

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 provides excellent protection even for the severe operating conditions of the latest design, high-output crosshead marine diesel engines. This product has sufficient alkalinity to neutralise any strong acids which may find their way into the crankcase from the combustion of fuel sulphur, and it has enhanced load carrying ability in order to reduce wear in heavily loaded bearings.

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 anti-wear properties, good rust protection in the presence of salt water, and excellent water separation characteristics.

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

Application

Mobilgard 300, is recommend 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 provide outstanding protection for heavily loaded bearings. Its reserve alkalinity allows for the burning of high sulphur 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.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

	Mobilgard 300
SAE No.	30
Specific Gravity at 15°C	0.894
Flash Point, min. °C	229
Pour Point, max. °C	-15
Viscosity, cSt at 40°C	108
Viscosity, cSt at 100°C	11.8
Viscosity Index	98
Total Base Number	5.3
Sulphated Ash, % wt.	0.73

Due to continual product research and development, the information contained herein is subject to change without notice.

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