



Star Marine 600

High-Speed Diesel Engine Oil

Product Data Sheet

Customer benefits

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.

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.

Product features:

- 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.

Product specifications

STAR MARINE 600	
KEY PROPERTIES	
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

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:
www.caltex.com.

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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.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered

representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Lubricants
- Asia Pacific