



# Gulfmar Cyloil LS

*Special cylinder lubricant for marine engines  
using low sulphur heavy fuel oil*

## Product Description

**Gulfmar Cyloil LS** is a superior quality Marine Cylinder Lubricant (MCL) designed for modern low speed crosshead diesel engines operating on low sulphur heavy fuel oils with a sulphur content of maximum 1.5%. This oil is specifically formulated with balanced additive technology to ensure good control of detergency, wear and oxidation at 40 TBN level. Gulfmar Cyloil LS also provides improved protection from adhesive and corrosive wear in modern crosshead engines operating at higher pressures and temperatures.

## Features & Benefits

- Superior thermal and oxidation stability reduces deposit and sludge formation.
- Excellent detergency minimises deposits on critical parts viz. pistons, piston rings, ring grooves and cylinder ports
- Enhanced antiwear property minimises liner and ring wear leading to reduced maintenance costs
- Good compatibility with all normal seal materials
- Reduced ash level helps in avoiding excessive piston top land deposits which may occur when using 70 TBN oils with low sulphur fuels

## Applications

- Cylinder lubrication of the latest, highly rated low speed crosshead marine diesel engines operating on low sulphur heavy fuels with a maximum sulphur content of 1.5%.
- The feed rates recommended by the manufacturer should be maintained as the minimum. Higher feed rates may be required when running new liners and/or rings
- Recommendations of the relevant engine builder must be fully complied while selecting cylinder oil as expert views on low sulphur fuels are still evolving

## Specifications, Approvals & Typical Properties

Gulfmar Cyloil		540
Typical Properties	SAE Grade	50
	TBN	40
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	18.25
Viscosity Index	D 2270	96
Flash Point, °C	D 92	242
Pour Point, °C	D 97	-18
TBN, mg KOH/g	D 2896	40.3
Density @ 15°C, Kg/l	D 1298	0.922
Sulphated Ash, %wt	D 874	5.25

March 2007

Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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