ALESTA ML 50-70

High Base Number Cylinder Lubricant

REXOIL ALESTA ML 50-70 is a premium quality **marine cylinder lubricant** formulated for the lubrication of **low-speed, two-stroke crosshead diesel engines** operating under modern marine conditions.

Developed using **highly refined base oils** and a carefully balanced **alkaline additive system**, ALESTA ML 50-70 provides effective neutralization of strong acids generated during the combustion of **low sulfur fuel oils**, ensuring optimal protection of cylinder liners and piston rings.

This lubricant is specifically designed for vessels operating in compliance with **IMO 2020 sulfur regulations**, where fuel quality and combustion conditions demand precise control of deposits and corrosive wear.

The product is recommended for use in **slow-speed marine engines** requiring a **70 BN cylinder oil**, particularly in operations where low sulfur fuels are used but sufficient alkalinity is still required to counteract corrosive conditions.

Features and Benefits

- The high alkalinity reserve (TBN 70) provides strong acid neutralization, effectively reducing corrosive wear on cylinder liners and piston rings.
- Excellent detergency and dispersancy keep engine components clean by controlling deposits and suspending combustion residues.
- Optimized deposit control minimizes the formation of hard and soft deposits, reducing the risk of ring sticking and scavenge port blockage.
- Superior film strength ensures reliable lubrication under high load conditions, preventing metal-to-metal contact and reducing wear.
- Strong anti-scuffing performance protects critical engine parts during boundary lubrication and severe operating conditions.
- High thermal and oxidation stability maintains oil performance at elevated temperatures and reduces degradation over time.
- The product supports efficient lubrication at optimized feed rates, helping to lower oil consumption without compromising protection.

Approval and Specifications

WinGD (Wärtsilä); Everllence (MAN ES); Mitsubishi

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	17,3 – 21,8
Density @ 15^{0}C g/ml	ASTM D4052	0,910 - 0,945
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 220
Pour Point, °C	ASTM D97	Max. -6
Total Base Number, mg KOH/g	ASTM D2896	Min.70,0

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
Adres: Birlik Organize Sanayi Bölgesi Doğu Cd. No:19-21 Tuzla – İSTANBUL - TÜRKİYE Tel: +90 216 593 35 70 Fax: +90 216 593 35 78
www.rexoil.com.tr