



### Marine Diesel Engine Oil (SAE 40)

Divyol Marine Oil grades MOE 412 is lower alkaline reserve trunk piston engine oil (TPEO). Divyol Marine Oil is designed for used in medium speed trunk piston engines burning distillate fuels with sulfur content up to 1.5% in marine or stationary service.

#### Customer Benefits:-

- The detergent/dispersant additive system provides control of high temperature deposits in areas such as the under crown of the piston and the piston ring belt area, enabling piston rings to function efficiently.
- Base number (BN) level and superior alkalinity retention characteristics maintain sufficiently high BN under all service conditions to ensure corrosive acids formed by the combustion of fuel sulfur are effectively neutralized, thereby minimizing liner wear.
- Excellent demulsibility characteristics enable water to be centrifuged out with essentially no loss of additive.

#### Application :-

- Medium-speed trunk piston engines in stationary power generation.
- Medium-speed trunk piston engines (marine service)
- Engine reduction gear
- Turbo charger
- Stern tube.

#### Typical Specifications of Divyol Marine Grades MDE 412:-

Characteristics	Test Methods	DIVYOL MDE 412
Appearance	Visual	Bright & Clear
Kinematic Viscosity @ 100 °C cSt	ASTM D - 445	12.5 - 16.5
Viscosity Index Min.	ASTM D - 2270	100
Flash Point COC °C Min.	ASTM D - 92	230
Pour Point °C Max.	ASTM D - 97	-15
TBN, Mg/KOH/gm Min.	ASTM D - 2896	12.5
Sulphated Ash% mass Max.	ASTM D - 874	1.4

(Revision # 01 dated 19th June,2018)

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QMS 9001:2015, EMS 14001:2015, OHSAS 18001:2007, NABL Accreditation, GMP Certified and Government Recognised Three Star Export House

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