

## HANSA POWER 412

### Marine Trunk Piston Engine oil

**HANSA POWER 412** is a premium quality trunk piston engine oil designed for use in the modern medium speed diesel engines operating on distillate fuels.

**HANSA POWER 412** is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Superior detergency ensures piston and crankcase cleanliness
- Improved anti-wear property minimizes engine wear
- Excellent thermo-oxidative stability
- Protection of engine parts against corrosive combustion products
- Better demulsibility characteristics ensure water
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment
- Excellent dispersancy and detergency properties
- Good protection against "Bore Polishing" and lacquering

**HANSA POWER 412** meets the following performance criteria:

API CF

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	40
Density @15°C	kg/m <sup>3</sup>	ASTM 4052	897
Kinematic Viscosity @ 40°C	mm <sup>2</sup> /s	ASTM D7042	144
Kinematic Viscosity @ 100°C	mm <sup>2</sup> /s	ASTM D7042	14.3
Viscosity Index		ASTM D2270	97
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-12
Total Base Number	mgKOH/g	ASTM D2896	12.3
Sulphated Ash	%Wt	ASTM D874	1.6
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