



marine products

# MCLA



## Description

MCLA is an additive package for marine cylinder lubricants.

## Typical Characteristics

MPID	219858
Density at 15°C, kg/l, ASTM D4052	1.18
Kinematic viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	86.0
Flash Point COC, °C, ASTM D93	200
Base Number, mg KOH/g, ASTM D2896	400

## Recommended Applications

The base number (BN) of the marine cylinder lubricant produced with MCLA should align with the sulphur content of the fuel used. It is important that the additive is mixed with a proper feedstock, to ensure it performs efficiently.

## Performance Benefits

### 1. Wear Protection

Ensures protection against excessive cylinder liner and piston ring wear resulting from the use of bunker fuels containing various levels of sulphur.

### 2. Detergent/Dispersant Properties

Helps to prevent ring sticking and minimizes deposit formation throughout the combustion chamber exhaust areas.

### 3. Good Lubrication Properties

Maintains an oil film under severe, high load conditions, therefore reducing frictional wear and preventing scuffing of liners, pistons and rings.

### 4. Storage Stability

Completely stable at various ambient temperatures and during long-term storage.

### 5. Compatibility

Miscible and compatible with alkaline diesel cylinder lubricants generally known to the international marine trade.



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