



MARINA XHP 4030 & 4040

High TBN Crankcase Oil For Residual Fuel Operated Engine

Specification and Approvals

ACEA: E3-96; API CG-4

Meets requirements of MTU Type II engine oil category.

Suitable for ABC, Baudouin, Caterpillar 3600, Deutz, MAN, Mitsubishi, MTU and Wartsila engines.

Description

MOGAS Marina XHP series is a high performance crankcase lubricant for medium-speed trunk-piston engine operating on residual fuel. It is formulated from high quality base oils and additives package to ensure maximum protection and output of the engines. The BN of 40 and high BN retention ensures a high level of detergency needed to cope with the severe pressures and temperatures found in modern trunk-piston engines.

Features and Benefits

- ◆ Ensures a high level of engine and piston cleanliness in all operating conditions.
- ◆ The high Total Base Number (TBN) and superior alkalinity retention enable prolonged oil drain intervals.
- ◆ Very good wear control leading excellent protection against bore polishing and to long engine life
- ◆ Very high resistance to oxidation and good thermal stability.
- ◆ Offers very good corrosion control even with higher sulphur fuel levels.

Applications

Marina XHP oil is designed to meet the needs of engines operating on heavy fuel and can be used in most medium-speed trunk piston engine applications. Marina XHP is designed for conditions of very high oil stress and has been further optimized to improve deposit control. It is recommended for use in main propulsion and auxiliary engines on deep-sea vessels and in stationary power plants.

Typical Properties

Test Parameters		Test Method	XHP4030	XHP4040
Grade	SAE		30	40
Viscosity @ 40°C	mm ² /s	ASTM D 445	103.2	134.5
Viscosity @ 100°C	mm ² /s	ASTM D 445	11.5	14.2
CCS at -20°C	mPas	ASTM D 5293	5110	5115
Viscosity Index		ASTM D 2270	105	105
TBN	mgKOH/g	ASTM D 2896	40	40
Pour Point	°C	ASTM D 97	-21	-18
Flash point (PMCC)	°C	ASTM D 92	206	210
Density @ 15°C	kg/l	ASTM D 4052	0.897	0.915

The typical characteristics mentioned represent mean values

Health and Safety

This product used as per our recommendation for the intended application is not expected to produce any particular risk. A safety data sheet of it is available upon request from our sales contact office or on our website. In case of used oil disposal, please respect the Regulations to protect the environment.