

# Product Information



A PRODUCT OF VALVOLINE A DIVISION OF ASHLAND INC.

## VALVOLINE VR-1 Synthetic RACING MOTOR OIL

**Valvoline VR-1 Synthetic 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. **Valvoline VR-1 Synthetic Racing Motor Oil** is recommended for engines burning gasoline and full or partial alcohol fuels in track and street service. **Valvoline VR-1 Synthetic Racing Motor Oil** is for use in any car, light truck, van, or SUV where API "SL" is recommended (see proper viscosity grade below).

**Valvoline VR-1 Synthetic Racing Motor Oil** is not recommended for use in wet clutches (use Valvoline 4-Stroke Motorcycle Oil).

### The Valvoline VR-1 Synthetic Racing Motor Oil

- **Race Track Proven:** The #1 selling Racing Oil of all time and race track proven.
- **Deposit Control:** Protects against high-temperature deposits for a cleaner engine.
- **Wear Protection:** ZDDP additive provides tough anti-wear protection.
- **Friction Control:** Enhanced with friction modifier to improve horsepower.
- **Foam Control:** Formulated with enhanced anti-foam system.
- **Cold Start Properties:** Flows easily at low temperatures

Approvals/Performance Levels	Viscosity Grade/Other		
API SL	5W-30	10W-30	20W-50
API SN/ SM	----	----	20W-50
API SH/CD/CF *	5W-30	10W-30	20W-50
Test	5W-30	10W-30	20W-50
Vis @ 100°C (cSt)	10.8	10.5	20.0
Vis @ 40°C (cSt)	61	64	147
Viscosity Index	170	153	154
Spec Gravity @ 60°F	0.851	0.857	0.856
Density (lbs/gal)	7.10	7.15	7.14
Total Base No.	8.5	8.5	8.5
Flash COC (°C)	223	223	230
Pour Point (°C)	-42	-39	-36
CCS cP (°C)	5200(-30C)	5000(-25C)	5000(-15C)
MRV TP-1 cP (°C)	20,000(-35C)	15,000(-30C)	11,000(-20C)
Noack % off @ 250C	<15	<15	<15
Zinc/Phosphorus, m%	0.11/0.10	0.11/0.10	0.14/0.13
Calcium, m%	0.210	0.210	0.210
Sodium, m%	0.049	0.049	0.049

\* Obsolete category

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

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