ExxonMobil

# Mobilgard DEO Series

ExxonMobil Marine , Australia

High Speed Diesel Engine Oil

## Product Description

Mobilgard ™ DEO ( Diesel Engine Oil) Series are high performance monograde diesel engine oils formulated with high quality base stocks and a balanced additive system for use in marine applications.

## Features and Benefits

| Features | Advantages and Potential Benefits |
|---|---|
| Extended TBN reserve | Protects engine parts from corrosive wear and deposits Controls formation of acids when using higher sulfur fuels |
| Good protection against oil thickening and sludge built-up | Prolonged engine life |
| Excellent thermal and oxidation stability | Keeps engines clean and operating smoothly |
| Increased high temp/high shear performance | Reduced engine scuffing, bore polishing and ring sticking |

## Applications

Mobilgard DEO Series are designed to provide superior performance in severe marine applications, especially for older and reconditioned marine high speed diesel engines. Mobilgard ™ DEO Series are used in engines where a monograde lubricant is recommended requiring API CF or CD.

## Specifications and Approvals

| This product is recommended for use in applications requiring: | MOBILGARD DEO 30 | MOBILGARD DEO 40 |
|---|---|---|
| API CD | X | X |
| API CF | X | X |

## Properties and Specifications

| Property | MOBILGARD DEO 30 | MOBILGARD DEO 40 |
|---|---|---|
| Grade | SAE 30 | SAE 40 |
| Ash, Sulfated, mass%, ASTM D874 | 1.1 | 1.1 |
| Density @ 15 C, g/cm3, ASTM D4052 | 0.89 | 0.9 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 256 | 254 |

| Property | MOBILGARD DEO 30 | MOBILGARD DEO 40 |
|---|---|---|
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 11.8 | 14.6 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 106 | 146 |
| Pour Point, °C, ASTM D97 | -21 | -21 |
| Total Base Number, mgKOH/g, ASTM D2896 | 10.1 | 10.1 |
| Viscosity Index, ASTM D2270 | 99 | 99 |

### Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

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