



eni CLADIUM 50

eni CLADIUM 50 is a detergent marine lubricant formulated from an additive-treated high-quality base stock. It is suitable for use as crankcase oil in large crosshead engines with oil-cooled pistons. It can also be used as a stern tube lubricant.

CHARACTERISTICS (TYPICAL FIGURES)

eni CLADIUM 50

SAE Grade		30
Mass Density at 15 °C	kg/m ³	895
Viscosity at 100 °C	mm ² /s	12
Viscosity at 40 °C	mm ² /s	115
Viscosity Index	-	98
Flash Point	°C	268
Pour Point	°C	-21
BN (ASTM D 2896)	mg KOH/g	5

PROPERTIES AND PERFORMANCE

- **eni CLADIUM 50** is extremely stable, particularly resistant to thermal cracking and oxidation, and has high detergent properties. These effectively prevent the formation of carbon, lacquer and deposits in the hottest parts of the pistons of crosshead engines and in the crankcase, thus preserving the cooling efficiency of the circuit.
- Its antiacid and antirust properties efficiently combat the corrosive effects of moisture and salinity.
- Its antiwear properties ensure long life of engine parts, thus reducing servicing and overhaul requirements.
- Its antifoam properties minimize the formation of air bubbles which could adversely affect lubricant film continuity.
- Its demulsibility properties permit the separation by centrifuging of any water accidentally entering the engine.

APPROVALS

eni CLADIUM 50 has been officially approved as system oil by:

- MAN Diesel and Turbo (formerly MAN B&W)
- Winterthur Gas and Diesel (formerly NEW SULZER DIESEL)