

## VALVOLINE™ VR1 RACING MOTOR OIL

**Valvoline VR1 Racing Motor 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 Motor Oil** is recommended for engines burning gasoline and full or partial alcohol fuels in track and street service. **VR1 Racing Motor Oil** is for use in any car, light truck, van, or SUV where API “SN” is recommended (see proper viscosity grade below). Not recommended for extended use in vehicles with catalytic converters.

**Valvoline VR1 Racing Motor Oil** is not recommended for use in wet clutches (use Valvoline 4-Stroke Motorcycle Oil).

### The Valvoline VR1 Racing Motor Oil Advantages:

- The #1 selling Racing Oil of all time and race track proven.
- Protects against high-temperature deposits for a cleaner engine.
- ZDDP additive provides tough anti-wear protection.
- Enhanced with friction modifier to improve horsepower.
- Formulated with enhanced anti-foam system.

### Recommended Applications:

	SAE 10W-30	SAE 20W-50
API SL	X	X
API SH*	-----	X
API SG*	X	X
API CD/CF*	X	X

### Typical Properties:

	SAE 10W-30	SAE 20W-50
KV100 (cSt)	11.50	20.5
KV40 (cSt)	77.0	181.8
Viscosity Index	143	132
Density (lbs/gal)	7.28	7.39
CCS (cP @ °C)	<6200@-25°C	<8000@-15°C
Pour Point (°C)	≤ -33	≤ -24
TBN (meq KOH/g)	8.5	8.5
Zinc (ppm)	1400	1400
Phosphorous (ppm)	1300	1300
Sulfated Ash (mass %)	1	1
Noack (% loss)	15	15

\* Obsolete Category

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

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## **Recommended Applications:**

	SAE 30	SAE 40	SAE 50	SAE 60
API SN	X	X	X	----
API SM/SL	X	X	X	----
API SH/CD/CF*	X	X	X	----

## **Typical Properties:**

	SAE 30	SAE 40	SAE 50	SAE 60
KV100 (cSt)	11.5	14.5	20.0	24.0
KV40 (cSt)	94.87	136.8	219.3	293.4
Viscosity Index	113	105	105	104
Density (lbs/gal)	7.35	7.38	7.42	7.45
Pour Point (°C)	≤ -30	≤ -27	≤ -18	≤ -18
TBN (meq KOH/g)	8.5	8.5	8.5	8.5
Zinc (ppm)	1400	1400	1400	1400
Phosphorous (ppm)	1300	1300	1300	1300
Sulfated Ash (mass %)	1	1	1	1
Noack (% loss)	15	15	15	15

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Effective Date:  
7/12/18

Author's Initials:  
MDW