

# CEON LUBEN FS 415



Trunk piston engine oil for medium speed diesel engines operating on distillate fuel, Very Low Sulphur Fuel (VLSFO) <0.5% Sulphur Content and Ultra Low Sulphur Fuel (ULSFO) <0.1% Sulphur Content.

## PRODUCT DESCRIPTION

**LUBEN FS** series are trunk piston engine oil designed for use in medium speed diesel engines operating on distillate fuels and Very Low Sulphur Fuels (VLSFO) having sulphur contents <0.5 %. The modern additive technology used in this oil provides superior engine cleanliness & protection. This oil is available in SAE 30 & SAE 40 viscosity grades with a BN (Base Number) 15 KOH/g . These oils exhibit a high degree of water tolerance and meet the performance requirements of API CF.

## FEATURES & BENEFITS

- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimises engine wear and reduces maintenance costs.
- Excellent thermo-oxidative stability retards oil degradation and controls its viscosity.
- Reserve BN ensures protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water separation leading to trouble free operation.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.

## APPLICATIONS

- Recommended for medium speed engines used in marine, power generation and industrial applications operating on distillate fuel, Very Low Sulphur Fuel (VLSFO) having sulphur contents <0.5% and Ultra Low Sulphur Fuel (ULSFO) having Sulphur content less than 0.1%. This product is also suitable for older engines where liner-lacquer is not a potential problem.
- Oils of appropriate BN to be chosen based on the sulphur content of fuel used. Follow manufacturers' recommendation for selection of suitable BN level/ viscosity grade.
- 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		312	412	315	415	320	420
Test Parameters	ASTM Method	Typical Values					
Viscosity @ 100°C, cSt	D 445	10.9	14.5	11.1	14.3	11.1	14.5
Viscosity Index	D 2270	99	98	99	98	100	98
Flash Point, °C	D 92	>215	>215	>215	>215	>215	>215
Pour Point, °C	D 97	-18	-18	-18	-18	-18	-18
BN, mg KOH/g	D 2896	12	12	15	15	20	20
Density @ 15 °C, kg/l	D 1298	0.889	0.896	0.891	0.897	0.894	0.900

