



## Marine Oil MGHP 15W-40

Product Code: 77480

Marine Diesel Engine Oil

**Marine Oil MGHP 15W-40** is an extra high performance universal engine oil designed for modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel. Suitable for use in engines equipped with EGR and/or SCR. This product is not suitable for engines equipped with DPF filters.

**Marine Oil MGHP 15W-40** is formulated with high refined solvent mineral 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.

**Marine Oil MGHP 15W-40** meets the following performance criteria:

DTFR 15B110 (MB 228.3)

Mack EO-N

MTU Type 2

Caterpillar ECF-1a

Deutz DQC-III

Cummins CES 20077/20078

Volvo VDS-3

API CI-4/ SL

Caterpillar ECF-2

Global DHD-1

MAN M 3275

Renault RLD-2

ACEA E7

MB 228.1

JASO DH-1

DDC 93K215

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	886.3
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	102.0
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	13.9
Viscosity Index		ASTM D2270	138
Viscosity CCS @-20°	cP	ASTM D5293	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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