



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 your 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\$117,000¹**, on the maintenance costs for its dredger fleet.

¹The 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 at equipment level
- 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 receipt²



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

²Timing may vary depending on the type of test and the location of the assigned laboratory

SHELL LUBEANALYST LABORATORIES AVAILABLE ACROSS OUR GLOBAL NETWORK



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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