

## HD Marine TP 5540

Description HD Marine TP 5540. This Trunk Piston Engine Oil (TPEO) for marine applications, based on top quality mineral base oils and outstanding additives (validated by OEMs), is able to:

- neutralize acids to prevent corrosive wear
- handle contaminations (like asphaltene), prevent deposit formation and control sludge by keeping contaminants suspended
- resist thermal and oxidative stress
- handle contamination with water
- provide sufficient load carrying capacity to protect engine parts under high load.

Application This TPEO is a recirculating lubricant used to lubricate medium-speed 4-stroke trunk piston engines, in propulsion engines, auxiliary engines and in power generation. Suitable for the latest and older engine types, of the Major OEMs and others. Recommended for engines operating on heavy fuel oil (HFO) or in LNG/HFO dual fuel mode.

Specifications Performance level:  
API CF  
Wärtsilä  
MAN  
MaK  
Yanmar  
Daihatsu  
HiMSEN  
FZG load stage: 10

Typicals

Density at 15 °C, kg/l	0,920
Viscosity 40 °C, mm <sup>2</sup> /s	137,00
Viscosity 100 °C, mm <sup>2</sup> /s	14,70
Viscosity Index	107
Flash Point COC, °C	256
Pour Point, °C	-12
Total Base Number, mgKOH/g	56,4
Sulphate Ash, %	6,96
SAE	40