ALESTA LCD 50-40

Category II Diesel Marine Engine Cylinder Oil

REXOIL ALESTA LCD 50-40 is a high-performance marine cylinder oil developed for the lubrication of low-speed two-stroke crosshead diesel engines operating under modern engine and fuel conditions. Formulated with advanced detergent technology and optimized alkalinity balance, it delivers outstanding cleanliness, deposit control, and wear protection, even when operating with low sulphur fuels and alternative fuels.

Designed to meet the requirements of next-generation engines, **ALESTA LCD 40** provides performance comparable to high BN Category II cylinder oils, despite its moderate Base Number (BN 40). Its advanced formulation supports efficient combustion, minimizes piston and ring deposits, and helps maintain engine reliability under demanding operating conditions.

The product is suitable for engines operating on a wide range of fuels, including very low sulphur fuel oil (VLSFO), ultra-low sulphur fuel oil (ULSFO), LNG, and methanol. It is particularly recommended for modern engine designs and dual-fuel applications, where a single oil strategy is preferred to simplify operations and reduce the need for multiple cylinder oils.

Features and Benefits

- Excellent piston and ring cleanliness with advanced detergent technology.
- Effective acid neutralization (BN 40) to prevent cold corrosion.
- Category II performance level (equivalent) at moderate BN.
- Strong deposit control with minimized ash formation.
- Reliable wear protection for cylinder liners and piston rings.
- High thermal and oxidation stability.
- Enables single oil strategy (no need for multiple cylinder oils).
- Supports reduced feed rate and lower oil consumption.
- Compatible with modern low-speed marine engines.

Approval and Specifications

MAN ES category II

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	17,0 – 21,6
Density @ 15^0C g/ml	ASTM D4052	0,910 - 0,930
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	Max. -15
Total Base Number, mg KOH/g	ASTM D2896	Min. 40,0

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