

Description

MAXFLUID Cylinder L140 is a premium marine cylinder lubricant developed by MAXFLUID for modern low-speed two-stroke crosshead diesel engines operating under the most demanding conditions. Formulated as an SAE 50 cylinder oil with a Base Number (BN) of 140, it provides exceptional protection against corrosive wear, piston deposits, and ring scuffing in engines burning high-sulphur residual fuels.

Manufactured using highly refined mineral base oils and an advanced high-alkalinity additive system, Cylinder L140 delivers outstanding detergency, acid neutralization, and thermal stability. It is particularly suited for engines operating under high oil stress, including slow steaming, prolonged low-load operation, and engines requiring enhanced cylinder protection.

Performance Features & Benefits

Maximum Acid Neutralization

The high BN 140 reserve effectively neutralizes strong combustion acids generated from high-sulphur fuels, significantly reducing corrosive wear of cylinder liners and piston rings.

Advanced Deposit Control

High-performance detergents help prevent carbon deposits on piston crowns, ring grooves, cylinder ports, and under-piston areas, maintaining engine cleanliness and efficient combustion.

Superior Wear and Scuffing Protection

A durable lubricating film provides excellent protection against adhesive wear, scuffing, and liner polishing, extending the service life of critical engine components.

Designed for Severe Operating Conditions

Engineered for engines operating under elevated thermal and mechanical stress, including slow steaming, long-stroke engine designs, and continuous heavy-duty marine service.

Flexible Lubrication Management

Suitable for use as a dedicated high-BN cylinder lubricant or within onboard cylinder oil blending systems where variable alkalinity is required to match changing fuel sulphur levels.

Seal Compatibility

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

Applications

MAXFLUID Cylinder L140 is recommended for:

- Low-speed two-stroke crosshead marine diesel engines
- Engines operating on high-sulphur residual fuel oil (HFO)
- Long-stroke marine engines requiring enhanced cylinder protection
- Slow steaming and variable load operating conditions
- High-output propulsion engines operating under severe oil stress
- Marine engines equipped with onboard cylinder oil blending systems

Always follow the engine manufacturer's recommendations regarding cylinder oil feed rates and lubricant selection.

Product Advantages

- High BN 140 formulation for maximum acid neutralization
- Exceptional detergency and piston cleanliness
- Outstanding protection against corrosive wear
- Excellent resistance to scuffing and liner wear
- Superior thermal and oxidation stability
- Reduced piston and exhaust port deposits
- Optimized for severe marine operating conditions
- Suitable for onboard cylinder oil blending systems
- Helps extend overhaul intervals and reduce maintenance costs

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Cylinder L140
SAE Viscosity Grade	-	-	60
Viscosity Index	minimum	ASTM D2270	95
Density @ 15°C	kg/l	ASTM D4052	0.975
Flash Point	°C minimum	DIN ISO 2592	250
Pour Point	°C minimum	ASTM D97	-6
TBN	mg/KOH/g	ASTM D2896	140
Sulphated Ash	% wt	ASTM D874	16.9

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

Health and Safety

MAXFLUID Cylinder L140 is a high-quality marine cylinder lubricant formulated for low-speed two-stroke marine diesel engines operating under severe service conditions. 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 suitable personal protective equipment (PPE), including protective gloves and safety glasses, during handling. Ensure adequate ventilation where oil mist may be generated.

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, refer to the latest Safety Data Sheet (SDS) for MAXFLUID Cylinder L140.