

## HD Marine TP 2040

<u>Description</u>	HD Marine TP 2040. 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.																		
<u>Application</u>	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 distillate fuel, heavy fuel oil (HFO) or in LNG/HFO dual fuel mode.																		
<u>Specifications</u>	Performance level: API CF Wärtsilä MAN MaK Yanmar Daihatsu HiMSEN FZG load stage: 11																		
<u>Typicals</u>	<table border="1"><tr><td>Density at 15 °C, kg/l</td><td>0,900</td></tr><tr><td>Viscosity 40 °C, mm<sup>2</sup>/s</td><td>144,00</td></tr><tr><td>Viscosity 100 °C, mm<sup>2</sup>/s</td><td>14,40</td></tr><tr><td>Viscosity Index</td><td>98</td></tr><tr><td>Flash Point COC, °C</td><td>262</td></tr><tr><td>Pour Point, °C</td><td>-15</td></tr><tr><td>Total Base Number, mgKOH/g</td><td>20,2</td></tr><tr><td>Sulphate Ash, %</td><td>2,53</td></tr><tr><td>SAE</td><td>40</td></tr></table>	Density at 15 °C, kg/l	0,900	Viscosity 40 °C, mm <sup>2</sup> /s	144,00	Viscosity 100 °C, mm <sup>2</sup> /s	14,40	Viscosity Index	98	Flash Point COC, °C	262	Pour Point, °C	-15	Total Base Number, mgKOH/g	20,2	Sulphate Ash, %	2,53	SAE	40
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