

# PRODUCT INFORMATION



*Lubricants – Specialty Oils*

Version: 509/05

## **Valvoline™ Super Outboard 4T**

***Based on synthetic technology, motor oil for 4-stroke outboard engines.***

Valvoline Super Outboard 4T is a multi-grade motor oil based on synthetic technology specially formulated to provide year-round protection for 4-cycle outboard engines. The selected base stocks and additives provide an excellent strong oil film for ultimate protection and lubrication under a wide range of temperatures. The viscosity grade helps for quick cold starting. The product is formulated to meet the requirements of all leading outboard engine manufacturers.

### **Performance levels**

API: SJ

### **Applications**

Light and heavy duty outboard and inboard engines where a 10W-30 outboard engine oil is recommended.

Heckdrive engines.

Professional work on the water  
Fishing boats  
Maintenance boats  
Rescue teams  
Transportation.  
Leisure.

### **Features & Benefits**

#### **Smooth operation**

Premium motor oil for smooth lubrication and quick cold start of the engine.

#### **Wear protection**

Good wear protection resists high speed revving.

#### **Preservation**

Basic oils and additives protect the engine against rust and corrosion and extend the lifespan of the different engine parts.

#### **Strong oil film**

The product resists long term use and high engine temperatures when performing professional work on the water.

#### **Cold circumstances**

With a pour point of -39°C. Super Outboard 4T has no problems with fishing trips in the wintertime.

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## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvolineeurope.com](http://www.valvolineeurope.com)

## Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

<b>Super Outboard 4T</b>	
<b>SAE Viscosity Grade</b>	10W-30
<b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b> ASTM D-445	11
<b>Viscosity, mm<sup>2</sup>/s @ 40 °C.</b> ASTM D-445	72
<b>Viscosity Index</b> ASTM D-2270	143
<b>Viscosity, mPa.s -25°C.</b> ASTM D-5293	<7000
<b>TBN, mg KOH/g</b> ASTM D-2896	9,7
<b>Pour Point, °C</b> ASTM D-5949	-36
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0,875
<b>Flash Point, COC, °C.</b> ASTM D-92	228

**This information only applies to products manufactured in the following location(s):  
Europe**

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## Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://msds.valvoline.com>

## Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

## Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Replaces – 509/04