

DIVYOL MARINE ENGINE OILS (SAE 40) MDE 440 / MDE 450 / MDE 455

Applications:

Divyol Marine Engine Oils MDE 440, 450 and 455 are higher alkaline reserve (Base Number) trunk piston engine oils (TPEO). These are designed for use in medium to slow speed trunk piston engines burning distillate fuels with sulphur content up to 1% in marine or stationary power generation. They are also used in engine reduction gears.

Standards:

Divyol Marine Engine Oils MDE 440, 450 and 455 conform to API CF specifications.

Advantages:

These TPEO blends include 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 440	MDE 450	MDE 455
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear
2	Kinematic viscosity at 100 °C, cSt	ASTM D 445	14.5 – 16.5	14.5 – 16.5	14.5 – 16.5
3	Viscosity index, min.	ASTM D 2270	95	95	95
4	Flash point, °C, min.	ASTM D 92	240	240	240
5	Pour point, °C, max.	ASTM D 97	<-18	<-18	<-20
6	Sulphated ash	ASTM 874	4.76	6.5	6.57
7	TBN (Total Base No), mg KOH/g	ASTM D 2896	40	50	55

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

Disclaimer: Gandhar makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the product for the application contemplated by the users is solely their responsibility.