

ExxonMobil SAE 40 Mobilgard M50

Category : Fluid , Lubricant

Material Notes:

Mobilgard M50 by ExxonMobil is a premium, extra high performance 50 TBN engine oil designed for use in the most severe residual-fuelled medium-speed diesel applications found in marine and stationary power industries. This diesel engine oil has been specially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercrown. It provides excellent high temperature oxidation and thermal stability, low volatility, and high load carrying properties and corrosion protection. Mobilgard M50 is especially recommended for use in the latest medium-speed engines designed with "flame-ring" cylinder liners operating on high sulphur fuels. It is recommended for use in main propulsion and auxiliary engines on deep-sea vessels; in main propulsion engines on coastal and river ships; and in stationary power plants. This new oil is the result of an extensive research and development program, incorporating ExxonMobils patented RFD (Residual Fuel Detection) Test. Mobilgard M50 oil is designed to meet the needs of engines operating on heavy fuel. It is recommended for use in the latest model medium speed diesel engines and is especially beneficial in engines having low crankcase oil consumption or operating with low cylinder liner temperatures. In these engines, oil life and drain intervals have been significantly reduced when using conventional lube oils due to severe TBN depletion resulting from very low lube oil consumption. Relatively high alkalinity reserves in this oil provide superior protection in neutralising the strong acids resulting from the use of high sulphur fuels that find access to the crankcase to promote oil degradation and ring, cylinder, and bearing corrosion. Mobilgard M50 is also recommended for topping-up existing oil charges with a low TBN value to raise them to an acceptable value.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-SAE-40-Mobilgard-M50.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.922 g/cc	0.922 g/cc	15°C
Kinematic Viscosity at 40°C (104°F)	142 cSt	142 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	14 cSt	14 cSt	ASTM D445
Ash	6.5 %	6.5 %	Sulfated Ash, wt%; ASTM D874

Thermal Properties	Metric	English	Comments
Pour Point	-6.00 °C	21.2 °F	ASTM D97
Flash Point	228 °C	442 °F	ASTM D92

Chemical Properties	Metric	English	Comments
Total Base Number	50	50	mgKOH/g; ASTM D2896

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