

# Mobil Serv<sup>SM</sup> Cylinder Condition Monitoring

Next-generation service designed to help optimise feed rates, protect your engine and minimise total operating costs



Energy lives here™

Mobil Serv<sup>SM</sup> Cylinder Condition Monitoring is designed to help provide optimal protection for your slow-speed marine engines. Paired with MobilGard<sup>SM</sup> cylinder oil, the service enables protection of your engine, optimisation of lubricant feed rates, extension of engine life and reduction of total operating costs.

## Service summary

Based on our extensive database of results, over 50 per cent of vessels are not operating at optimal feed rates. By utilising our next-generation cylinder condition monitoring service, vessels will receive ongoing insights to quickly identify issues such as over- or under-lubrication, cold corrosion and the presence of cat fines. Crucially, this service also provides distinct operating recommendations in real time, helping to optimise feed rates, mitigate cold corrosion and reduce the effect of cat fines to avoid potentially catastrophic engine failure.

The service provides the crucial functionality to instantly measure fuel sulphur content to ISO 8754 and ASTM D4294 standards, and deliver the results in real time to ship operators. Combined, these two processes deliver key benefits, such as helping ship owners stay compliant with 2020 fuel compliance changes from the International Maritime Organization (IMO).

Through constant monitoring and proactive corrective action, ExxonMobil is committed to helping you extend the overhaul periods of your engine and reduce your total lubricant operating costs. This is why we analyse your fleet's potential savings based on your unique operating conditions.

## Potential benefits

Mobil Serv Cylinder Condition Monitoring helps to:

- 1 Reduce your total maintenance and operating costs.
- 2 Optimise cylinder oil feed rates.
- 3 Control cold corrosion.
- 4 Reduce cylinder, piston and liner wear, and extend overhaul intervals.
- 5 Ensure fuel sulphur percentage aligns with the IMO's 2020 fuel compliance changes.

Mobil Serv Cylinder Condition Monitoring has helped customers save over **US \$2.5M** of cylinder oil costs to date.\*

# Mobil Serv<sup>SM</sup> Cylinder Condition Monitoring

By using Mobil Serv<sup>SM</sup> Cylinder Condition Monitoring in combination with high-performance MobilGard<sup>TM</sup> cylinder oils, marine operators can help improve engine reliability and reduce feed rates and total operating costs.

## How the service works



### 1. Sample

Take one sample of cylinder oil from each cylinder in the engine. Place each sample into the Mobil Serv Cylinder Condition Monitoring Unit and submit results to the Mobil Serv database for detailed analysis.

20  
min



### 2. Analyse

ExxonMobil references results against our extensive database of over 500,000 samples. Then we relay reports and recommendations to the vessel.

1  
min



### 3. Act

Detailed reports show test results, trends and recommended actions to take on board for immediate results.

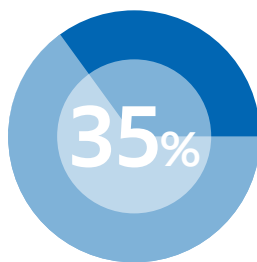
1  
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## A leader in cylinder condition monitoring

ExxonMobil is a marine industry leader, offering 15 years of cylinder condition monitoring data. Every year, we create more than 5,000 reports, which provide vessel operators with actionable insights. Today we can compare your samples to more than 500,000 test results.

Our solutions have helped vessel operators to defeat cold corrosion, reduce cylinder oil feed rates by 45 per cent\* and minimise total operating costs.

To learn more about Mobil Serv Cylinder Condition Monitoring, visit our [website](#).



More than **35%** of vessels have cat fines present.

\*Based on experience of marine customers. Actual results may vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.