



PRODUCT DESCRIPTION

LENOL CL is a range of alkaline marine cylinder lubricants for all low-speed marine two-stroke diesel engines, including low Sulphur applications, highly rated large bore engines and engines running at optimized feed rates.

APPLICATIONS

LENOL CL is a range of high-quality cylinder lubricants for low-speed marine diesel crosshead engines running on residual fuel. The total alkaline content of the cylinder lubricant has to match the Sulphur content of the fuel and it might be necessary to adjust feed rate accordingly. When running at low feed rate or in ultra-low steaming mode, it is essential that the liner and piston ring conditions are inspected on a regular basis. Please refer to the latest OEM recommendations on feed rates, which may vary depending on lubricator technology.

LENOL CL 50 and **LENOL CL 70** are suitable for fuels with Sulphur contents above 0.5% weight.

LENOL CL 100 and **LENOL CL 140** can help to optimize wear rates and operating costs depending on fuel quality and engine design.

ADVANTAGES

- Outstanding thermal and oxidation stability and excellent detergency
 - Excellent deposit control
 - Leads to clean engine parts
 - Allows operation at optimized feed rates
- Excellent anti-wear properties
 - Prevents scuffing
 - Reduces liner and ring wear
 - Allows extended time between overhauls
- Formulations approved by major engine manufacturers

TECHNICAL DATA

Grade Name	Pour point °C	Flash point (COC) °C, min	Viscosity at 100°C cSt	SAE	Base number mgKOH/g
LENOL CL 140	-6	240	20	60	140
LENOL CL 100	-6	240	20	50	100
LENOL CL 70	-6	240	20	50	70
LENOL CL 50	-6	240	20	50	55

HANDLING AND PACKAGING

Compatibility and miscibility with comparable products from other suppliers have been successfully tested by an independent institute, but to benefit from full product performance, the mixing of lubricants should be avoided.

HEALTH AND SAFETY

The information on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. The product is not classified as dangerous according to the Regulation 1272/2008 or the Directives D67/548/EEC and 1999/45/EC. When used as intended, this product does not pose significant health risks.

Last Updated: June 2022

This data sheet and the information given are considered to be accurate to the best of our knowledge. The physical and chemical characteristics are typical values and compliant to specification. Variations in these characteristics may occur. No warranty expressed or implied, is given as to the accuracy or completeness of the information or suitability of the products. LENOL shall not be responsible for any damage or injury resulting from abnormal use of the product. The user will be always responsible to evaluate and use products safely and to comply with all applicable laws and regulations.