

PRODUCT & TECHNICAL DATA

CASTROL CYLTECH 50S Crosshead Engine Cylinder Oil

DESCRIPTION

Castrol **Cyltech 50S** is premium marine diesel engine cylinder lubricant for two-stroke crosshead engines running on low sulphur fuels.

It's Base Number (BN) is carefully levelled (at 50BN) to meet certain customers' requests for improved flexibility when ships switch from low to moderate 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 suitably high performance low BN (Base Number) lubricant.

MANUFACTURERS APPROVALS

Castrol **Cyltech 50S** is produced to meet the requirements of major engine builders.

The subject of low sulphur fuel and expert views are undergoing continuous evolution. It is therefore essential that the recommendations of the relevant engine builder are fully complied with for selecting the appropriate oil grade.

FEATURES/BENEFITS

Related to the well proven Cyltech technology, Castrol **Cyltech 50S**, is a 50 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.

Castrol **Cyltech 50S** 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 u

At a BN of 50 (lower than nominal 70BN oils), it has lower ash, and therefore is by default more tolerant in

engines on high cylinder oil feed-rate which could be sensitive to un-neutralised ash/deposit when on low sulphur fuel.

It's BN is carefully levelled at customers request for increased flexibility at their own discretion should they want their engines to remain on the same oil when changing over from low to moderate sulphur fuel.

Cyltech 50S covers a wider range of fuel sulphur level than a 40BN oil; it is suitable for those operators:

- Demanding a low BN oil for low sulphur fuel operation of below 1.5% sulphur,
- And for operators who may, at their own decision, choose to remain on the same lubricant grade for fuels sulphur of up to ~3; we however recommend that corrosion sensitive engines should select higher BN oil, especially for prolong operation at sulphur levels above ~3.5%.

TECHNICAL DATA

Typical Characteristics

Density at 15 °C, kg/l
Viscosity at 100°C, cSt
SAE Number
Base Number
Closed Flash Point, °C
Pour Point, °C

Cyltech 50S

0.930
19.5
50
50
> 190
-9 or below

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