

PRODUCT DATA SHEET



Athen Marine MSDO BN12 Series

Athen Marine TPEO is a premium lubricating oil for medium-speed diesel engines.

Product Description

Athen Marine MSDO BN 12 series is a Trunk piston engine oil for medium speed diesel engines operating on distillate fuel, Very Low Sulphur Fuel (VLSFO) <0.5% and Ultra Low Sulphur Fuel (ULSFO) <0.1%. This oil is available in SAE 30 & SAE 40 viscosity grades with a BN (Base Number) of 12. These oils exhibit a high degree of water tolerance and meet the performance requirements of API CF.

Features & Benefits

- ➔ Superior detergency, improved anti-wear property, and Excellent thermo-oxidative stability
- ➔ Reserve BN ensures the protection of engine parts, and Better Demulsibility characteristics ensure water separation
- ➔ Special rust & corrosion inhibitors prevent corrosion

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 of <0.5% and Ultra Low Sulphur Fuel (ULSFO) having Sulphur content <0.1%.
- ➔ Oils of appropriate BN are to be chosen based on the sulfur content of the fuel used.

Athen Marine MSDO		3012	4012
Typical Characteristics	SAE Grade	30	40
	BN	12	
Performance Meets/exceeds		API CF	API CF
Test Parameters	ASTM Method	Typical Values	
Density @ 15 °C, kg/l	D 1298	0.889	0.896
Viscosity @ 100°C, cSt	D 445	11	14.5
Viscosity Index	D 2270	100	100
Flash Point, °C	D 92	>215	>215
Pour Point, °C	D 97	-15	-15
BN, mg KOH/g	D 2896	12	12

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS"