

PRODUCT & TECHNICAL DATA

CASTROL CYLTECH 40SX Crosshead engine cylinder oil

DESCRIPTION

Cyltech 40SX is a highly detergent, premium marine diesel engine cylinder lubricant for two-stroke crosshead engines running on low-sulphur fuels.

The increasing use of low sulphur fuels, especially for the 'Emission Control Areas' designated by IMO, dictates an increasing demand for a truly high performance low BN (Base Number) cylinder lubricant.

APPLICATIONS

Cyltech 40SX is a 40 BN cylinder lubricant for the following applications:

- Prolonged operation on low-sulphur fuel (distillate or heavy fuel < 1.5% S).
- In-service running-in (distillate or heavy fuel).
- Sea trials and Test bed breaking-in.

In many cases it is suitable for fuels of up to 2-2.5% sulphur; however corrosion sensitive engines should select higher BN oils, especially for prolonged operation at sulphur levels of above 2.7%.

FEATURES/BENEFITS

Cyltech 40SX also has the following benefits:

- Excellent control of piston ring and cylinder liner wear. Superior detergency performance for engine cleanliness.
- Ensures reduced deposits, especially calcium carbonate.
- Higher safety margin against scuffing under prolonged operation on low-sulphur fuel.

In addition to its well proven Cyltech technology, Cyltech 40SX is significantly boosted with Castrol's unique detergent chemistry. It also has a lower ash content than a nominal 70BN oil.

APPROVALS STATUS

Cyltech 40SX meets the exact requirements of MAN B&W for prolonged operation on low sulphur fuel and carries this engine designer's approval.

Cyltech 40SX is approved by Wartsila Switzerland Ltd for use in all their "Sulzer" two stroke engines when operating on fuels of below 1.5% sulphur content.

CARE AND HANDLING

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

PACKAGING AND STORAGE

Supplied in bulk and drums of approximately 210 litres. Ensure drums are tightly re-sealed after use.

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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TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE
Cyltech			40SX
SAE Grade			50
Density @ 15°C	g/ml	ASTM D4052	0.92
Viscosity @ 100°C	cSt	ASTM D445	19.5
Base Number	mgKOH/g	ASTM D2896	40.0
Closed Flash Point	°C	ASTM D93	>190
Pour Point	°C	ASTM D97	-9 or below

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

GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine www.castrolmarine.com
Technology Centre
Whitchurch Hill
Pangbourne
Reading RG8 7QR
United Kingdom

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