

Product Information



A PRODUCT OF THE VALVOLINE COMPANY A DIVISION OF ASHLAND INC.

Valvoline VR1 Racing motor oil

025/04

Valvoline VR1 Racing motor oil has been formulated for ultimate performance in (turbo)petrol engines of passenger cars and rally cars. The formulation of this product group offers the extra reserve needed to resist extreme operating conditions during rallying and racing. The exclusive chemistry in these products reduces internal friction and enhances power output. The highest quality base oils and a sublime additive system guarantee an excellent thermal stability and protection against wear and tear. VR1 Racing oils are also suitable for everyday driving in the city and on the highway.

The Valvoline VR1 Racing motor oil advantages:

- * **Breakdown Resistance:** Enhanced thermal and oxidation stability
- * **Wear Protection:** Excellent oil film strength and breakdown resistance
- * **High Temperature Properties:** Absolute protection in the high temperature ranges.
- * **Engine Cleanliness:** Keeps the engine clean and in good condition

SAE 5W-50: Fully synthetic motor oil

SAE 10W-60: Partly synthetic motor oil

SAE 20W-50: Mineral motor oil

Performance levels	Viscosity Grade		
API: SL	5W-50	10W-60	20W-50
Ford M2C-153E	5W-50	10W-60	20W-50
GM 6094 M	5W-50	10W-60	

Typical Properties	5W-50	10W-60	20W-50
Viscosity, mm ² /s @ 100 °C	18.0	23.0	20.5
Viscosity, mm ² /s @ 40 °C	109	165	186
Viscosity Index	183	168	130
Viscosity, mPa.s -30 °C.	<6600		
Viscosity, mPa s -25°C.		<7000	
Viscosity, mPa s -15°C.			<9500
Sulphated Ash, wt. %	1.30	1.57	1.57
TAN; mg KOH/g (ASTM D-664)	2.5	2.9	2.9
TBN; mg KOH/g (ASTM D-2896)	10.1	12.0	12.0
Pour Point, °C (ASTM D-97)	-42	-39	-27
Specific Gravity @ 15/15°C	0.851	0.867	0.898
Flash Point, COC, °C	220	220	218

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

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