

# Mobilgard™ M30 Series

Premium lubricants designed for medium-speed diesel engines using residual fuel



Energy lives here™

## Product features

Mobilgard™ M330 and M430 engine oils provide excellent engine cleanliness, especially in crankcases, camshafts, piston ring-packs and piston under-crowns. They can offer:

- Excellent thermal and oxidation stability
- Low volatility
- High load-carrying properties
- Extra-high performance in deep sea vessels

Mobilgard M430 oil is proven to provide

# 18,000+

**hours of trouble-free operation** for dual-fuel engines running on residual fuel and/or LNG.\*

## Potential benefits

Mobilgard M30 Series engine oils help:†

- 1** Provide excellent lube-fuel compatibility
- 2** Maximise engine cleanliness
- 3** Offer outstanding corrosion protection
- 4** Enhance the life of critical wear surfaces
- 5** Minimise lubricant consumption

## Excellent lube-fuel compatibility

Mobilgard M30 Series oils provide outstanding residual fuel compatibility characteristics, which help to reduce sludge formation, leading to longer oil life and excellent engine cleanliness. The excellent capability for handling raw fuel dilution means that the oil keeps the critical piston under-crown area free of deposits. Engineered to stabilise fuel contaminants, it halts the formation of a sticky lacquer that can coat fuel pump plungers, lowering the risk of potential failures.

## Maintaining engine cleanliness

Mobilgard M30 Series engine oils help engines stay cleaner for longer, which enables reduced fuel- and combustion-related corrosion and deposit buildup. The series offers excellent BN retention and resistance to viscosity increase, ensuring that the oil reaches critical engine components. This helps to maximise component life and cleaning intervals, and minimise filter changes and purifier maintenance.

\*Based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

†Compared to conventional, mineral products.

# Mobilgard™ M30 Series

## Excellent piston deposit control

Mobilgard™ M30 Series oils possess excellent thermal and oxidation stability, which help to retain cleanliness and prevent deposit buildup in critical areas, such as piston under-crowns and piston ring-packs. This helps to reduce the risk of premature piston failure due to overheating, and reduces liner and ring wear.\*



## Helps reduce engine wear and helps with cost savings

Mobilgard M30 Series oils have outstanding rust and corrosion properties, which help them to protect critical wear surfaces from wear and acidic corrosion, helping keep maintenance and repair costs down. In addition, low volatility base stocks allow for reduced lubricant consumption, which further helps with potential savings.

Mobilgard M30 Series oils can help **reduce the risk of premature piston failure** due to overheating. By helping reduce liner and ring wear, they also can help reduce maintenance costs.

## Typical properties

Mobilgard M30 Series	M330	M430
SAE Grade	30	40
Specific Gravity at 15°C	0.907	0.907
Flash Point, °C, ASTM D 92	244	250
Pour Point, °C, ASTM D 97	-6	-6
Viscosity, ASTM D 445		
cSt, at 100°C	12.0	14.0
TBN, mg KOH/g, ASTM D 2896	30	30
Sulphated Ash, wt%, ASTM D 874	3.8	3.8

\*Compared to conventional, mineral products.