

## DIVYOL MARINE ENGINE OILS (SAE 30) MDE 310 / MDE 312

**Applications:**

Divyol Marine Engine Oils (SAE 30) are specially formulated trunk piston engine oils (TPEO). These oil blends possess lower to medium alkaline reserve (Base Number) and are designed for use in medium speed trunk piston engines burning distillate fuels with sulphur content up to 1% in marine or stationary service. They are also used in engine reduction gears.

**Standards:**

Divyol Marine Engine Oils conform to API CF performance standards.

**Advantages:**

Divyol Marine Engine Oils' blend includes select detergent / dispersant additives which ensure consistent performance even in high temperatures. It helps prevent deposits in areas such as the under crown of the piston and the piston ring belt area, enabling piston rings to function efficiently. Due to its superior alkalinity retention, sufficiently high BN is maintained under all service conditions to ensure corrosive acids formed by the combustion of fuel sulphur are effectively neutralized, thereby minimizing liner wear. Its excellent demulsibility enables centrifuging of water with no loss of additive.

**Typical properties:**

Sr. No.	Characteristics	Test Method	Divyol Marine Engine Oils	
			MDE 310	MDE 312
1	Appearance	Visual	Bright and clear	Bright and clear
2	Kinematic viscosity at 100 °C, cSt	ASTM D 445	9.3 – 12.5	9.5 – 12
3	Viscosity index, min.	ASTM D 2270	95	95
4	Flash point, °C, min.	ASTM D 92	210	220
5	Pour point, °C, max.	ASTM D 97	-9	≤-12
6	Sulphated ash	ASTM 874	3.65	3.65
7	TBN (Total Base No), mg KOH/g	ASTM D 2896	10	12.5

The above properties are typical values and do not constitute specification of the product.

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