Oil Analysis Reporting System

Gulf Oil Marine's Oil Analysis Reporting system (http://www.gulfoilmarine.com/) provides a convenient one-stop-shop for running all the lubricants-related technical reports that vessels will require. This reporting system is fairly intuitive and easy to use.

Customers can easily access the different technical reports from the main page:

- **GulfSea UOA Analytica**
- **GulfSea SDA Advance Analysis**
- **GulfSea MLR**
- **GulfSea Reporta**
- **Sample Status**

This online report is secured: access needs to be approved by an authorized person and only one approved version is available per vessel.
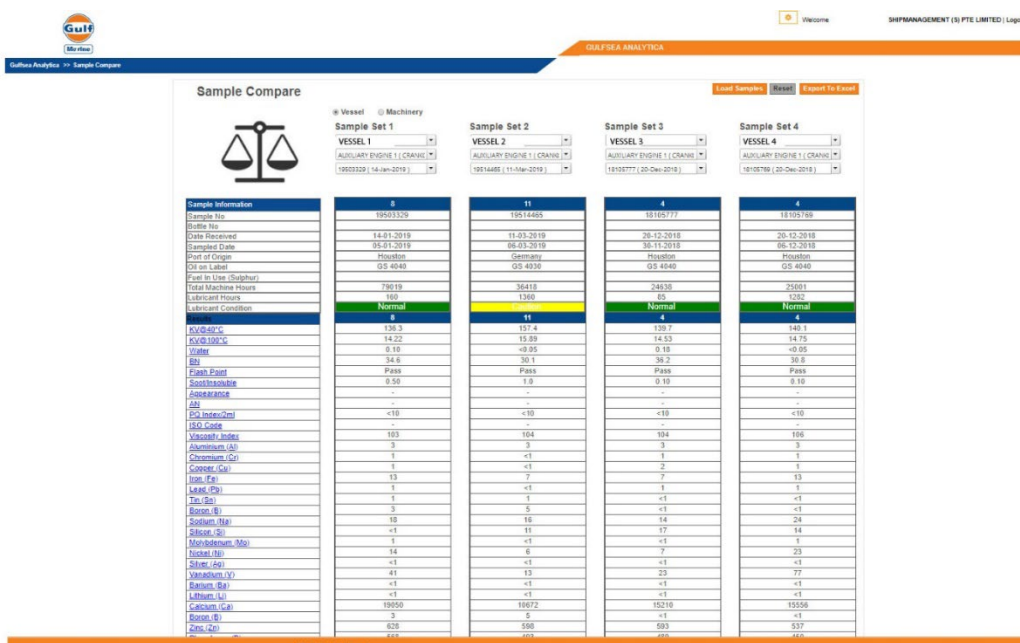
- **GulfSea UOA Analytica**

  This used oil analysis (UOA) reporting program displays all analytical data related to UOAs.

