



Product Information

A product of Ashland Consumer Markets, a business unit of Ashland Inc.

VALVOLINE MaxLife™ Motor Oil

Valvoline MaxLife™ is the first motor oil specially formulated to address the unique needs of higher mileage engines. Valvoline MaxLife™ is a blend of synthetic and premium conventional basestocks with seal conditioning agents, extra cleaning agents, additional anti-wear additives and novel friction modifiers for added protection. MaxLife provides performance benefits for high mileage, new and re-built engines.

The Valvoline MaxLife™ Motor Oil Advantage

- Conditions engine seals
- Minimizes oil consumption
- Maximizes power output
- Resists thermal breakdown
- Reduces deposit formation

Approvals/Performance Levels

| | | | | | | |
|-------------------------|-------|-------|-------|--------|--------|--------|
| API SN/SM | 0W-20 | 5W-20 | 5W-30 | 10W-30 | 10W-40 | 20W-50 |
| API Resource Conserving | 0W-20 | 5W-20 | 5W-30 | 10W-30 | ----- | ----- |
| ILSAC GF-5 | 0W-20 | 5W-20 | 5W-30 | 10W-30 | ----- | ----- |
| GM dexos1** | ----- | 5W-20 | 5W-30 | ----- | ----- | ----- |
| Ford WSS-M2C945-A | ----- | 5W-20 | ----- | ----- | ----- | ----- |
| Ford WSS-M2C946-A | ----- | ----- | 5W-30 | ----- | ----- | ----- |
| Chrysler MS-6395 | ----- | 5W-20 | 5W-30 | 10W-30 | ----- | ----- |
| GM 6094M* | ----- | 5W-20 | 5W-30 | 10W-30 | ----- | ----- |
| Fiat 9.55535 G2 | ----- | ----- | ----- | ----- | 10W-40 | ----- |
| API CF* | ----- | ----- | ----- | 10W-30 | 10W-40 | 20W-50 |

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

| Test | SAE 0W-20 | SAE 5W-20 | SAE 5W-30 | SAE 10W-30 | SAE 10W-40 | SAE 20W-50 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Vis @ 100 ^o C (cSt) | 8.6 | 8.8 | 10.7 | 10.7 | 14.9 | 18.9 |
| Vis @ 40 ^o C (cSt) | 45.5 | 51.3 | 63.1 | 70.6 | 103.2 | 169.8 |
| Viscosity Index | 169 | 151 | 160 | 140 | 151 | 126 |
| Spec Gravity @ 60 ^o F | 0.83 | 0.86 | 0.86 | 0.87 | 0.87 | 0.88 |
| Density (lbs/gal) | 6.9 | 7.2 | 7.2 | 7.2 | 7.2 | 7.3 |
| Total Base Number | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| Flash Point COC (°C) | 219 | 217 | 221 | 216 | 220 | 236 |
| Pour Point (°C) | -51 | -45 | -45 | -39 | -42 | -30 |
| CCS cP (°C) | 5900@-35C | 5900@-30C | 5900@-30C | 5900@-25C | 6200@-25C | 7700@-15C |
| MRV TP-1 cP (°C) | 29,000@-40C | 22,000@-35C | 23,000@-35C | 20,000@-30C | 26,000@-30C | 23,000@-20C |
| Noack % off @ 250 ^o C | 13.6 | 12.6 | 10.8 | 10.5 | 10.9 | 6.2 |
| Sulfated Ash | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Zinc/Phosphorus, wt% | 0.083/0.077 | 0.083/0.077 | 0.083/0.077 | 0.083/0.077 | 0.083/0.077 | 0.083/0.077 |
| Calcium, wt.% | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Sodium, wt% | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 | 0.048 |

*Obsolete category.

**Excludes 5 qt. packages

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

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|-----------------|------------|--------------------|--------|-----------|
| Effective Date: | Replaces: | Author's Initials: | Pages: | Revision: |
| 2017.02.02 | 2014.11.07 | JRF | 1 | 008 |

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