

PRODUCT INFORMATION



Lubricants - Engine Oil - Passenger Car Motor Oils

Version: 025/13b

Valvoline VR1™ Racing Motor Oil SAE 20W-50

Premium quality mineral motor oil specially formulated for high-performance cars. Engineered for ultimate performance in turbo and non-turbo charged petrol engines under extreme operating conditions such as road racing and rallying.

Recommended by Valvoline for:

ACEA A3/B4

API: SL

Ford WSS-M2C-153E

GM 6094M

Applications

For ultimate performance in turbo and non-turbocharged petrol engines.

Offers extra reserve needed to resist extreme operating conditions during rallying and racing.

Not recommended for aftertreatment systems or vehicles equipped with catalytic converters.

Specially designed for racing applications, **not recommended** for prolonged periods of time.

Also suitable for some Harley Davidson* motorcycle models.

* Check your owner's manual before use.

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.

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.valvolineeurope.com or <https://pisheets.valvoline.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	
SAE Viscosity Grade	20W-50
Viscosity, mm²/s @ 100 °C. ASTM D-445	18,1
Viscosity, mm²/s @ 40 °C. ASTM D-445	163
Viscosity Index ASTM D-2270	123
Viscosity, mPa.s -15°C. ASTM D-5293	<9200
TBN, mg KOH/g ASTM D-2896	11,7
Phosphorus, ppm ASTM D6443	1300
Zinc, ppm ASTM D6443	1500
Pour Point, °C ASTM D-5949	-24
Specific Gravity @ 15.6°C. ASTM D-4052	0,882
Flash Point, COC, °C. ASTM D-92	220

**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://sds.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 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 – 025/13a