

MobilGard[™] Cylinder Condition Monitoring

Advanced condition monitoring programme to help optimise engine performance



Energy lives here[™]

The MobilGard[™] Cylinder Condition Monitoring (CCM) programme is designed to help operators optimise lubricant feed rates and extend engine component life.

Programme features

The MobilGard CCM programme evaluates engine and lubricant condition by measuring:

- The concentration of ferrous iron in the scrape down oil, which helps provide an indication of an engine's liner wear rate due to abrasive wear
- The level of iron salts in the sample, which helps provide an indication of an engine's liner wear rate due to corrosive wear
- The BN level, which demonstrates if the engine's liners are being protected from the effects of acidic products of combustion or are in danger of suffering from corrosive wear

Potential benefits

MobilGard CCM helps:

- 1** Optimise cylinder oil feed rates
- 2** Control cold corrosion
- 3** Monitor for cylinder liner wear
- 4** Lengthen piston overhaul intervals
- 5** Extend cylinder liner life

Operators of

700+

vessels have trusted
MobilGard CCM.

MobilGard™ Cylinder Condition Monitoring

By using the MobilGard™ Cylinder Condition Monitoring (CCM) programme in combination with high-performance cylinder oils, marine operators can help improve engine reliability, reduce feed rates and reduce total operating costs.

Why MobilGard CCM?

MobilGard CCM is designed to help operators and vessels monitor the health of the engine and lubricant. When vessels send in sample data, they receive custom engineering reports containing graphical trends and specific recommendations within 72 hours. The results can indicate an engine's susceptibility to cold corrosion, which can help vessel operators identify the most appropriate BN cylinder oil and feed rate for engine protection. This enables the ship's crew to make timely adjustments based on live data to protect their engines.

ExxonMobil's extensive network of engineers is available to support the MobilGard CCM programme. They enable operators to understand trends, optimise cylinder oil feed rates and extend engine component life.



A leader in cylinder condition monitoring

ExxonMobil is a leader in CCM, offering a scrape down oil analysis programme for more than 13 years.

Today, it has in excess of 200,000 test results against which to compare a customer's sample. Operators of more than 700 vessels have trusted MobilGard CCM to help enhance the performance of their engines.

MobilGard CCM, coupled with Mobilgard 5100 cylinder oil, has helped operators to reduce oil feed rates by up to 45 per cent.*

13 years
of scrape down oil
analysis experience

*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.