

Product Information



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

VALVOLINE SYNPOWER MOTOR OIL

Valvoline's SYNPOWER is a premium fully synthetic motor oil that is formulated with the highest quality synthetic base oils and enhanced with the most advanced additive technology for ultimate performance in meeting the latest requirements for modern engines in North America. SYNPOWER motor oils provide protection under severe service conditions and meet the performance requirements of virtually all naturally aspirated, turbocharged and supercharged passenger cars operating in North America including European and Japanese passenger cars.

The Valvoline SYNPOWER Motor Oil Advantages

- **Breakdown Resistance:** Increased thermal and oxidation stability.
- **Deposit Control:** Reduces formation of sludge and varnish deposits.
- **Wear Protection:** Improves oil film strength and breakdown resistance.
- **Volatility:** Lowers oil vaporization and consumption at extreme conditions.
- **Cold Start Properties:** Flows easily at low temperature.

Approvals/Performance Level	5W-20	5W-30	10W-30	20W-50	5W-40
API SM	5W-20	5W-30	10W-30	20W-50	5W-40
API SL	5W-20	5W-30	10W-30	20W-50	5W-40
API CF	5W-20	5W-30	10W-30	20W-50	5W-40
ACEA A1/A5	5W-20	5W-30	10W-30*	-----	-----
ACEA A3/B3/B4	-----	-----	-----	20W-50	5W-40
ACEA C3				20W-50	5W-40
ILSAC GF-4	5W-20	5W-30	10W-30	-----	-----
MB 229.31, 229.5, 229.51				20W-50	5W-40
MB 229.3	-----	-----	-----	20W-50	5W-40
VW 505.01				20W-50	5W-40
VW 502.00, & 505.00	-----	-----	-----	20W-50	5W-40
BMW Long Life 04				20W-50	5W-40
BMW Long Life 01	-----	-----	-----	-----	5W-40

Test	5W-20	5W-30	10W-30	20W-50	5W-40
Vis @ 100°C (cSt)	8.65	10.7	11.0	19.5	14.50
Vis @ 40°C (cSt)	46.0	60.0	69.0	145	89
Viscosity Index	166	169	152	154	170
Spec Gravity @ 60°F	0.853	0.853	0.857	0.860	0.852
Density(lbs/gal)	7.1	7.1	7.2	7.2	7.1
Total Base No.	8	8	8	7	7
Flash COC (°C)	221	223	223	230	230
Pour Point (°C)	-45	-42	-39	-36	-39
CCS cP (°C)	4200@-30C	4900 @ -30C	4700@-25C	4800@-15C	6000@-30C
MRV TP-1 cP (°C)	13,500@ -35C	18,600@-35C	13,700@-30C	10,100@-20C	20,000@-35C
NOACK, wt. % loss	13.5	13	9.3	8	10
Sulfated Ash	0.90	0.90	0.90	0.78	0.78
Zinc/Phosphorus, wt. %	0.085/0.076	0.085/0.076	0.085/0.076	0.084/0.077	0.084/0.077
Calcium	0.252	0.252	0.252	0.193	0.193

* Except European Fuel Economy

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

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5-23-06

Author's Initials:
DJD

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