

# PRODUCT & TECHNICAL DATA

## CASTROL CYLTECH 40SX Crosshead Engine Cylinder Oil

### DESCRIPTION

Castrol **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 forthcoming 'Emission Control Areas' designated by IMO, dictates an increasing demand for a truly high performance low BN (Base Number) lubricant.

### MANUFACTURERS APPROVALS

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

Castrol **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.

### FEATURES/BENEFITS

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.

Castrol **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

Castrol **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% sulphur; however corrosion sensitive engines should select higher BN oils, especially for prolonged operation at sulphur levels of above 2.7%.

### TECHNICAL DATA

Typical Characteristics	Cyltech 40SX
Density at 15 °C, kg/l	0.920
Viscosity at 100°C, cSt	19.5
SAE Number	50
Base Number	40
Closed Flash Point, °C	> 190
Pour Point, °C	-9 or below

*The above figures are typical of those obtained within normal production tolerances, and do not constitute a specification.*

