



## RAVENOL Outboardoel 4T SAE 10W-30



ART.-NR. 1153203

1 L | 1153203-001  
4 L | 1153203-004  
10 L | 1153203-010  
20 L | 1153203-020  
20 L | 1153203-B20  
60 L | 1153203-060  
60 L | 1153203-D60  
1000 L | 1153203-700

**VISCOSITY** 10W-30

**FABRICATION** SEMI-SYNTHETIC

**APPROVALS** NATIONAL MARINE MANUFACTURERS ASSOCIATION  
NMMA FC-W (CAT)<sup>®</sup> FC-51534X

**RAVENOL Outboardoel 4T SAE 10W-30** is a semi-synthetic engine oil with a special formulation for 4-stroke outboard engines with injection according to NMMA FC-W and NMMA FC-W (CAT).

**RAVENOL Outboardoel 4T SAE 10W-30** offers perfect lubrication and wear protection through special low-ash additives and excellent corrosion protection.

**RAVENOL Outboardoel 4T SAE 10W-30** is blue colored high performance 4-stroke motor oil.

**RAVENOL Outboardoel 4T SAE 10W-30** is released and thus meets the requirements of the National Marine Manufacturers Association NMMA FC-W (CAT) for use in engines with catalysts.

## Application Notes

**RAVENOL Outboardoel 4T SAE 10W-30** can be used in all outboard motors according to the engine manufacturer's specifications, for which oil is recommended according to FC-W and FC-W (CAT).

**RAVENOL Outboardoel 4T SAE 10W-30** can also be used for engines operating in seawater.

**RAVENOL Outboardoel 4T SAE 10W-30** is particularly suitable for the lubrication of 4-stroke outboard engines subject to high speeds and the heaviest loads.

Follow the engine manufacturer's recommendations

## Characteristics

**RAVENOL Outboardoel 4T SAE 10W-30** offers:

- Perfect lubrication of all engine parts
- A strong cleaning effect and a residue-free combustion without deposits
- Good cold start properties
- Very high-wear, oxidation and corrosion protection
- Excellent shear stability
- Corrosion protection in alloy-wetted engine parts
- Immediate and homogeneous mixing with the fuel used (including lead-free)
- An adhesive, pressure- and temperature-resistant oil film
- Suitable for Catalysts



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	854,0	EN ISO 12185
Colour		blau	-
Viscosity at 100°C	mm <sup>2</sup> /s	12,1	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	80,2	DIN 51 562
Viscosity index VI		146	DIN ISO 2909
Pourpoint	°C	-36	DIN ISO 3016
Flash point (COC)	°C	250	DIN ISO 2592
TBN	mg KOH/g	7,5	ASTM D2896

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.

Release: : 04. December 2019