  Customers can access the individual sample as well as the overall rating information for a period of 1 year. All fleet information can be searched by specific criterion; they are also available in PDF format.
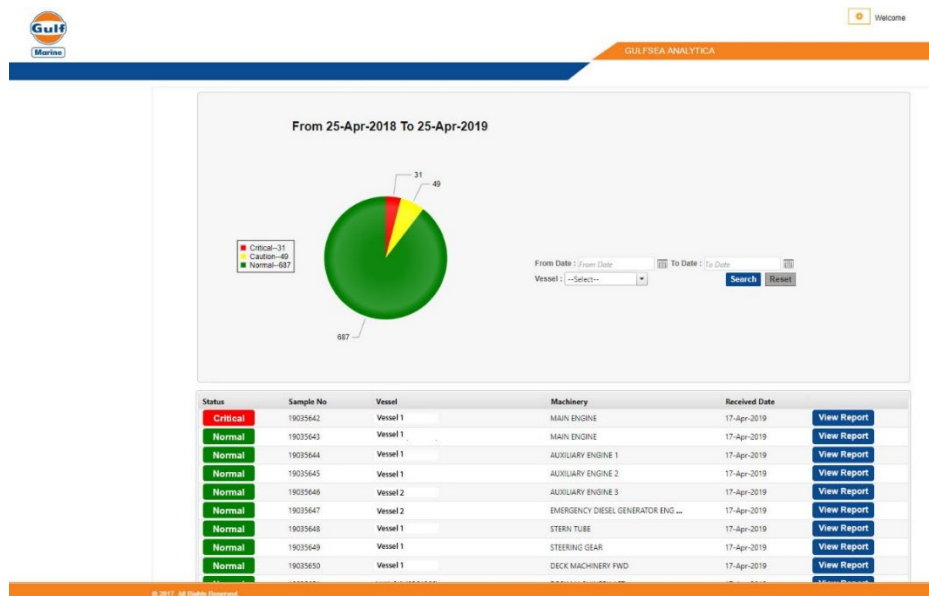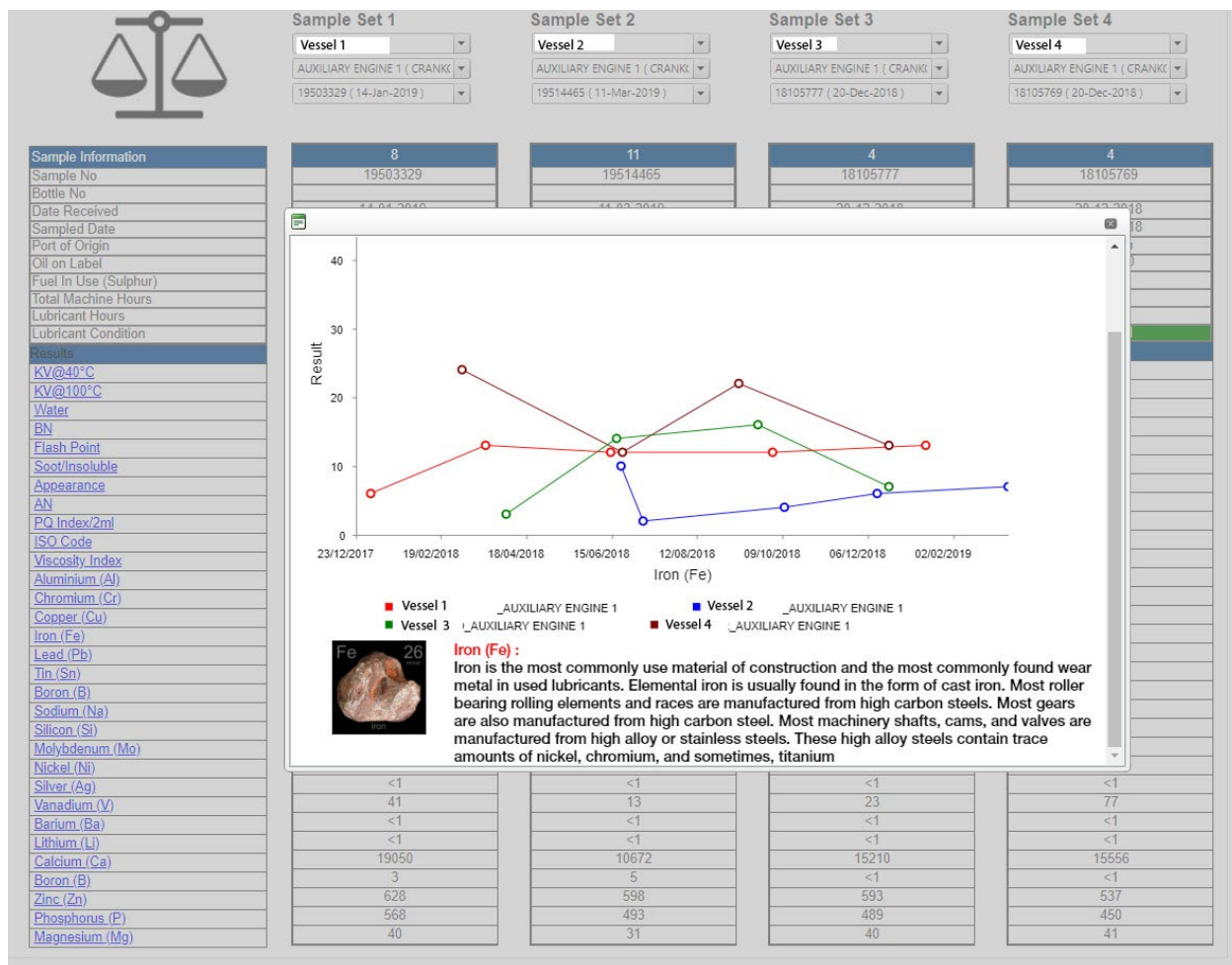

The advanced function in the system allows quick comparisons between different samples in terms of vessel or machinery. Graphs could be generated with individual/ multiple element parameters; and the analysis can be shown and exported in excel format.

