Technical Data Sheet

CEON **LUBEN FS 330**

Marine Trunk Piston Engine Oil specially designed for modern Medium Speed 4-stroke Marine Diesel Engines running on Intermediate Fuel Oil (IFO) or Heavy Fuel Oil (HFO)

PRODUCT DESCRIPTION

LUBEN FS Series is a trunk piston engine oil designed for use in medium speed diesel engines operating on residual fuels in marine, power generation and industrial applications. The superior additive technology used in this oil provides excellent engine cleanliness & wear protection under different operating conditions. This oil is available in SAE 30 & 40 viscosity grades with a BN (Base Number) 30 KOH/g. These oils exhibit a high degree of water tolerance and have better water separation and base retention properties. These oils meet the performance requirements of API CF.

FEATURES & BENEFITS

- Excellent detergency and dispersancy reduces build-up of soot & black sludge and keeps the engine cleaner.
- Acidic by-products are effectively neutralised and the engine is protected from corrosive wear.
- Better demulsibility characteristics ensure water separation leading to trouble free operation.
- Robust anti-wear technology provides protection against piston & linear wear and good gear performance leading to reduction in maintenance costs.
- Improved thermo-oxidative stability retards oil degradation facilitating extended oil life.

APPLICATIONS

- Recommended for medium speed diesel engines in marine, power generation and industrial applications operating on residual fuels.

- LUBEN FS 330 & LUBEN FS 430 with a BN of 30 are suitable for engines operating on residual fuels having sulphur content up to 3.5 %

- Also recommended for general lubrication of shipboard equipment where specialised lubricants are not required or use of API CF quality oils are adequate

TYPICAL PROPERTIES

LUBEN FS SERIES		330	430
Test Parameters	ASTM Method	Typical Values	
Viscosity @ 100°C, cSt	D 445	11.1	14.5
Viscosity Index	D 2270	103	100
Flash Point, °C	D 92	>215	>215
Pour Point, °C	D 97	-18	-18
BN, mg KOH/g	D 2896	30	30
Density @ 15 °C, kg/l	D 1298	0.899	0.905

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