



# S-OIL MARINE CL 50 Series

## CYLINDER LUBRICANT FOR 2-STROKE LOW SPEED DIESEL ENGINE

### Product Description

S-OIL Marine CL 50 Series are superior, high-alkaline, cross-head engine oils, developed specifically for lubrication of modern, high output cross-head type engines using low Sulphur fuels (under 2.5wt%). S-OIL Marine CL 50 Series are formulated from high-quality base stocks with selected additives to provide optimum oxidation resistance at high temperatures. They also provide high levels of detergency, alkalinity and load-carrying ability to meet the performance requirements of modern cross-head type slow speed two stroke marine diesel engines.

### Applications

- S-OIL Marine CL Series are recommended as a cylinder lubricant for all types of slow speed cross-head two stroke diesel

### Features and potential benefits

- Use strong alkali additives to prevent corrosion wear of the cylinder liners
- High viscosity index maintain a strong film strength at high temperature
- Outstanding detergency capability leads to cleaner piston rings and liners
- Excellent thermal stability can lead to reduced carbon deposits and sludge formation

### Performance level

- SAE 40, 50

### Typical Properties

Test Items	SAE Grade		Unit	SAE 40	SAE 50
	Method	CL 5040		CL 5050	
Specific gravity	ASTM D1298	-	0.9103	0.9167	
Viscosity	ASTM D445	cSt	127.1	209.8	
	ASTM D445	cSt	14.08	19.36	
Viscosity index	ASTM D2270	-	109	105	
Flash point	ASTM D92	°C	264	260	
Pour point	ASTM D97	°C	-27	-28	
TBN	ASTM D2896	-	55	55	

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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.