

Mobilgard 570

ExxonMobil

Diesel Engine Cylinder Oil

Product Description

Mobilgard 570 by ExxonMobil is a superior quality, extra high performance, marine diesel engine cylinder oil. This bold new approach in cylinder lubricant technology provides maximum protection from adhesive and corrosive wear at the higher operating temperatures and pressures of today's modern crosshead engines. The outstanding performance of Mobilgard 570 has been demonstrated at the highest peak firing pressures and liner temperatures. It employs additives with substantially greater thermal stability and an optimum viscosity of 21 cSt. at 100 C for best lubricant distribution and film retention. Through new

refining technology, this higher viscosity is attained with little or no bright stock. Unique technology at the 70 TBN alkalinity level in Mobilgard 570 has demonstrated superior ring and liner protection and cleanliness under sustained operation with fuel sulphur levels down to 1.5% but in some cases can be used in lower sulphur applications with the approval of the engine manufacturer.

Features & Benefits

Mobilgard 570 cylinder oil offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Excellent thermal and oxidation stability	Reduced deposits and sludge formation Cleaner engine reduces lay-up time required for overhauls
Exceptional antiwear properties	Reduced liner and ring wear Excellent anti-scuffing control
Outstanding detergency capability	Superior piston and liner cleanliness increases combustion efficiency and extends periods between piston overhauls
High TBN level and retention	Wide fuel sulphur capability Minimises the corrosive effect of high sulphur fuel combustion

Applications

Mobilgard 570 has been developed for marine crosshead engines designed for increased power and fuel efficiency. Such engines exhibit higher temperatures and pressures in the cylinder, which reduce the lubricant's viscosity and increase the loads which it must withstand. Longer piston strokes have greatly increased the amount of surface to be protected and the amount of time the lubricant must withstand the severe cylinder temperatures and corrosive sulphur acids. Mobilgard 570 performance has also demonstrated superior protection in earlier engine designs. Applications where the sulphur level is below 1.5% require special consideration and should be discussed with your engine manufacturer.

To ensure achieving the maximum equipment life possible, particular attention should be paid to the manufacturer's special recommendations regarding the running-in of new rings and liners.

Appropriate feed rates should be verified in all cases by through-the-ports inspection of liners for adequate oil film.

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your sales contract office, or via the Internet on <http://www.exxonmobil.com>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Typical Properties	Mobilgard 570
SAE Grade	50
Specific Gravity at 15°C	0.937
Flash Point, °C, ASTM D 92	256
Pour Point, °C, ASTM D 97	-9
Viscosity, ASTM D 445	
cSt, at 40°C	229
cSt, at 100°C	21
Viscosity Index, ASTM D 2270	104
TBN, mg KOH/g, ASTM D 2896	70

Due to continual product research and development, the information contained herein is subject to change without notification. Typical properties may vary slightly.