

Description

MAXFLUID Cylinder L100 is a premium-performance marine cylinder lubricant developed by MAXFLUID for modern low-speed two-stroke crosshead diesel engines operating on high-sulphur residual fuels. Formulated as an SAE 50 cylinder oil with a Base Number (BN) of 100, it provides an ideal balance of acid neutralization, detergency, wear protection, and engine cleanliness for vessels operating under demanding marine conditions.

Manufactured using highly refined mineral base oils and an advanced additive system, Cylinder L100 offers excellent protection against corrosive wear, piston deposits, liner polishing, and ring scuffing while maintaining reliable lubrication throughout extended operating periods. It is specifically designed for engines requiring enhanced alkalinity when burning heavy fuel oil (HFO).

Performance Features & Benefits

High Acid Neutralization Capacity

The BN 100 formulation effectively neutralizes acidic combustion products generated from high-sulphur residual fuels, reducing corrosive wear and extending cylinder component life.

Superior Engine Cleanliness

Advanced detergent technology minimizes carbon and ash deposits on piston crowns, piston rings, ring grooves, cylinder ports, and under-piston areas, ensuring cleaner engine operation.

Excellent Wear Protection

Provides a durable lubricating film that reduces liner wear, piston ring wear, and scuffing, helping maintain engine reliability under severe operating conditions.

Outstanding Thermal & Oxidation Stability

Resists thermal degradation and oxidation, maintaining lubricant performance during prolonged high-temperature operation.

Extended Equipment Reliability

Supports longer maintenance intervals by reducing deposit formation, minimizing wear, and maintaining effective lubrication throughout the service life of the oil.

Seal Compatibility

Compatible with conventional seal materials commonly used in marine cylinder lubrication systems.

Applications

MAXFLUID Cylinder L100 is recommended for:

- Low-speed two-stroke crosshead marine diesel engines
- Main propulsion engines operating on Heavy Fuel Oil (HFO)
- Engines using high-sulphur residual marine fuels
- Ocean-going cargo vessels, tankers, bulk carriers, and container ships
- Marine engines requiring a BN 100 SAE 50 cylinder lubricant

For optimum performance, always follow the engine manufacturer's recommendations regarding cylinder oil selection and feed rates.

Product Advantages

- BN 100 formulation for high-sulphur fuel operation
- Excellent acid neutralization capability
- Outstanding piston and ring cleanliness
- Superior protection against corrosive wear
- Excellent resistance to scuffing and liner polishing
- High thermal and oxidation stability
- Excellent deposit control
- Compatible with conventional sealing materials
- Helps reduce maintenance costs and extend engine service life

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Cylinder L100
SAE Viscosity Grade	-	-	50
Viscosity Index	minimum	DIN ISO 2909	95
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D445	18.5
Density @ 15°C	kg/m ³	DIN ISO 12185	949
Flash Point	°C minimum	ASTM D93	210
Pour Point	°C minimum	ISO 3016	-6
TBN	mg/KOH/g	ISO 3771	100
Sulphated Ash	% wt	Calculated	12.8

The values shown are typical characteristics and may vary within normal manufacturing tolerances.

Health and Safety

MAXFLUID Cylinder L100 is a high-quality marine cylinder lubricant intended for low-speed two-stroke marine diesel engines. Under normal operating conditions and when handled correctly, the product is not expected to present significant health or safety hazards.

Avoid prolonged or repeated skin contact and prevent contact with eyes. Wear appropriate personal protective equipment (PPE), including protective gloves and safety glasses, when handling the product. Ensure adequate ventilation in enclosed spaces and avoid inhalation of oil mists.

Store in tightly closed containers in a cool, dry, and well-ventilated area away from direct sunlight, excessive heat, and incompatible materials. Prevent spills from entering drains, waterways, or soil.

For detailed information regarding safe handling, storage, transportation, and disposal, refer to the latest Safety Data Sheet (SDS) for MAXFLUID Cylinder L100.