

Mobilgard® 300

Diesel Engine System Oil

Product Description

Mobilgard 300 is a premium quality system oil designed for crosshead diesel engines. High quality paraffinic base oils along with a balanced additive system provide excellent protection even for the severe operating conditions of the latest design, high-output crosshead marine diesel engines. This product has sufficient alkalinity to neutralize any strong acids which may find their way into the crankcase from the combustion of fuel sulfur, and it has enhanced load carrying ability in order to reduce wear in heavily loaded bearings.

Benefits

Mobilgard 300 system oil, when used as recommended in crosshead type diesel engines, provides the following benefits:

- Reduced deposits in piston cooling spaces and crankcase
- Better maintenance of piston cooling efficiency
- Cleaner crankcases and circulation tanks
- Increased protection against bearing corrosion and water
- Good water tolerance and separation

Applications

Mobilgard 300 is recommended primarily for use as system oil in late model, high-output, crosshead diesel engines, especially those engines employing the system oil for piston cooling. It will prevent or reduce deposit formation in the piston cooling spaces, thus maintaining piston cooling efficiency and reducing the incidence of piston top burning and piston crown cracking. It will also prevent or reduce crankcase deposits and will provide outstanding protection for heavily loaded bearings. Its reserve alkalinity allows for the burning of high sulfur fuel. Good rust prevention and water separation characteristics make Mobilgard 300 an excellent system oil in crosshead diesel engines which have water cooled pistons. This oil is also recommended for system use in older crosshead diesel engines where undercrown or crankcase deposits can be a problem with conventional system oils.

Properties

Mobilgard 300 is formulated from high quality paraffinic base oils that have excellent thermal stability and oxidation resistance. These base oil characteristics are augmented with a balanced additive system that includes special high temperature oxidation inhibitors, alkaline detergents, a load carrying component and defoamant. The formulation has maximum antiwear properties, good rust protection in the presence of salt water, and excellent water separation characteristics.

Health and Safety

Based on available toxicological information, this product produces no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin-contact areas with soap and water. Material Safety Data Sheets are available upon request from your Mobil lubricants sales office, or via the Internet on www.mobil.com.

Typical Characteristics	Mobilgard 300
SAE Grade	30
Specific Gravity, 60/60°F	0.894
Flash Point, °C (°F)	229 (445)
Pour Point, °C (°F)	-15 (5)
Viscosity	
cSt, at 40°C	108
cSt, at 100°C	11.8
Viscosity Index	98
Total Base Number	5.3
Sulphated Ash, % wt.	0.73

