



Application

Lazio-oil C500S SAE 40 is a cutting-edge lubricant developed to meet the demanding lubrication needs of 4-stroke Diesel engines in marine and industrial sectors. Formulated to handle high-sulfur fuels and challenging operating conditions, this high-performance oil offers exceptional "anti-black sludge" properties to protect engine components and ensure reliable performance.

- Lazio-oil C500S SAE 40 is formulated with powerful detergent and dispersant properties that effectively prevent the formation of sludge, lacquer, and carbon deposits on high-temperature areas of pistons and in piston grooves, helping to avoid ring sticking and maintain engine cleanliness.

- Its robust neutralizing action combats corrosive wear caused by acidic byproducts from the combustion of high-sulfur fuel, making it especially valuable in operating conditions with low cylinder wall temperatures (which promote acid condensation) and for engines with low oil consumption.

- The lubricant's antiwear properties ensure optimal lubrication even for critical components, such as the final reduction gears of main engines, enhancing durability and performance.

- Lazio-oil C500S SAE 40 has excellent demulsifying properties, allowing easy separation of water contaminants through centrifugal action, keeping the oil clean and ensuring smooth engine operation.

Specifications

- API CF

Characteristics

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m3	923
Viscosity at 100°C	ASTM D 445	mm2/s	14.8
Viscosity at 40°C	ASTM D 445	mm2/s	142
Viscosity Index	ASTM D 2270	-	104
Flash point COC	ASTM D 92	°C	252
Pour point	ASTM D 97	°C	-9
TBN	ASTM D 2896	mg KOH/g	50