

## **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:

DTFR 15B110 (MB 228.3)

Mack EO-N

API CI-4/ SL

Caterpillar ECF-1a

Deutz DQC-III

ACEA E7

MOUVO VDS-3

Renault RLD-2

ACEA E7

MB 228.1

Global DHD-1

JASO DH-1

DDC 93K215

Cummins CES 20077/20078

## **Typical Analysis**

Properties	Unit	Method		Typical Value
SAE Grade		SAE J300		15W-40
Density @15°C	kg/m³	ASTM 4052		886.3
Kinematic Viscosity @ 40°C	mm²/s	ASTM D7042		102.0
Kinematic Viscosity @ 100°C	mm <sup>2</sup> /s	ASTM D7042		13.9
Viscosity Index		ASTM D227	<b>'</b> 0	138
Viscosity CCS @ -20°C, max.	сР	ASTM D529	3	6200
Flash Point COC	°C	ASTM D92		>201
Pour Point	°C	ASTM D7346		-30
Total Base Number	mgKOH/g	ASTM D2896		11.4
Sulphated Ash	%Wt	ASTM D874		1.5
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