



Product Data

MHP 1-30 and 1-40

Diesel Engine Lubricants

Description

Castrol's MHP 1-30 and 1-40 are high performance lubricants specifically developed for use in modern highly rated marine and power generation four-stroke engines operating on distillate fuels. Available in both SAE 30 and 40 grades, Castrol's MHP range is blended with specially selected additives and base oils to providing your engine with long lasting protection and excellent engine cleanliness.

Application

MHP 1-30 and 1-40 are suitable for use in marine trunk piston engines operating on distillate fuel in accordance with ISO 8217 and requiring API CF type performance.

The formulation is balanced to provide the performance characteristics required for modern medium-speed engines and transmission systems.

Advantages

MHP 1-30 and 1-40 can provide the following advantages:

Long lasting protection and enhanced performance, reducing maintenance and wear.

Formulated with specially selected detergents, with thermal and oxidative stability providing excellent engine cleanliness, and clean piston ring zones.

Load carrying capabilities and gear performance that enable use as a common oil for both engine and transmission systems.

Through rigorous field testing, MHP has obtained approvals from Everllence, Wärtsilä, Daihatsu, MaK, Yanmar, and HHI Himsen.

The MHP range has also has obtained stern tube approvals from Wärtsilä Deep Sea Seals, SKF and Kemel.

Typical Characteristics

Name	Method	Units	MHP 1-30	MHP 1-40
SAE Number			30	40
Viscosity, Kinematic 100°C	ASTM D445	cSt	11.5	14.0
Total Base Number, TBN	ASTM D2896	mg KOH/g	12	12
Density @ 15°C	ASTM D4052	g/mL	0.89	0.90
Flash Point, PMCC	ASTM D93	°C	>200	>200
Pour Point	ASTM D97	°C	-30	-30
FZG Gear Failure Load Stage (A/8.3/90)	DIN 51354	FLS	11	11
Viscosity Index	ASTM D2270		100	98

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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Castrol Marine, Technology Centre, Whitchurch Hill, Pangbourne, Reading RG8 7QR, United Kingdom

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