



Gulf Oil Marine

GULFSEA UOA ANALYTICA



GulfSea Technical Solutions

GulfSea UOA Analytica

Providing a guide for early identification of potential machinery failures

Gulf Oil Marine's GulfSea UOA Analytica is designed to simplify the lubrication monitoring process, helping ship-owners and ship-managers increase the reliability of on-board equipment and, ultimately, lower operational and maintenance costs.

In collaboration with an experienced third party laboratory service provider, Gulf Oil Marine offers a fully integrated service, which enables a wide range of used oil tests, with quick turnaround of the results, allowing early-warning.

GulfSea UOA Analytica is used to help anticipate equipment problems and predict machinery operating efficiency. It facilitates a better understanding of the condition of the lubricants in service and expedites the planning of near and long-term maintenance.

BENEFITS

- Increase reliability of on-board equipment and reduce downtime through early warnings
- Lower machine repair costs
- Higher standards of safety
- Precise monitoring of operating efficiency

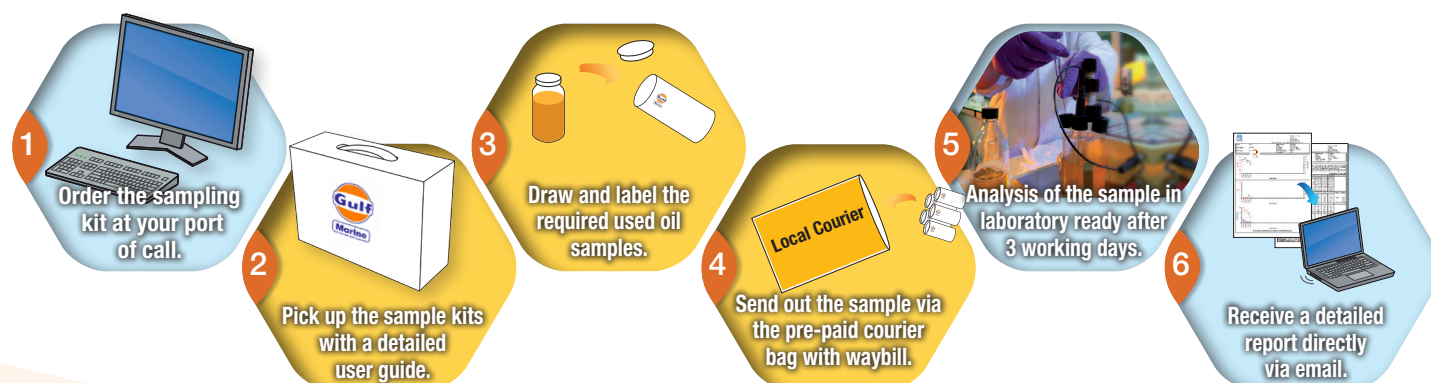
WHAT'S INSIDE THE KIT?

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



HOW TO ORDER?

Gulf Oil Marine's GulfSea UOA Analytica can be easily ordered, independently or jointly with other GulfSea products, and delivered to your vessel at your next port of call by simply placing a purchase order through your customer service/ sales manager.

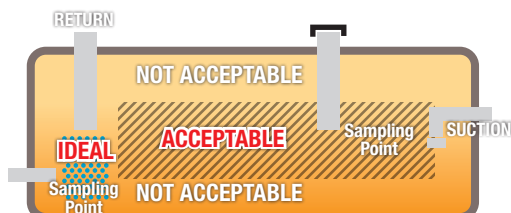


HOW TO TAKE A GOOD SAMPLE?

Oil samples in small bottles of between 50 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 Oil Marine sampling point tags help to ensure samples are always taken at the same point.



Flush sample point before actual sample taken



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.



OUR VALUE-ADDED SERVICE

Each analysis report will be screened by the Technical Engineer in charge of your vessels and adequate comments will be made in case early warnings are needed. The Technical Engineer will ensure that the reports, which will be accessible online, are promptly communicated via e-mail to the superintendent-in-charge or the technical department; he / she will communicate by phone if actions are needed.

Our team may also work with customers to remind them of the timing for taking samples to ensure consistency in sampling periodicity.

CONTACT US

To learn more about our service, please visit our website at www.gulf-marine.com/uoa or contact our global technical team members:

HONG KONG:

Chirag Chawla

(chirag.chawla@gulf-marine.com)

Sam Cheng

(sam.cheng@gulf-marine.com)

SINGAPORE :

Irwan Jaafar

(irwan.jaafar@gulf-marine.com)

Lim Jurong

(jurong.lim@gulf-marine.com)

SHANGHAI :

Wesley Jiang

(wesley.jiang@gulf-marine.com)

Miles Lu

(miles.lu@gulf-marine.com)

SEOUL :

Jung Hee Doo

(hee.doo@gulf-marine.com)

Middle East/India:

Obydur Rahman

(obydur.rahman@gulf-marine.com)

LONDON :

Graham Calder

(graham.calder@gulf-marine.com)

Paul Elliott

(paul.elliott@gulf-marine.com)

Steve Warren

(steve.warren@gulf-marine.com)



Gulf Oil Marine Ltd.

13/F, Fortis Tower 77- 79 Gloucester Road, Wan Chai, Hong Kong

Tel: +852 3693 0568

Fax: +852 3748 9960

Email: analytica@gulf-marine.com