



Product Data

Cyltech 40SX

Crosshead engine cylinder oil

Description

Castrol Cyltech 40SX is a Marine diesel engine cylinder lubricant developed with a bespoke detergency system for operation at the higher temperatures and pressures in modern engines, which operate on fuels with Sulphur content of 0.0 - 1.5 %, and LNG.

Application

Cyltech 40SX has been developed with a bespoke detergency system to manage engine cleanliness and reduce deposits. Cyltech 40SX is suitable for prolonged operation on low-sulphur fuel and LNG (distillate or heavy fuel <1.5% sulphur) with appropriately adjusted feed rates. Corrosion sensitive engines should select higher BN oils, especially for operation using fuels with above 1.0% sulphur.

Advantages

- Excellent control of piston ring and cylinder liner wear.
- Bespoke detergency performance for engine cleanliness.
- Reduced deposits, especially calcium carbonate which may result from use of higher BN oils and low sulphur fuel.
- Higher safety margin against bore polishing or scuffing under prolonged operation on low-sulphur fuel, compared with higher BN cylinder oils.

Product Performance Claims

Cyltech 40SX holds NOLs from the following marine engine manufacturers

- Everlence (MAN ES)
- WinGD (Wärtsilä)
- JEC (MHI)

Typical Characteristics

Name	Method	Units	Cyltech 40SX
Viscosity, Kinematic 100°C	ASTM D445	mm ² /s	19.0
Base Number, BN	ASTM D2896	mg KOH/g	40
Density @ 15°C, Relative	ASTM D1298	g/ml	0.918
Flash Point, PMCC	ASTM D93	°C	>190
Pour Point	ASTM D97	°C	-9
SAE Grade			50

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.

Cyltech 40SX
21 May 2026
Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

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

www.castrol.com/marine