

# PRODUCT INFORMATION



## VALVOLINE™ VR1 RACING ENGINE OIL

Valvoline VR1 Racing Engine Oil is a family of race-proven lubricants formulated to provide high load carrying characteristics, minimum foaming and maximum resistance to thermal degradation. Exclusive chemistry reduces internal friction and enhances power output under extreme service conditions. VR1 Racing Engine Oil is recommended for engines burning gasoline and full or partial alcohol fuels in track and street service. For use in classic and modern muscle cars, race cars and high-performance passenger cars.

Valvoline VR1 Racing Engine Oil is not recommended for use in vehicles with catalytic converters or in wet clutches (use Valvoline 4-Stroke Motorcycle Oil).

### The Valvoline VR1 Racing Engine Oil Advantages:

- High Performance Racing Oil
- High Zinc and Phosphorus for extreme anti-wear protection, including flat-tappet and performance cam applications
- Friction modifiers help deliver maximum horsepower
- Enhanced anti-foaming, even under high stress
- Compatible with gasoline and alcohol fuels

Typical Properties:	SAE 10W-30	SAE 20W-50
KV100 (cSt)	11.5	20
KV40 (cSt)	77	187
Viscosity Index	143	124
Density (lbs/gal)	7.27	7.39
CCS (cP @ °C)	<6200@-25°C	<8900@-15°C
Pour Point (°C)	≤ -33	≤ -24
TBN (meq KOH/g)	8.4	8.3
Zinc (ppm)	1400	1400
Phosphorous (ppm)	1300	1300
Sulfated Ash (mass %)	<1.1%	<1.1%
Noack (% loss)	<15.0	<15.0

This information only applies to products manufactured in the following location(s): USA, Canada

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<b>Typical Properties:</b>	<b>SAE 30</b>	<b>SAE 40</b>	<b>SAE 50</b>	<b>SAE 60</b>
KV100 (cSt)	11.7	14.7	20.0	24.5
KV40 (cSt)	99	141	224	314
Viscosity Index	107	104	103	99
Density (lbs/gal)	7.37	7.40	7.44	7.48
Pour Point (°C)	≤ -30	≤ -27	≤ -18	≤ -18
TBN (meq KOH/g)	8.3	8.5	8.7	8.8
Zinc (ppm)	1400	1400	1400	1400
Phosphorous (ppm)	1300	1300	1300	1300
Sulfated Ash (mass %)	<1.1%	<1.1%	<1.1%	<1.1%
Noack (% loss)	<15.0	<15.0	<15.0	<15.0

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Author:  
LK