

# PRODUCT INFORMATION



Lubricants - Engine Oil - Passenger Car Motor Oils

Version: 025/12c

## Valvoline™ VR1 Racing™ 10W-60

*Specially formulated engine oil with unique molecular protection for high performance engines under high shear, high temperature, and high speed (RPM) driving conditions.*

### Approvals & Specifications

ACEA A3/B4

API SL, SM

Ford WSS-M2C-153E

GM 6094M

Recommended for use where Fiat 9.55535.H3 is specified.

### Applications

Offers the ultimate in performance for both turbo and non-turbocharged petrol engines. Ideally suited for modern high performance engines such as BMW, Ferrari and many more.

The winning racing drivers' choice. Offers extra reserve needed to resist extreme operating conditions during fast road, track and motorsport use. Proven protection in extreme conditions.

**Not recommended** for vehicles fitted with aftertreatment systems or catalytic converters.

Always consult with your engine builder or trusted mechanic for more vehicle or application specific advice.

### Features & Benefits

#### Race proven performance

VR1 Racing is formulated for ultimate performance under extreme operating conditions. Contains special additives that ensure optimal power output and maximum wear resistance for both turbocharged and non turbo charged petrol engines.

#### Extreme wear protection

Strong oil film in combination with specialized additives provide high resistance against extreme pressure and high operating temperatures.

#### Performance at high rpm ranges

Enhanced anti-foaming formulation ensures superior protection at high engine rpm.

#### Higher viscosity

The higher viscosity grades of the VR1 Racing will ensure proper film thickness even in high heat applications

#### Break down resistance

High thermal and oxidation stability resists oil breakdown.

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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.valvolineglobal.com/en-eur/](http://www.valvolineglobal.com/en-eur/) or [pisheets.valvolineglobal.com](http://pisheets.valvolineglobal.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.

VR1 Racing Motor Oil	
<b>SAE Viscosity Grade</b>	10W-60
<b>Viscosity, mm<sup>2</sup>/s @ 100°C</b> ASTM D-445	22.2
<b>Viscosity, mm<sup>2</sup>/s @ 40°C</b> ASTM D-445	142
<b>Viscosity Index</b> ASTM D-2270	185
<b>Viscosity, mPa.s -25°C</b> ASTM D-5293	<7000
<b>TBN, mg KOH/g</b> ASTM D-2896	11.9
<b>Phosphorus, ppm</b> ASTM D6443	1300
<b>Zinc, ppm</b> ASTM D6443	1500
<b>Pour Point, °C</b> ASTM D-5949	-36
<b>Specific Gravity @ 15°C</b> ASTM D-4052	0.859
<b>Flash Point, COC, °C</b> ASTM D-92	>200

**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 it is 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 <http://sds.valvolineglobal.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 storing 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 – 025/12b