine.com

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