

PRODUCT DATA SHEET



Athen Marine CYL Oil 50140

Marine Cylinder Oil specially designed to provide effective cylinder lubrication for low-speed two-stroke engines using very high sulphur fuels (HFO).

Product Description

Athen Marine CYL Oil 50140 is specially designed for the latest range of Super Long Stroke Low Speed 2-stroke Marine Diesel Engines using High Sulphur 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 offers outstanding acid neutralizing properties and extra detergency which helps to prolong the life of components and effectively manage lubricating feed rates.
- It has superior deposit control and minimizes deposit build-up on pistons, piston rings, ring grooves, under-piston spaces, and in-cylinder ports. It is formulated to combat all aspects of oil stress

Applications

- Recommended for cylinder lubrication of MAN Mk 8.2 to Mk 9.6 & Mk 10.5 engines and Wartsila RT-Flex & W-X engines, especially for the more severe characteristics of de-rated engines, slow steaming, and using residual fuels with sulphur contents in excess of 3.5%.
- Can be used alternately with lower BN products when using IMO 2020-compliant fuels
- Switching from 85BN or 100BN to 140BN MCL 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 of 20BN)

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Typical Characteristics	SAE Grade	50
	BN	140
Test Parameters	ASTM Method	Typical Values
Density @ 15°C, kg/l	D 1298	0.972
Viscosity @ 100°C, cSt	D 445	19.5
Flash Point, °C	D 92	230
Pour Point, °C	D 97	-9
BN, mg KOH/g	D 2896	140

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'