

# Product Information

A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.



## Lubricants - Engine Oil - Passenger Car Motor Oils

Version: 025/05c

### VR1™ Racing Motor Oil SAE 20W-50

***Premium mineral competition-proven passenger car motor oil – Delivers ultimate performance in turbo petrol engines of passenger cars, racing and rally cars.***

VR1 Racing SAE 20W-50 motor oil has been formulated for ultimate performance in non-turbo or turbocharged petrol engines, including those using partial alcohol fuels -- of passenger cars and competition cars. Extra additives resist extreme operating conditions during rallying and racing.

#### Approvals/Performance levels

<b>SAE 20W-50</b>
API SL
Ford M2C-153E
GM 6094M

#### Applications

For ultimate performance in turbo and non-turbocharged petrol engines of passenger cars and race cars.

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

Suitable for normal day to day driving in the city and on the highway.

Also suitable for some Harley Davidson\* motorcycle models.

*\*Check your owner's manual before use.*

#### Features and Benefits

##### Optimum performance

Exclusive competition-proven chemistry reduces internal friction and enhances power output.

##### Breakdown resistance

Enhanced thermal and oxidation stability resists oil breakdown.

##### Wear protection

Zinc additive package provides tough anti-wear protection.

##### Protection under extreme conditions

Race-proven exclusive chemistry delivers enhanced power output under high temperatures. Formulated with enhanced anti-foam system for superior protection at high rpm.

##### Engine cleanliness

Keeps the engine clean and in good condition.

# Product Information

A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.



## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Material and Safety Data Sheet (MSDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

## Protect the Environment

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

## 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, mm <sup>2</sup> /s @ 100 °C ASTM D-445	20.5
Viscosity, mm <sup>2</sup> /s @ 40 °C ASTM D-445	186
Viscosity Index ASTM D-2270	130
Viscosity, mPa.s -15°C. ASTM D-5293	<9500
TBN, mg KOH/g ASTM D-2896	12.0
Pour Point, °C ASTM D-5950	-27
Specific Gravity @ 15.6°C. ASTM D-4052	0.892
Flash Point, COC, °C ASTM D-92	218

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

## People Who Know, Use Valvoline™

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 including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; 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)

## Author:

AdG

Replaces – 025/04

\*Trademark owned by a third party ™ Trademark of Ashland or its subsidiaries, registered in various countries © 2011, Ashland

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ashland Inc. and its subsidiaries assume legal responsibility.