For individual samples, the trends of the multiple elements with the respective sample # and their element parameters can be previewed in a graph. The results can also be generated in PDF format.
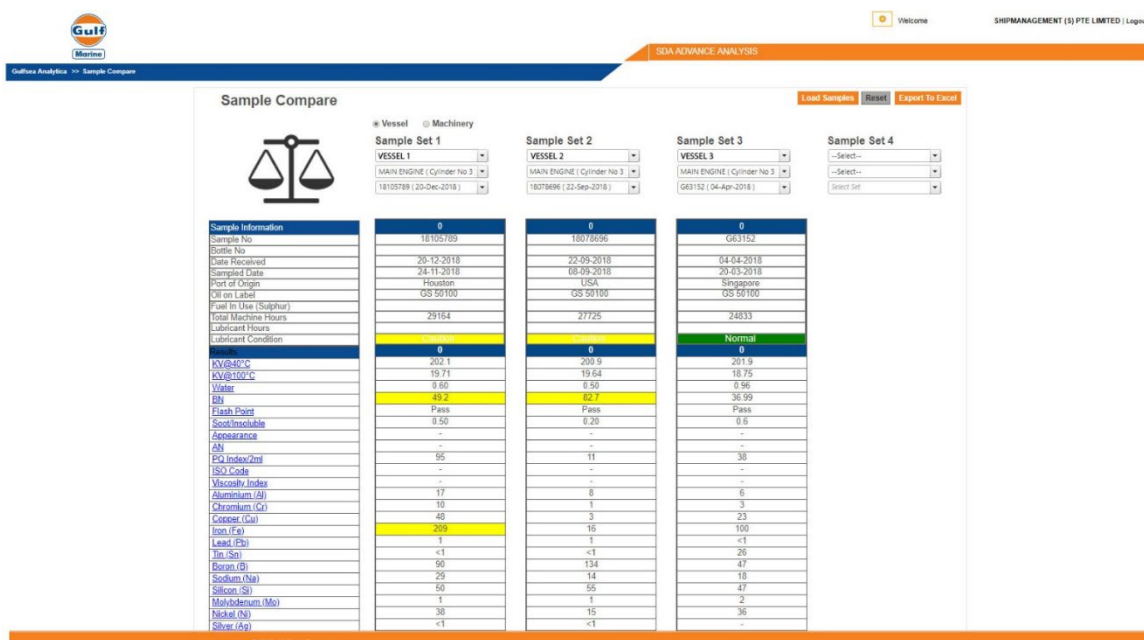
- **GulfSea SDA Advance Analysis**

  This reports the condition of used cylinder oil through scrape-down analysis.

  Customers can view the individual sample and overall rating information in the list or each published sample information by different intervals. All reports for the latest year are available at a glance.
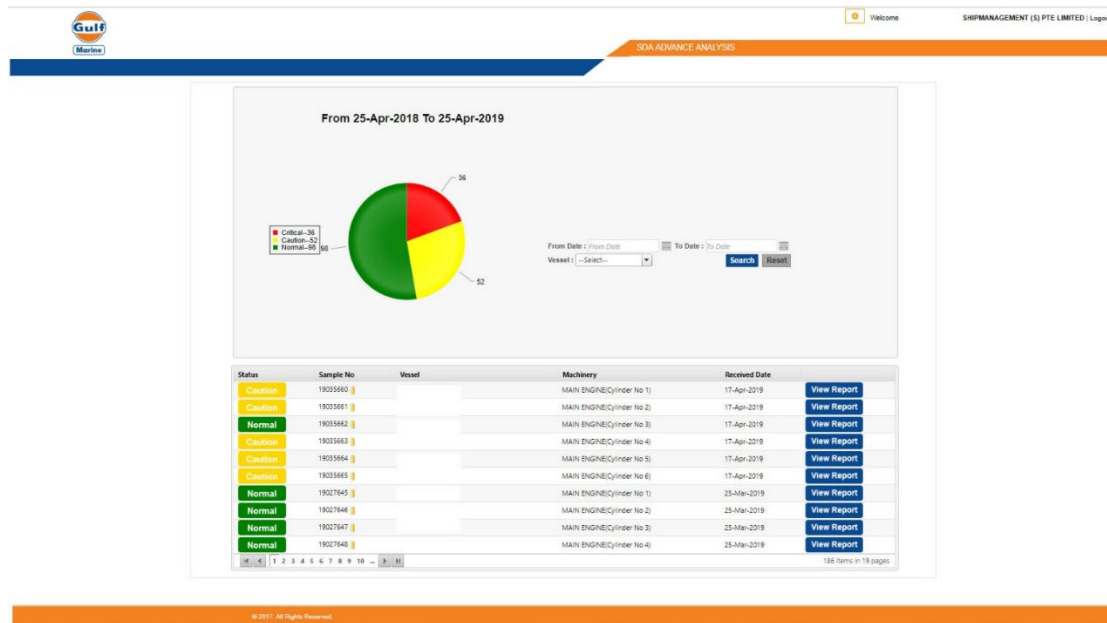
  Its advanced function also supports comparisons between different samples in one screen by selecting either vessel or machinery. Graphs could be generated according to the respective sample # and their element parameters.

