

## HANSA MULTI POWER 15W-40

### Marine Trunk Piston Engine oil

**HANSA MULTI POWER 15W-40** is a premium quality marine engine oil developed to meet the performance requirements of modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel.

**HANSA MULTI POWER 15W-40** is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

**HANSA MULTI POWER 15W-40** meets the following performance criteria:

API CI-4	API SL/CF	ACEA E7	DDC 93K215
MB 228.3	MAN M 3275	Volvo VDS-3	MTU Type 2
Global DHD-1	JASO DH-1	Cat ECF-1a	CAT ECF-2
Deutz DQC-III	Cummins CES 20077, 20078		

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15 °C	kg/m <sup>3</sup>	ASTM 4052	881
Kinematic Viscosity @ 40 °C	mm <sup>2</sup> /s	ASTM D7042	103
Kinematic Viscosity @ 100 °C	mm <sup>2</sup> /s	ASTM D7042	14.1
Viscosity Index		ASTM D2270	138
Viscosity CCS @ -20 °C, max.	cP	ASTM D5293	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-37
Total Base Number	mgKOH/g	ASTM D2896	11.4
Sulphated Ash	%Wt	ASTM D874	1.5
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