



# Marine MCLA 7050

### Description

Marine MCLA 7050 additive is a cylinder oil additive that can be used to blend cylinder oil to different levels of BN (typically from 40 up to 110).

### Typical Test Data

Characteristic	Test method	Result
Density at 15°C, kg/l	ASTM D4052	1.12
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	200
Flash Point COC, °C	ASTM D92	180
Base Number, mg KOH/g	ASTM D2896	312
Sulfated Ash, %wt	ASTM D874	39.2

### Recommended Uses

The base number (BN) of the lubricant blended with Marine MCLA 7050 can be adjusted to best fit the sulphur content of the heavy fuel oil used. It is important that the additive is blended with the proper base oil or correctly purified system oil. Blending on board (BOB) is supported by several OEMs. Marine MCLA 7050 needs to be used in accordance to the OEM guidelines and recommendations.

### Performance Benefits

#### 1. Wear Protection

Ensures protection against excessive cylinder liner and piston ring wear resulting from the use of high sulphur containing heavy fuel oils, thus extending cylinder liner and piston ring.

#### 2. Detergent/Dispersant Properties

Prevents ring sticking and minimizes deposit formation throughout the combustion chamber exhaust areas.

#### 3. Excellent Lubrication Properties

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

#### 4. Storage Stability

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

#### 5. Compatibility

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