



S-OIL MARINE SO 5 Series

DIESEL ENGINE SYSTEM OIL

Product Description

S-OIL Marine SO 5 Series are high quality marine system oil, formulated from solvent-refined paraffin base oils having high thermal stability and resistance to oxidation. These inherent base oil characteristics are augmented by a balanced additive package containing oxidation inhibitors, alkaline detergents, dispersants and antifoam agents. They have been developed specifically for use as system oils in modern high-output cross-head type marine diesel engines. They provide adequate lubrication for bearings and other moving parts, including cams and gears, plus effective cooling of pistons in cross-head engines.

Applications

- S-OIL Marine SO 5 series are a high performance system oil that ensures enhanced cleanliness for two-stroke, crosshead type marine diesel engines operating under severe conditions.

Features and potential benefits

- Clean crankcase and circulation tanks
- Outstanding piston-cooling efficiency.
- Increase protection against gear and bearing load carrying
- Provide improved rust protection.
- Excellent water tolerance and separation
- Superior FZG performance and retention without impact to demulsibility

Performance level

- SAE 30(MAN)
- SAE 20, 40

Typical Properties

SAE Grade				SAE 20	SAE 30	SAE 40
Test Items	Method	Unit	SO 0520	SO 0530	SO 0540	
Specific gravity	ASTM D1298	-	0.8745	0.8783	0.8829	
Viscosity	40°C	ASTM D445	61.25	97.41	139.3	
	100°C	ASTM D445	8.49	11.52	14.53	
Viscosity index	ASTM D2270	-	110	106	103	
Flash point	ASTM D92	°C	241	254	256	
Pour point	ASTM D97	°C	-19	-18	-18	
Sulfated Ash	ASTM D874	wt%	0.75	0.75	0.75	
TBN	ASTM D2896		5	5	5	

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S-OIL MARINE SO
2016.10.04.



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet is obtainable via your commercial adviser.