



Mobilgard™ HSD CH-4

ExxonMobil Marine, 中国

High Speed Diesel Engine Oil

Product Description

Mobilgard™ HSD 15W-40/20W-50 CH-4 products are high performance diesel engine oils that provide reliable protection of diesel engines operating in marine service applications. Mobilgard HSD 15W-40/20W-50 CH-4 products are recommended by ExxonMobil for use in a wide range of heavy-duty application operating environments in marine industries.

Features and Benefits

| Features | Advantages and Potential Benefits |
|----------------------------------|---|
| Thermal and oxidation stability | Controls sludge build-up |
| TBN reserve | Deposit control |
| Stay-in-grade shear stability | Reduced oil consumption and wear protection |
| Excellent detergency/dispersancy | Clean engines and long engine life |
| Component compatibility | Long seal and gasket life |

Applications

Mobilgard HSD 15W-40/20W-50 CH-4 products are designed to provide reliable engine protection in the most severe service marine applications of both modern marine diesel engines as well as older models in marine industry such as inland, coastal, dredging, fishing, passenger, offshore service and others.

Specifications and Approvals

| This product has the following approvals: | MOBILGARD HSD 15W-40 CH-4 | MOBILGARD HSD 20W-50 CH-4 |
|---|---------------------------|---------------------------|
| MTU Oil Category 2 | X | |

| This product is recommended for use in applications requiring: | | |
|--|---|---|
| API CF | X | X |
| API CF-4 | X | X |
| API CG-4 | X | X |
| API SJ | X | X |
| Mack EO-M | X | |
| MAN M 3275-1 | X | X |
| VOLVO VDS | | X |

| This product is recommended for use in applications requiring: | | |
|--|---|--|
| VOLVO VDS-2 | X | |

| This product meets or exceeds the requirements of: | | |
|--|---|---|
| API CH-4 | X | X |
| Cummins CES 20076 | X | |

Properties and Specifications

| Property | MOBILGARD HSD 15W-40 CH-4 | MOBILGARD HSD 20W-50 CH-4 |
|--|---------------------------|---------------------------|
| Grade | SAE 15W-40 | SAE 20W-50 |
| Ash, Sulfated, mass%, ASTM D874 | 1.1 | 1.1 |
| Density @ 15 C, kg/l, ASTM D4052 | 0.87 | |
| Density @ 15.6 C, g/ml, ASTM D4052 | | 0.87 |
| Flash Point, °C, ASTM D92 | | 245 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 233 | |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 15.2 | 20.2 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 115.9 | 174.4 |
| Pour Point, °C, ASTM D97 | -33 | -30 |
| Total Base Number, mgKOH/g, ASTM D2896 | 8.5 | 9.0 |
| Viscosity Index, ASTM D2270 | 137 | 135 |

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.as>

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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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