

Technical Data Sheet

Revision Date: 21.03.2025

PETRONAS SILUB 70 LS50

High Performance 70 TBN Cylinder Oil for Low-Speed Diesel Engines

PETRONAS Silub 70 LS50 is a high-performance cylinder oil specially developed for two-stroke modern crosshead low speed marine diesel engines running heavy fuel with sulfur levels from 1,0% to 2,5%.

Formulated with high quality selected mineral base oils enhanced with anti-wear, detergent/dispersant, antioxidant, anti-rust and anti-foam additives, PETRONAS Silub 70 LS50 oil provides excellent engine cleanliness, especially in crankcase and camshaft areas. High thermal and oxidation stability, wear and corrosion protection operating at higher and pressure found in modern crosshead engines.

Applications

PETRONAS Silub 70 LS50 is recommended for use in:

- Cylinder liner lubrication of two-stroke crosshead low speed marine diesel engines

Features and Benefits

Features	Benefits
High wear protection	High protection against excessive piston rings and cylinder linear wear
High detergency/dispersancy	Provides very good engine cleanliness to reduce maintenance cost
High deposit control	Minimizes deposits in areas such as liner and piston crown. Keeps piston ring area clean enabling piston rings to function efficiently reducing wear and preventing blow by
High thermal and oxidation stability	Maintains lubricant performance levels under high pressure and temperatures to ensure long oil life of piston rings and cylinder liners
High TBN and retention	Maintains a high protection level against corrosion for engines burning sulphur fuels 1,0 to 2,5%

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Typical Properties

Characteristic	Method	SAE 50
Specific Gravity @15°C	ASTM D 4052	0,932
Kinematic Viscosity at 40°C, cSt	ASTM D 445	198,2
Kinematic Viscosity at 100°C, cSt	ASTM D 445	18,52
Viscosity Index	ASTM D 2270	104
Flash Point, °C	ASTM D 92	266
Pour Point, °C	ASTM D 97	-9
TBN, mgKOH/g	ASTM D 2896	70
Sulphated Ash, %wt	ASTM D 874	9,0

All technical data is provided for reference only / SS is available upon request including quality control limits

Approvals

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Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: www.pli-petronas.com.

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