

## PRODUCT DESCRIPTION

**LEAD Marine Cylinder Oil specially formulated for modern Low Speed 2-stroke Marine Diesel Engines using High Sulphur Heavy Fuel Oil (HFO)**

**LEAD Marine Cylinder Lubricant** is a superior quality Marine Cylinder Lubricant (MCL) formulated for modern low speed crosshead diesel engines operating on intermediate or heavy fuels with a high sulphur level. This oil possesses outstanding acid neutralizing capability and provides excellent engine cleanliness and durability.

## APPLICATION

Formulated for diesel engines operating with higher pressures & temperatures and longer strokes. Recommended for cylinder lubrication of the latest, highly rated low speed crosshead marine diesel engines operating on residual fuels with sulphur contents in excess of 1%.

## PROPERTIES

- Minimal piston ring and liner wear
- Maximum cleanliness
- Reduced engine maintenance costs
- Extended periods between overhauls
- Good compatibility with all normal seal materials

## TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	LEAD MARINE CYLINDER LUBRICANT
Viscosity Grade	-	-	50
TBN	-	-	100
Density @ 15°C	ASTM D1298	kg/l	0.95
Viscosity @ 100°C	ASTM D445	cSt	21.4
Viscosity @ 40°C	ASTM D445	cSt	250.7
Viscosity Index (min)	ASTM D2270	-	101.0
Flash Point	ASTM D92	°C	≥ 230
TBN	ASTM D2896	mg KOH/g	100

The values shown above are typical values at the date of publication. Lead Petroleum reserves the right to change these typical values without prior notice

## HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.leadpetroleum.com](http://www.leadpetroleum.com).