

ExxonMobil SAE 40 Mobilgard 1 SHC

Category : Fluid , Lubricant

Material Notes:

Mobilgard 1 SHC by ExxonMobil is a supreme performance, synthetic diesel engine oil specifically formulated to address the needs of high power, distillate fueled diesel engines. It provides lubrication including long drain capability and extended engine life for today's marine diesel engines operating in severe applications. The performance capabilities of Mobilgard 1 SHC are the result of extensive cooperative development work with major equipment builders combined with the latest engine lubrication engineering. It is especially effective in extreme temperature applications. A true SAE 40 grade lubricant, on very hot engine parts, it provides stronger lubrication film strength than most SAE 50 engine oils. At low temperatures, it flows like an SAE 20W product and thus provides outstanding start-up reliability and wear protection at extreme low temperatures as low as -54°C. Revolutionary load carrying additives also make Mobilgard 1 SHC an outstanding wide temperature range gear lubricant. Mobilgard 1 SHC is recommended for use as a crankcase lubricant in medium and high speed diesel engines in severe marine service. It is especially suited to the needs of high power concentration engines where thermal stress and loading on the lubricant are severe, as well as for applications involving low-temperature and /or frequent start-up, rapid loading following rapid start-up, and abrupt shutdown after high speed operations. Specific applications include: Military patrol vessels, high speed ferry/passenger vessels, racing boats and luxury yachts; Life and rescue boat engines, emergency generators, auxiliary engines; Marine gearing applications where FZG Level 12 is required; Fully compatible with conventional mineral oils and mineral oil systems; Can be used in confidence in engines containing silver bearing components due to non-zinc formulation

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-SAE-40-Mobilgard-1-SHC.php

Physical Properties	Metric	English	Comments
Density	0.872 g/cc @Temperature 15.0 °C	0.0315 lb/in ³ @Temperature 59.0 °F	ASTM D4052
Viscosity Measurement	136	136	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	109 cSt	109 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	14.5 cSt	14.5 cSt	ASTM D445
Ash	1.6 %	1.6 %	Sulfated Ash, wt%; ASTM D874

Thermal Properties	Metric	English	Comments
Pour Point	-54.0 °C	-65.2 °F	ASTM D97
Flash Point	250 °C	482 °F	ASTM D92

Component Elements Properties	Metric	English	Comments
Chlorine, Cl	<= 0.015 %	<= 0.015 %	

Chemical Properties	Metric	English	Comments
Total Base Number	15	15	mgKOH/g; ASTM D2896

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