



APPLICATIONS

Eni CLADIUM 400 S SAE 30 is a lubricant of the latest generation, developed for 4-stroke Diesel engines in marine and industrial sectors which, owing to the operating conditions and the high sulfur content of the fuel, require a high performance lubricant with 'anti black sludge' properties.

CUSTOMER ADVANTAGES

- **Eni CLADIUM 400 S SAE 30** has dispersant and detergent properties, which allow prevent the formation of sludge, lacquer and carbon deposits on the pistons and in the grooves, this aspect allows to avoid ring sticking.
- The product is able to supply a strong neutralizing action against the corrosive wear due to the acidic products generated by the condensation of the combustion gases of high-sulfur fuel oil. This property is especially useful in those operating conditions when the cylinder wall temperature is low (promoting the condensation of acidic products), and in those engines with a low oil consumption.
- The additives of **Eni CLADIUM 400 S SAE 30** gives antiwear characteristics capable of ensuring the correct lubrication also for the final reduction gears of the main engines.
- The antifoam properties of **Eni CLADIUM 400 S SAE 30** are able to reduce the formation of air bubbles. Its demulsive characteristics allows an easy separation of water by centrifugation.
- The characteristics of the product are especially relevant for those modern engines with a low oil consumption. In this cases the oil renewal due to topping up is reduced and greater stress on the lubricant is induced.

SPECIFICATIONS - APPROVALS

- API CF





CHARACTERISTICS

Properties	Method	Unit	Typical
Density at 15°C	ASTM D 4052	kg/m ³	913
Viscosity at 100°C	ASTM D 445	mm ² /s	11.3
Viscosity at 40°C	ASTM D 445	mm ² /s	96
Viscosity Index	ASTM D 2270	-	104
Flash point (COC)	ASTM D 92	°C	210
Pour point	ASTM D 97	°C	-9
B. N.	ASTM D 2896	mg KOH/g	40

