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# - Certificate / ProductInformation -

### **RAVENOL WATERCRAFT Mineral 2-Takt**

Art. 1153210

#### **Description:**

RAVENOL WATERCRAFT Mineral 2-Takt is 2-stroke engine oil based on high quality base oils with an ash less additive package for optimum lubricity and excellent corrosion protection.

**RAVENOL WATERCRAFT Mineral 2-Takt** is especially designed for use in fresh water-cooled outboard engines with separate (Auto lube systems) or mixed lubrication.

**RAVENOL WATERCRAFT Mineral 2-Takt** meets the requirements of the National Marine Manufacturers Association NMMA TC-W3 (CE 50S Yamaha, Mercury).

### **Application Directions:**

**RAVENOL WATERCRAFT Mineral 2-Takt** is recommended for "TC-W3" Fluids in all outboard engines according to the prescribed mixing ratio from the engine manufacturer. It can also be used for engines operating in seawater.

Typical mixing ratio: 1: 50

Follow the manufacturers recommendations!

## **Quality Classification:**

RAVENOL WATERCRAFT Mineral 2-Takt is is approved, tried and tested for aggregates specifying:

API TB, ISO-L EGB, JASO FB

Approval: NMMA TC-W3®, RL-29901H

#### **Technical Characteristics:**

#### **RAVENOL WATERCRAFT Mineral 2-Takt offers:**

- Contains additives, designed on the characteristics of outboard engine
- An excellent corrosion protection in all oil-wetted engine parts
- Immediate, homogeneous mixture with the used fuel (including lead-free)
- An effective pressure and temperature resistant oil film
- An excellent anti-wear performance
- A clean burning with no deposits
- Low coking
- · High wear protection

### **Technical Values:**

Characteristics		unit	data	test according to
Colour			blue	
Density	at 20°C	g/ml	0,872	DIN 51 757
Viscosity	at 40°C	mm²/s	70,0	DIN 51 562
-	at 100°C	mm²/s	9,7	DIN 51 562
Viscosity index VI		118	DIN ISO 2909	
Pour point		°C	- 24	DIN ISO 3016
Flash point	COC	°C	>100	DIN ISO 2592
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All indicated data are approximate values and are subject to the commercial fluctuations.

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.

14.03.17 Page 1 from 1