

Product Information



A PRODUCT OF VALVOLINE™ INC.

VALVOLINE™ MOTOR OIL (PREMIUM CONVENTIONAL)

Valvoline™ Motor Oil (Premium Conventional) SAE 5W-20 and SAE 5W-30 are formulated with advanced additive technology and highly refined, premium quality synthetic blend basestock formulation that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions. They meet the performance requirements of virtually all naturally aspirated, turbocharged and supercharged gasoline fueled passenger cars and light duty trucks, including European and Japanese vehicles*.

The Valvoline Premium Conventional Motor Oil Advantage

- **High Temperature Protection:** Resists breakdown in the most severe engine environments.
- **Low Temperature Protection:** Flows easily at low temperatures, reducing wear at start-up.
- **High Detergency:** Fights formation of sludge and varnish deposits that reduce engine life.
- **Wear Protection:** Contains anti-wear additives that dramatically reduce engine wear. Meets European and Japanese Wear requirements.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components.
- **Fuel Economy:** Improves fuel economy in new and old vehicles.

Approvals/Performance Levels	Viscosity Grade/Other	
API SN/SM	SAE 5W-20	SAE 5W-30
ILSAC GF-5 & GF-4	SAE 5W-20	SAE 5W-30
Resource Conserving	SAE 5W-20	SAE 5W-30
FORD WSS-M2C946-A	-----	SAE 5W-30
FORD WSS-M2C945-A	SAE 5W-20	-----
GM 6094M **	SAE 5W-20	SAE 5W-30
Chrysler MS-6395	SAE 5W-20	SAE 5W-30
Honda Feb. 2001 Spec.	SAE 5W-20	-----

Test	SAE 5W-20	SAE 5W-30
Vis @ 100°C (cSt)	8.5	11.0
Vis @ 40°C (cSt)	50.0	63.0
Viscosity Index	146	168
Spec Gravity @ 60°F	0.861	0.861
Density (lbs/gal)	7.18	7.18
Total Base No.	7.3	7.3
Flash COC (°C)	220	220
Pour Point (°C) max	-42	-42
CCS cP (°C)	6100(-30°C)	6100(-30°C)
MRV TP-1 cP (°C)	20,000(-35°C)	25,000(-35°C)
Noack % off @ 250°C	<14.5	<14.5
Sulfated Ash	0.80	0.80
Zinc/Phosphorus	0.083/0.076	0.083/0.076
Calcium/Sodium	0.167/0.049	0.167/0.049

* VALVOLINE PREMIUM CONVENTIONAL MOTOR OILS are not recommended for use in diesel fueled vehicles. Use Valvoline All Fleet Plus or Valvoline SynPower motor oils (see owner's manual)

**Obsolete

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

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

Effective Date:	Replaces:	Author's Initials:	Rev. Code
01-03-17	12-02-16	MDW	012

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VALVOLINE™ MOTOR OIL (PREMIUM CONVENTIONAL)

Valvoline™ Premium Conventional multigrade motor oils are formulated with advanced additive technology and highly refined, premium quality basestocks that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions. They meet the performance requirements of virtually all naturally aspirated, turbocharged and supercharged gasoline fueled passenger cars and light duty trucks, including European and Japanese vehicles*.

The Valvoline Premium Conventional Motor Oil Advantage

- **High Temperature Protection:** Resists breakdown in the most severe engine environments.
- **Low Temperature Protection:** Flows easily at low temperatures, reducing wear at start-up.
- **High Detergency:** Fights formation of sludge and varnish deposits that reduce engine life.
- **Wear Protection:** Contains anti-wear additives that dramatically reduce engine wear. Meets European and Japanese Wear requirements.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components.

Approvals/Performance Levels	Viscosity Grade/Other		
API SN/SM	SAE 10W-30	SAE 10W-40	SAE 20W-50
Meets engine & emission system protection requirements of ILSAC GF-5	SAE 10W-30	SAE 10W-40	SAE 20W-50
ILSAC GF-4	SAE 10W-30	-----	-----
Resource Conserving	SAE 10W-30	-----	-----
GM 6094M **	SAE 10W-30	-----	-----
Chrysler MS-6395	SAE 10W-30	-----	-----

Test	SAE 10W-30	SAE 10W-40	SAE 20W-50
Vis @ 100°C (cSt)	10.5	15.1	18.5
Vis @ 40°C (cSt)	69.7	104.0	170.9
Viscosity Index	137	152	121
Spec Gravity @ 60°F	0.871	0.8685	0.8802
Density (lbs/gal)	7.26	7.24	7.34
Total Base No.	7.3	7.5	7.5
Flash COC (°C)	216	220	236
Pour Point (°C) max	-36	-33	-24
CCS cP (°C)	5900(-25°C)	6200(-25°C)	9200(-15°C)
MRV TP-1 cP (°C)	20,000(-30°C)	35,000(-30°C)	21,000(-20°C)
Noack % off @ 250°C	<14.5	<15.0	<15.0
Sulfated Ash	0.80	0.80	0.80
Zinc/Phosphorus	0.083/0.076	0.083/0.076	0.083/0.076
Calcium/Sodium	0.167/0.049	0.167/0.049	0.167/0.049

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VALVOLINE™ MOTOR OIL (PREMIUM CONVENTIONAL)

Valvoline™ Premium Conventional monograde motor oils are formulated with advanced additive technology and highly refined, premium quality basestocks that protect today's engines against undesirable deposits, contamination, and viscosity and thermal breakdown under severe service conditions. Valvoline SAE 30, SAE 40, and SAE 50 offer excellent protection to gasoline engines operating under high temperature and heavy-duty service(hauling trailers, boats or RVs for sustained periods)*.

The Valvoline Premium Conventional Motor Oil Advantage:

- **High Temperature Protection:** Resists breakdown in the most severe engine environments.
- **High Detergency:** Fights formation of sludge and varnish deposits that reduce engine life.
- **Wear Protection:** Contains anti-wear additives that dramatically reduce engine wear. Meets European and Japanese wear requirements.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components

Approvals/Performance Levels	Viscosity Grade/Other		
API SN/SM	SAE 30	SAE 40	SAE 50
Chrysler MS-6395	SAE 30	-----	-----
Other Applications	Manual transmissions, hydraulic systems, air compressors, and circulating systems where the manufacturer recommends use of a motor oil. Meets engine and emission system protection requirements of ILSAC GF-5.		

Test	SAE 30	SAE 40	SAE 50
Vis @ 100°C (cSt)	10.3	13.5	20.0
Vis @ 40°C (cSt)	82.0	127.0	223
Viscosity Index	107	101	103
Spec Gravity @ 60°F	0.8780	0.8819	0.8817
Density (lbs/gal)	7.33	7.35	7.35
Total Base No.	7.5	7.5	7.5
Flash COC (°C)	229	248	254
Pour Point (°C)	-27	-27	-15
CCS cP (°C), max	---	---	---
MRV TP-1 cP (°C)	---	---	---
Sulfated Ash	0.8	0.8	0.8
Zinc/Phosphorus	0.083/0.076	0.083/0.076	0.083/0.076
Calcium/Sodium	0.167/0.049	0.167/0.049	0.167/0.049

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

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