

## HANSA POWER 412

### Trunk Piston Engine Oil

#### Product Description:

HANSA POWER 412 is a high quality marine diesel engine oil, developed for high output, medium speed trunk piston diesel engines, running on distillate or light residual fuel with a sulphur content of maximum 1.5%.

HANSA POWER 412 oil is formulated with high quality paraffinic base stocks and selected additives that provide excellent detergent, dispersant, antiwear and oxidation resistant properties.

HANSA POWER 412 has very good oxidation stability, excellent dispersant and detergent ability and neutralisation of combustion acids, formed when burning diesel fuel. HANSA POWER 412 offers good anti wear properties, superior demulsibility and protection against bearing corrosion, has good anti-foam properties and good protection against 'bore-polishing' and lacquering.

HANSA POWER 412 is recommended for all high output, medium speed trunk piston marine diesel engines and in certain reduction gear systems where this type of lubricant is specified by the equipment manufacturer.

<b>Specifications:</b>		
Exceeds: API CF		
<b>Property:</b>	<b>Test Method:</b>	<b>Typical Values:</b>
SAE Viscosity Grade	SAE J300	40
Density @ 15°C	ASTM D4052	902 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042	145 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042	15.5 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	95
Flash Point	ASTM D92	220°C
Pour Point	ASTM D97	-18°C
TBN	ASTM D2896	12 mgKOH/g
Sulfated Ash	ASTM D874	1.6 wt%