

Description

MAXFLUID Cylinder L40 is a premium-quality marine cylinder lubricant developed by MAXFLUID for the lubrication of low-speed two-stroke crosshead marine diesel engines operating on low-sulphur marine fuels. Formulated as an SAE 50 lubricant with a Base Number (BN) of 40, it provides excellent protection against corrosive wear, deposit formation, and scuffing while maintaining optimum piston cleanliness under modern low-sulphur fuel operating conditions.

Manufactured with highly refined mineral base oils and advanced detergent, dispersant, anti-wear, and alkalinity control additives, Cylinder L40 delivers dependable engine protection, minimizes liner and ring wear, and supports extended maintenance intervals for today's low-speed marine engines.

Performance Features & Benefits

Excellent Acid Neutralization

The balanced BN 40 formulation effectively neutralizes acidic combustion by-products produced when operating on low-sulphur fuels, helping protect cylinder liners and piston rings against corrosive wear.

Outstanding Deposit Control

Advanced detergent technology minimizes deposits on piston crowns, piston ring grooves, cylinder ports, and under-piston areas, promoting cleaner engine operation and improved efficiency.

Superior Wear Protection

Provides a strong lubricating film that helps reduce scuffing, abrasive wear, and liner polishing while protecting pistons, rings, and cylinder liners under demanding operating conditions.

Reduced Maintenance Costs

Excellent cleanliness and wear control contribute to extended component life, reduced maintenance requirements, and longer overhaul intervals.

Reliable Storage Stability

Maintains excellent storage stability under a wide range of onboard environmental conditions, ensuring consistent lubricant performance throughout its service life.

Seal Compatibility

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

Applications

MAXFLUID Cylinder L40 is recommended for:

- Low-speed two-stroke crosshead marine diesel engines
- Engines operating on low-sulphur fuel oil (LSFO)
- Very Low Sulphur Fuel Oil (VLSFO)
- Ultra Low Sulphur Fuel Oil (ULSFO)
- Marine Gas Oil (MGO)
- Marine Diesel Oil (MDO)
- Main propulsion marine diesel engines operating on low-sulphur fuels

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

Product Advantages

- BN 40 formulation optimized for low-sulphur fuel operation
- Excellent acid neutralization performance
- Outstanding piston cleanliness
- Superior protection against corrosive wear
- Excellent resistance to scuffing and liner wear
- Reduced deposit formation
- Long lubricant service life
- Excellent storage stability
- Reliable protection under demanding marine operating conditions
- Helps reduce maintenance costs and extend overhaul intervals

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Cylinder L40
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	915
Flash Point	°C minimum	ASTM D93	210
Pour Point	°C minimum	ISO 3016	-20
TBN	mg/KOH/g	ISO 3771	40
Sulphated Ash	% wt	Calculated	5.2

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

Health and Safety

MAXFLUID Cylinder L40 is a high-quality marine cylinder lubricant formulated for low-speed two-stroke marine diesel engines operating on low-sulphur fuels. Under normal operating conditions and when handled in accordance with recommended practices, 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 sealed 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, please refer to the latest Safety Data Sheet (SDS) for MAXFLUID Cylinder L40.