

## **HD Marine TP 3040**

### **Description**

HD Marine TP 3040. 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: 11

### **Typicals**

Density at 15 °C, kg/l	0,900
Viscosity 40 °C, mm <sup>2</sup> /s	142,00
Viscosity 100 °C, mm <sup>2</sup> /s	14,40
Viscosity Index	100
Flash Point COC, °C	256
Pour Point, °C	-15
Total Base Number, mgKOH/g	30,7
Sulphate Ash, %	3,80
SAE	40