

PRODUCT DATA SHEET



Athen Marine CYL Oil 50100

Cylinder Lubricant for modern Low-Speed 2-stroke Marine Diesel Engines using High-Sulfur Heavy Fuel Oil (HFO).

Product Description

Athen Marine CYL Oil 50100 is specifically designed for the latest range of modern Low-Speed 2-stroke Marine Diesel Engines using High-Sulfur Heavy Fuel Oil (HFO). It meets the higher performance standards required of CAT II cylinder oils by MAN ES, particularly for piston cleanliness and deposit control.

Features & Benefits

- It has a high acid neutralization capacity, ensuring excellent cylinder protection, and helping to prolong the life of components
- **Low maintenance costs:** Keeps engines clean, minimizes maintenance requirements, and allows periods between overhauls to be extended. Compatible with all normal oil seal materials

Applications

- It is recommended for cylinder lubrication of MAN Mk 8.2 and Mk 9 engines and Wartsila RT-Flex & W-X engines, adjusted to operate inside the power/speed envelope for the engine range and using residual fuels with sulphur contents over 1.5%.
- The feed rates recommended by the manufacturer should be maintained at a minimum. Higher feed rates may be required during running-in.
- Periodic inspection of liner condition and scrape-down analysis is essential to ensure continuous low wear rates. Switching from 70BN to 100BN cylinder oil is recommended where there is evidence of cold corrosion or when using the correct cylinder oil feed rate, the residual BN in the scrape-down oil is continuously lower than the manufacturer's limit (normally a minimum residual of 20BN)

Athen Marine CYL Oil 50100		
Typical Characteristics	SAE Grade	50
	BN	100
Performance Level meets/exceeds	MAN ES and Japan Engine Corporation	
Test Parameters	ASTM Method	Typical Values
Density @ 15°C	D 4052	0.950
Viscosity @ 100°C, cSt	D 445	19.0
Viscosity Index	D 2270	95
Flash Point, °C	D 92	260
Pour Point, °C	D 97	-9
BN, mg KOH/g	D 2896	100

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS"