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## - Certificate / ProductInformation -

### RAVENOL Outboardoel 4T SAE 15W-40

Art. 1153205

#### Description:

**RAVENOL Outboardoel 4T SAE 15W-40** is a mineral-based, blue coloured low ash engine oil, specially formulated for use in 4 -stroke outboard marine engines.

**RAVENOL Outboardoel 4T SAE 15W-40** provides high levels of wear protection and excellent corrosion resistance.

**RAVENOL Outboardoel 4T SAE 15W-40** is approved and meets the requirements of the National Marine Manufacturers Association NMMA FC-W@.

#### Application:

**RAVENOL Outboardoel 4T SAE 15W-40** is recommended for "FC-W" Fluids in all outboard engines. It can also be used for engines operating in seawater.

**RAVENOL Outboardoel 4T SAE 15W-40** meets the requirements from Yamaha 115 General Performance Engine Test for 4-stroke outboard motors.

Follow the manufacturer's recommendations.

#### Quality classification:

**RAVENOL Outboardoel 4T SAE 15W-40** is approved, tried and tested for aggregates specifying::

Approval: NMMA FC-W@, FB-83138

Mercury Verado, Yamaha, Suzuki, Honda, Johnson/Evinrude, Tohatsu/Nissan

#### Technical characteristics:

**RAVENOL Outboardoel 4T SAE 15W-40** offers:

- Exceptional corrosion protection in all oil-wetted engine parts
- Immediate and homogeneous mixing with the fuel used (including lead-free)
- An adhesive, pressure-and temperature-resistant oil film
- A very high wear, oxidation and corrosion protection
- A strong detergency and clean burning with no deposits

#### Technical values:

Characteristics		unit	data	test according to
<b>Colour</b>			blue	
<b>Density</b>	at 20°C	g/ml	0,870	EN ISO 12185
<b>Viscosity</b>	at 40°C	mm <sup>2</sup> /s	103,1	DIN 51 562
	at 100°C	mm <sup>2</sup> /s	15,1	DIN 51 562
<b>Viscosity index</b>			154	DIN ISO 2909
<b>Pour point</b>		°C	- 30	DIN ISO 3016
<b>TBN</b>		mg KOH/g	7,5	DIN ISO 3771

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

12.07.13