

Alfacylo

100 HS

Product Description

ALFACYLO 100HS, is a high performance cylinder oil of SAE 50 viscosity grade with BN 100, intended for use in slow-speed crosshead marine diesel engines burning high sulphur fuels, specially designed for super long stroke engines and suitable to perform under slow steaming conditions.

ALFACYLO 100HS is manufactured from highly refined mineral base oils and special additive packages thus providing effective protection of the cylinder liners and piston rings.

Performance Features

- Supreme protection against corrosive wear through acid blocking and neutralization of the combustion sulphuric acids along with excellent oxidation resistance and thermal stability
- Excellent detergent and dispersant properties, preventing piston ring sticking and reducing deposit build up, both leading to reduced maintenance cost
- High lubrication properties through the thick oil film and advanced load carrying properties
- Long storage stability, maintaining homogeneity at all ambient temperatures

Application

Newer engines have higher engine pressures and lower cylinder wall temperatures, which, together, can lead to more sulphuric acid condensation and a higher risk of corrosion. A higher BN and a higher viscosity lead to a higher alkalinity reserve on the liner surface and more effectiveness in suspending and neutralizing wear-causing contaminants.

ALFACYLO 100 HS is a premium quality cylinder lubricant, SAE 50 with Base Number 100, which has been specially formulated to address lubricants performance issues identified under the aforementioned conditions, by wielding excellent detergent properties and high alkalinity level, suitable for ultra-low speed, two-stroke marine diesel engines running on residual fuel (HFO).

It helps to optimize the wear rate and reduce operational costs, depending on fuel quality and engine design.

ALFACYLO 100 HS meets the operational recommendations by both Wartsila and MAN Diesel & Turbo, and it also has a Non Objection Letter from MAN Diesel & Turbo.

Typical Properties:

| SAE grade | 50 | Method |
|------------------------------------|-------|-------------|
| Specific gravity at 15°C, Kg/l | 0.949 | ASTM D-4052 |
| Viscosity, Kinematic at 40°C, cSt | 245 | ISO 3104 |
| Viscosity, Kinematic at 100°C, cSt | 18.5 | ISO 3104 |
| Viscosity Index | 95 | ISO 2909 |
| Pour Point, °C | -9 | ISO 3016 |
| Flash Point COC, °C | 227 | ISO 2592 |
| Total Base Number (TBN), mg KOH/g | 100 | ISO 3771 |

Note:

The above information is indicative based on current production and does not constitute a specification. Results can be affected by allowable production tolerances, not affecting performance.