

Star Marine 600

High-Speed Diesel Engine Oil



Product description

Star Marine 600 is a high performance, multigrade, heavy-duty diesel engine oil specifically designed to lubricate a wide range of high-speed diesel engines that require API CH-4 or API CF performance oils.

Customer benefits

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- **Reduces maintenance costs**
Combination of high performance hydrocracked base fluids and specially balanced metallic detergent and ashless dispersant additive system, provides excellent overall engine cleanliness in all service conditions. It also confers the high degree of soot dispersancy required to maintain oil drain intervals in modern engine designs. Exceptional oxidation stability protects against the formation of gums and varnish at elevated temperatures.
- **Prolongs engine life**
High efficiency dispersant combination plus proven metallo-organic anti-wear additive system provides excellent protection against wear of critically loaded components under all operating conditions. Multigrade viscosity provides additional protection against wear at start-up and under high temperature operating conditions.
- **Preserves full power and performance**
Metallic detergent additive system preserves full power and performance by providing excellent upper-ring-belt deposit control under the high temperatures encountered in turbocharged diesel engines.
- **Saves on inventory costs**
Mid-ash, higher dispersancy formulation provides excellent overall performance in mixed fleets of different engine designs, allowing fewer oils to be stored and reducing the chance of problems arising through product misapplication.

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Applications

- High speed diesel engines in coastal and inland marine main powerplant service where SAE 15W-40 viscosity grade oils of API CH-4 or lower performance are required.
- High speed diesel engines in coastal and inland marine auxiliary powerplant service where SAE 15W-40 viscosity grade oils of API CH-4 or lower performance are required.

Approvals, performance and recommendations

Performance standards:

- API CF, CH-4

Service considerations

Star Marine 600 is intended for use in older high-speed diesel engines, typically those operating at 1500 rev/min or above, and burning distillate fuels.

It is not suitable for use in later model engines where oils meeting API CI-4 or higher, or OEM specifications, such as those from Caterpillar and Cummins, are required. Nor is it suitable for use in European engines where ACEA or CCMC classified oils are required, or in Japanese engines where oils meeting JASO DH-1 are required.

Star Marine 600 is not intended for use in medium-speed engines, and in particular it is not suitable for use in engines equipped with active purification systems including centrifuges.

Always follow engine builder service instructions in respect of oil viscosity grade and performance level selection and drain interval.

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Typical test data

| STAR MARINE 600 | |
|----------------------------|---------------|
| SAE Grade | 15W-40 |
| Product Code | 560085 |
| Base No., | |
| D2896, mg KOH/g | 9.5 |
| D4739, mg KOH/g | 9.0 |
| Sulfated Ash, m % | 1.3 |
| Viscosity., | |
| mm ² /s @ 40°C | 115 |
| mm ² /s @ 100°C | 15.1 |
| Viscosity Index | 137 |
| Zinc, m % | 0.15 |

1304

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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