



**Shell Marine**

# 30 YEARS OF SHELL EXPERTISE LIES BEHIND OUR ANALYSES

**Shell**  
Lube**Analyst**



**SHELL LUBEANALYST** IS AN OIL CONDITION MONITORING SERVICE THAT HELPS TO KEEP YOUR OPERATIONS RUNNING SMOOTHLY BY IDENTIFYING POTENTIAL OIL OR EQUIPMENT FAILURES BEFORE THEY BECOME CRITICAL.

# 30 YEARS OF SHELL EXPERTISE LIES BEHIND OUR ANALYSES



Helps to prevent machine wear – from detecting contaminants to recommending when to extend oil-drain intervals

Send your samples to our network of laboratories. We apply years of Shell expertise to every analysis to give you insights to help you work more efficiently and reduce costs.

## THE VALUE TO YOU

### Oil-drain intervals



Extend oil-drain intervals to reduce the costs for lubricants and the disposal of waste lubricants

### Maintenance costs



Reduce costs for spare parts, labour and lost productivity

### Uptime



Improve equipment reliability and reduce downtime

TOTAL COST OF OWNERSHIP



The **total cost of ownership** is the amount spent on vessel components, including for acquisition, lifetime operation and lost productivity during equipment downtime.

## ONE SINGLE PORTAL

### MANAGE EVERYTHING THROUGH A SINGLE, USER-FRIENDLY PORTAL

The Shell LubeAnalyst portal gives you instant 24/7 access to your diagnosis reports and equipment performance. Easy to use and highly secure, the portal is a hugely valuable resource for understanding how your oil performs, spotting trends and managing your testing schedule.

The **Shell LubeAnalyst** includes new features that

- enable samples to be pre-registered and labels to be printed. This eliminates the need to fill out paper labels manually for each sample and improves efficiency.
- process samples faster. Monitor sample registration from the main page of the portal or check its progress at any time using the sample tracking feature. Alternatively, enable automatic email notifications when your samples have been received and registered by the laboratory.
- use a new lubricant survey format. Shell LubeAnalyst features a library that records all equipment and lubricant recommendations for your rig or vessel. A lubricant survey for your rig or vessel is available for download.

### DETAILED AND TAILORED DIAGNOSIS

Using detailed laboratory analysis results, Shell LubeAnalyst applies advanced algorithms, in combination with expert diagnostics from our lubricant and machinery professionals, that enable screening and reporting on oil performance that can be specific to a particular machine, lubricant and application.

Each sample analysis gives you a detailed diagnosis of your oil condition; reports are stored securely online and accessible at any time.

**Shell LubeAnalyst** reports feature

- oil and wear limits
- colour-coded values out of range
- customer and equipment details
- equipment and oil running hours
- physicochemical parameters
- contaminants
- wear metal analysis
- additive levels
- a complete equipment and lubricant library.

### INSIGHT THAT GROWS OVER TIME

Benefit from years of Shell's benchmarking data, monitor in real time how your equipment performs and use those data-driven insights to help you make better maintenance decisions.

A customised Shell LubeAnalyst dashboard will display informative charts based on your key areas of interest.



## SHELL LUBEANALYST IN ACTION

### WE KNOW HOW TO MAKE A DIFFERENCE

Our state-of-the-art oil monitoring service combines data from laboratory bench tests, insights from our historical database and expertise from our technical experts.

### THE CHALLENGE

A shipping company wanted to maximise engine oil performance in its vessels by increasing the engines' oil-drain interval without compromising on oil performance and overall equipment protection.

### THE SOLUTION

Shell Marine recommended switching to Shell Argina S3 30 or Shell Argina S3 40 combined with using the Shell LubeAnalyst service to monitor the quality of used lubricants, estimate better the engine wear condition and help to guide oil-drain intervals and engine maintenance.

### VALUE DELIVERED

The shipping company reported annual savings of about **16%**, or **US\$117,000<sup>1</sup>**, on the maintenance costs for its dredger fleet.

<sup>1</sup>The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from vessel to vessel and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.



## THREE SERVICE OFFERS

We provide flexibility and choice so that you get the Shell LubeAnalyst services you need to optimise your operations.

### THE "TEST" RANGE OF SUITES

- Suitable for equipment where failure predictability is good and/or where the impact of failure is not very risky and/or too costly
- Base test sequence
- Automated diagnostics

### THE "CHECK" RANGE OF SUITES

- Suitable for equipment where failure can lead to medium risks and/or costs
- Advanced diagnosis
- Enhanced test sequences with option flexibility

### THE "CHECK PLUS" RANGE OF SUITES

- Suitable for equipment where failure can lead to high risks and/or costs
- Advanced diagnosis
- Special test requirements, including solvency, cleanliness and ferrography



## FOUR EASY STEPS



- 1 | **Take oil samples**  
Shell can advise on when and how to draw samples



- 2 | **Send samples**  
Label and post them to your nearest laboratory. Consider using the latest sample pre-registration and label printing feature.



- 3 | **Tests carried out**  
Within 48 hours of receipt<sup>2</sup>



- 4 | **Receive report**  
Easy-to-interpret reports including diagnosis and maintenance comments sent by email and available online.

<sup>2</sup>Timing may vary depending on the type of test and the location of the assigned laboratory

## SHELL LUBEANALYST LABORATORIES AVAILABLE ACROSS OUR GLOBAL NETWORK



### Americas

Shell Marine Laboratory  
Shell LubeAnalyst  
1600 Shore Rd, Suite G  
Naperville, IL 60563  
USA  
Tel: +1 630 548 3921

### Europe, the Middle East and Africa

Shell Marine Laboratory  
Shell LubeAnalyst  
Inward Way, Rossmore Business Park  
Ellesmere Port CH65 3EN  
UK  
Tel: +44 151 350 6727

### India

Shell Marine Laboratory  
Shell LubeAnalyst  
c/o SGS India  
A-77, Road No. 16  
Wagle Industrial Estate  
Thane-400604  
India  
Tel: +91 22 61517838  
Note: For local samples only. Please do not send samples from outside India

### Singapore

Shell Marine Laboratory  
Shell LubeAnalyst  
3, Toh Tuck Link, #01-02/03  
Singapore 596228  
Tel: +65 637 90266

### China

Shell Marine Laboratory  
Shell LubeAnalyst  
No. 88 Pu Dong Road  
Shanghai Chemical Industrial Park  
Shanghai 210507  
China  
Tel: +86 21 6027 6363  
Note: For local samples only. Please do not send samples from outside China.

### Australia

Shell Marine Laboratory  
Shell LubeAnalyst  
28 Reid Road  
Perth International Airport  
Newburn WA 6105  
Australia  
Tel: +61 893 733 609

## THE RANGE OF SHELL SERVICES

**Shell LubeAnalyst** An early warning system for your equipment

**Shell LubeMonitor** Monitor lubricant performance and consumption, and engine performance

**Shell LubeAdvisor** Optimise products onboard

**Shell LubeCoach** Improve staff knowledge through training

**Shell LubeExpert** Expert practical advice on your vessel



### TALK TO OUR TEAM

If you would like to know more about Shell LubeAnalyst and how it could help your business, please get in touch with our team.

Visit [shell.com/marine](https://shell.com/marine)