

## HANSA MULTI POWER 15W 40

### Heavy Duty Diesel Engine Oil

#### Product Description:

HANSA MULTI POWER 15W-40 is a mineral based marine engine oil providing good performance in high output , high speed, turbo charged engines operating under severe conditions. HANSA MULTI POWER 15W-40 has been formulated with carefully selected additives in mineral base stocks, to provide excellent detergency, dispersancy and anti wear performance.

HANSA MULTI POWER 15W-40 has excellent thermo-oxidative stability, controlling deposits and viscosity increase. Excellent soot handling controls soot induced oil thickening and effectively prevents wear.

HANSA MULTI POWER 15W-40 reduces piston deposits, protects against "Bore Polishing", reduces oil consumption and allows extended drain intervals.

HANSA MULTI POWER 15W-40 is recommended for turbo charged and naturally aspirated diesel engines such as used on board ships and can also be used in marine transmissions requiring an oil with Allison C-4 specifications.

#### Specifications:

Exceeds: API CG-4/CF, MB 228.3, MAN 271, Volvo VDS, MTU Type 2, Mack EO-L

Property:	Test Method:	Typical Values:
SAE Viscosity Grade	SAE J300	15W-40
Density @ 15°C	ASTM D4052	894 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D7042	108 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042	14.7 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	130
Flash Point	ASTM D92	230°C
Pour Point	ASTM D97	-27°C
TBN	ASTM D2896	10.5 mgKOH/g
Sulfated Ash	ASTM D874	1.5 wt%