

Product Information



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

VALVOLINE DURABLEND MOTOR OIL

DURABLEND synthetic blend motor oils are formulated with a combination of high-tech synthetic and premium quality conventional basestocks combined with advanced additive technology. DURABLEND motor oils can help engines maintain peak performance longer by providing improved wear control, deposit protection, volatility, and low temperature flow characteristics versus conventional motor oils. DURABLEND motor oils provide protection under severe service conditions and meet the performance requirements of virtually all naturally aspirated, turbocharged and supercharged gasoline passenger cars, including European and Japanese vehicles.

The Valvoline DURABLEND Motor Oil Advantage

- **Breakdown Resistance:** Increases thermal and oxidation stability
- **Deposit Control:** Reduces formation of sludge and varnish deposits
- **Wear Protection:** Improves oil film strength and breakdown resistance
- **Cold Start Properties:** Flows easily at low temperatures
- **Volatility:** Lowers oil vaporization and consumption at extreme temperatures
- **Fuel Economy:** Improves fuel economy in new and old vehicles
- **Price Advantage:** Costs Less Than 100% Synthetics

Approvals/Performance Level	Viscosity Grade/Other		
API SM/SL	5W-20	5W-30	10W-30
ILSAC GF-3 & GF-4	5W-20	5W-30	10W-30
API CF	-----	-----	10W-30
API Energy Conserving	5W-20	5W-30	10W-30
FORD WSS-M2C930-A	5W-20	-----	-----
FORD WSS-M2C929-A	-----	5W-30	-----
FORD WSS-M2C914-A	5W-20	-----	-----
FORD WSS-M2C153-H	5W-20	-----	-----
GM 6094M	-----	5W-30	10W-30
CHRYSLER MS-6395M	5W-20	5W-30	10W-30
HONDA Feb. 2001 Spec.	5W-20	-----	-----
ACEA A1	5W-20	5W-30	10W-30*

Test	5W-20	5W-30	10W-30
Vis @ 100°C (cSt)	8.38	10.33	10.84
Vis @ 40°C (cSt)	45.78	57.89	71.45
Viscosity Index	161	169	141
Spec Gravity @ 60°F	0.8621	0.8575	0.8680
Density (lbs/gal)	7.19	7.14	7.24
Total Base No.	8	8	8
Flash COC (°C)	220	221	216
Pour Point (°C) , max	-36	-36	-33
CCS cP (°C)	4400(-30C)	4800(-30C)	6200(-25C)
MRV TP-1 cP (°C)	16,000(-35C)	16,000(-35C)	17,000(-30C)
Noack % off @ 250°C	13	13.5	10
Sulfated Ash	0.8	0.8	0.8
Zinc/Phosphorus	0.083/0.076	0.083/0.076	0.083/0.076
Calcium/Magnesium	0.191/0.049	0.191/0.049	0.191/0.049

* Excluding Fuel Economy Requirement

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

Effective Date:	Replaces:	Author's Initials:	Rev. Code
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The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. Freedom to use any patent owned by Ashland or others is not to be inferred from any statement contained herein.



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- **Price Advantage:** Costs Less Than 100% Synthetics

Approvals/Performance Level	Viscosity Grade/Other		
API SM/SL	10W-40	15W-40	20W-50
API CF	10W-40	15W-40	20W-50
GM 6094M	10W-40	15W-40	-----
CHRYSLER MS-6395M	10W-40	15W-40	-----
ACEA A3	10W-40		20W-50
Meets engine and emission system protection requirements of ILSAC GF-4			

Test	10W-40	15W-40	20W-50
Vis @ 100°C (cSt)	14.02	14.04	18.6
Vis @ 40°C (cSt)	93.04	105.58	155.27
Viscosity Index	155	141	135
Spec Gravity @ 60°F	0.8665	0.8674	0.877
Density (lbs/gal)	7.22	31.6	7.31
Total Base No.	8	8	8
Flash COC (°C)	220	226	236
Pour Point (°C) , max	-33	-27	-27
CCS cP (°C)	6200@-25C	5700@-20C	6200@-15C
MRV TP-1 cP (°C)	21,000@-30C	17,000@-25C	23,000@-20C
Noack % off @ 250°C	13.0	9	8
Sulfated Ash	0.8	0.8	0.8
Zinc/Phosphorus	0.083/0.076	0.083/0.076	0.083/0.076
Calcium/Magnesium	0.191/0.049	0.191/0.049	0.191/0.049

See operator's manual for recommended viscosity grade and API service classification.

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