

PRODUCT INFORMATION

MCL LS AW (MCL Extra)

Description

MCL LS AW is an alkaline marine cylinder lubricant for all low-speed marine two-stroke diesel engines running on distillate and heavy fuels up to 1.5% Sulphur.

Application

MCL LS AW is suitable for very low (<0.5%S) and ultra-low (<0.1%S) Sulphur distillate fuels as well as heavy fuel oil up to 1.5% Sulphur content.

When running at low feed rate or in ultra-slow 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.

Features/Advantages and Benefits

- 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 for extended time between overhauls

Typical Characteristics

Grade Name	Pour point °C	Flash point (COC) °C, min	Viscosity at 100°C cSt	SAE	Base number mgKOH/g
MCL LS AW	-6	230	19	50	40

Health and Safety

The Safety Data Sheet is available on request and describes the product in terms of safety in use, handling and transport. The product is not classified as dangerous according to the Regulation 1272/2008 or the Directive 1999/45/EC. When used as intended, this product does not pose significant health risks. Repeated exposure may cause skin dryness or cracking. In case of skin contact, immediately wash the affected area with plenty of soap and water. Remove contaminated clothes.

Handling and Packaging

The compatibility and miscibility with comparable products from other suppliers have been tested successfully by an independent institute. In order to benefit from full product performance the mixing of lubricants should be limited to a minimum.

The product is available in bulk and drums of approximately 205 litres.

Further Information

For further information about LLK Marine Rus please contact any representative of LLK Marine Rus or visit our website www.lukoilmarine.com.

LLK Marine Rus

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This data sheet and the information given are considered to be accurate to the best of our knowledge. While the physical and chemical characteristics are typical of current production and compliant to specification of «LLK International», 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. «LLK International» and the distributor 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. Furthermore «LLK International» shall not be liable for any loss or damage resulting from any error or omission in this document.