ExxonMobil

Mobilgard™ 450 NC

Specifically formulated oil for use with heavily loaded diesel engines manufactured by EMD

Outstanding lubricating properties

Mobilgard™ 450 NC is a non-zinc and non-chlorine lubricant produced with high-quality basestocks and selected additives. These combine to provide the oil with low consumption characteristics, high-temperature oxidation resistance and thermal stability. Its formulation helps reduce wear in piston rings and cylinder liners and offers good water separation performance.

The lubricant's detergent and dispersant qualities increases filter life and engine cleanliness. Its high alkalinity provides excellent corrosion protection when using fuels containing up to 1.5 per cent sulphur even in the presence of steel, copper, silver and bronze.

EMD engine compliant formulation

Mobilgard 450 NC has been specifically formulated to meet requirements of heavily loaded diesel engines manufactured by EMD used in marine applications. It is also suitable for other high horsepower marine diesel engines using distillate fuels with a sulphur content up to 1.5 per cent. It has been recommended for engines manufactured by Alco, Detroit Diesel (API CF-2) and Fairbanks Morse.

Outstanding BN retention

Mobilgard 450 NC has excellent lubricating properties and provides protection against corrosion, while the absence of chlorine offers easier disposal. The oil also offers outstanding BN retention, low oil consumption and minimized maintenance costs.

When used as recommended, Mobilgard 450 NC:

- Protects against sludge formation
- Offers protection for critical wear surfaces and extends engine life
- Neutralizes acids produced in the combustion process
- Controls carbon deposits and varnish formation which can extend oil and filter life
- Protects silver bearings
- Handles water contamination without additive depletion

For more information on Mobilgard 450 NC, please contact your ExxonMobil Marine Fuels & Lubricants representative or visit **www.exxonmobil.com/marine**