Vessel   Machinery

Sample Set 1	Sample Set 2	Sample Set 3	Sample Set 4
Vessel 1	Vessel 2	Vessel 3	Vessel 4
MAIN ENGINE (Cylinder No 4)	MAIN ENGINE (Cylinder No 4)	MAIN ENGINE (Cylinder No 6)	MAIN ENGINE (Cylinder No 1)
G052657 (28-Feb-2017)	G55567 (18-Sep-2017)	18078574 (20-Sep-2018)	G61365 (10-Nov-2017)

Sample Information	0	0	0	0
Sample No	G052657	G55567	18078574	G61365
Bottle No				
Date Received				
Sampled Date				
Port of Origin				
Oil on Label				
Fuel In Use (Sulphur)				
Total Machine Hours				
Lubricant Hours				
Lubricant Condition				
Results				
KV@40°C				
KV@100°C				
Water				
BN				
Flash Point				
Soot/Insoluble				
Appearance				
AN				
PQ Index/2ml				
ISO Code				
Viscosity Index				
Aluminium (Al)				
Chromium (Cr)				
Copper (Cu)				
Iron (Fe)				
Lead (Pb)				
Tin (Sn)				
Boron (B)				
Sodium (Na)				
Silicon (Si)				
Molybdenum (Mo)				
Nickel (Ni)				
Silver (Ag)	-	-	<1	-
Vanadium (V)	468	546	152	520
Barium (Ba)	<1	<1	-	<1
Lithium (Li)	<1	<1	-	<1
Calcium (Ca)	-	-	33841	-
Boron (B)	30	15	32	27
Zinc (Zn)	299	135	110	293
Phosphorus (P)	239	126	93	240
Magnesium (Mg)	-	-	138	-

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Legend:
- Vessel 1 _MAIN ENGINE
- Vessel 2 _MAIN ENGINE
- Vessel3 MAIN ENGINE
- Vessel 4 _MAIN ENGINE

Gulf Oil Marine Ltd
37 Tuas Road, Singapore 638503
e-mail : technical.engineer@gulf-marine.com
web: www.gulf-marine.com

- **GulfSea MLR**

  This is designed to help ship operators by having all the vessels' and vessel machineries' lubrication recommendations (MLR) in one place.

  All the reports can be sorted by various selection criteria and can be generated in excel format.

Ship Manager	Vessel	IMO #	Status	Created Dt	Actions
SHIPMANAGEMENT (S) PTE LIMITED	SEA	9726	Approved	05-Apr-2019	
SHIPMANAGEMENT (S) PTE LIMITED	SERJ	9694	Approved	05-Apr-2019	
SHIPMANAGEMENT (S) PTE LIMITED	NIJII	9364	Approved	18-Oct-2018	
SHIPMANAGEMENT (S) PTE LIMITED	MANI	9625	Approved	12-Sep-2018	
SHIPMANAGEMENT (S) PTE LIMITED	CRYSTAL	9274	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	DANA	950(	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	VATOR	9604	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	PIN	9790	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SALT	9694	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SECI	9726	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SHA	9726	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SHAI	9726	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SHER	9726	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SI	9722	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	SPREAD	9699	Approved	16-Apr-2018	
SHIPMANAGEMENT (S) PTE LIMITED	UNIQUE	9609	Approved	16-Apr-2018	

- **GulfSea Reporta**

This enables customers to manage their vessel inspection reports – both old and new. With the search filter(s), customers can have various report types, view the full archive of reports, and can quickly access the most recently run report as well. Customers can then create their own Inspection Reports in PDF format with the relevant vessel information here.

- **Sample Status**

This enables customers to export all their analysis reports in the system into excel, providing convenience to customers to manage and monitor their reports in a timely manner.

This feature supports different menus, including Analysis Summary, Received Samples, Adhoc Reports, Samples Update, Oil Condition Summery, helping customers to improve the efficiency of their reporting.

Gulf Oil Marine's upgraded version of the Oil Analysis Reporting System enables easy navigation of used oil analysis summaries for all contracted vessels, contracted from 2018. The system can be conveniently accessed (online), anytime and everywhere; it is also highly secured with access being well controlled, ensuring that customers' data are well protected.

The reports are presented visually with a simple summary and comparison tables to enable customers to assess the health of their own machinery against the equivalent average levels of their vessels. It should be useful in helping customers make useful diagnosis/insights and take precautionary actions earlier, protecting their engines in long term.

Experience our reporting system and log in now at http://www.gulfoilmarine.com/ , or contact our Global Technical Team for more information.

[Updated on May 2019]