

## Product Data Sheet

## Mobilgard 30 Series Medium Speed Engine Oils

### Product Description

Mobilgard 330 and 430 are premium quality 30 TBN engine oils designed for use in the most severe residual-fuelled marine medium-speed diesel applications. These new marine diesel engine oils provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase and camshaft areas. They provide excellent high temperature oxidation and thermal stability, low volatility, load carrying properties and corrosion protection.

### Benefits

Mobilgard 30 Series oils provide the following benefits when used as recommended:

- Provides excellent Lube/Fuel compatibility
- Maintain camshaft spaces and crankcase in good condition
- Reduce piston ring deposits
- Good TBN retention resulting in protection against corrosion and providing long oil life
- Long oil life and good oil consumption control
- Separates easily from water

### Applications

This new Series of oils are the result of an extensive Research and Development programme, incorporating Mobil's exclusive RFD (Residual Fuel Detection) Test. They meet the requirement of medium speed trunk piston engines used as main propulsion and auxiliary diesels on deep-sea vessels, and as main propulsion engines on coastal and river ships.

Mobilgard 30 Series oils are designed to meet the needs of engines operating on heavy fuel. They are recommended for use in the latest model high power two and four cycle diesel engines.

### Properties

Mobilgard 330 and 430 are formulated to provide excellent resistance to thermal degradation and to promote a high level of engine cleanliness with protection against wear. They have good resistance to oxidation and viscosity increases over long operating periods. High alkalinity reserves in these oils provide superior protection in neutralising the strong acids resulting from the use of high sulphur fuels that find access to the crankcase to promote oil degradation, ring, cylinder and bearing corrosion.

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Product Characteristics

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	<b>Mobilgard 330</b>	<b>Mobilgard 430</b>
SAE No.	30	40
Viscosity cSt, at 40 °C	106	143
Viscosity cSt, at 100 °C	11.0-12.5	13.5-15.3
Viscosity Index	99	100
Specific Gravity, 60/60 °F	0.91	0.91
Flash Point, °C	254	256
Pour Point, °C	-9	-9
Total Base Number, min.	30	30
Sulphated Ash, % wt	4.0	4.0

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Due to continual product research and development, the information contained herein is subject to change without notice

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