

PRODUCT INFORMATION



VALVOLINE™ DAILY PROTECTION™ MOTOR OIL

(Formerly marketed in North America as PREMIUM CONVENTIONAL)

Valvoline Daily Protection Motor Oil SAE 5W-20 and SAE 5W-30 are formulated with advanced additive technology and highly refined, premium quality synthetic blend 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*.

Valvoline Daily Protection Motor Oil is approved and licensed for the newly adopted API SP classification, protecting GDI (Gasoline Direct Injection) engines from low-speed pre-ignition (LSPI).

Valvoline Daily Protection Motor Oil Advantages:

- **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.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components.
- **Fuel Economy:** Low-friction formulation supporting strong fuel economy performance.

Approvals and Licenses:	SAE 5W-20	SAE 5W-30
API SP	X	X
ILSAC GF-6A	X	X
API SN with SN Plus	X	X
ILSAC GF-5	X	X
API Resource Conserving	X	X

Meets and Recommended Applications:	SAE 5W-20	SAE 5W-30
Ford WSS-M2C960-A1	X	-----
Ford WSS-M2C961-A1	-----	X
Chrysler MS-6395	X	X

Typical Properties:	SAE 5W-20	SAE 5W-30
KV100 (cSt)	8.5	11.3
KV40 (cSt)	50	70
Viscosity Index	147	154
Density @ 15 °C g/m ³	0.859	0.857
CCS (cP @ °C)	<6200@-30°C	<6200@-30°C
Pour Point (°C)	≤ -36	≤ -36
TBN (meq KOH/g)	6.8	6.6
HTHS (cP)	2.6	3.3
Zinc (ppm)	760	760
Phosphorous (ppm)	690	690
Noack (% loss)	<15.0	<15.0

* VALVOLINE MOTOR OILS (DAILY PROTECTION) are not recommended for use in diesel fueled vehicles. Use Valvoline All Fleet Plus or Valvoline Advanced Full Synthetic motor oils (see owner's manual)

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.

VALVOLINE™ DAILY PROTECTION™ MOTOR OIL

(Formerly marketed in North America as PREMIUM CONVENTIONAL)

Valvoline Daily Protection Motor Oil multigrade is 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*.

Valvoline Daily Protection Motor Oil is approved and licensed for the newly adopted API SP classification, protecting GDI (Gasoline Direct Injection) engines from low-speed pre-ignition (LSPI).

Valvoline Daily Protection Motor Oil Advantages:

- **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.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components.

Approvals and Licenses:	SAE 10W-30	SAE 10W-40	SAE 20W-50
API SP	X	X	X
ILSAC GF-6A	X	-----	-----
API SN with SN Plus	X	X	X
ILSAC GF-5	X	-----	-----
API Resource Conserving	X	-----	-----

Meets and Recommended Applications:	SAE 10W-30	SAE 10W-40	SAE 20W-50
Chrysler MS-6395	X	-----	-----

Typical Properties:	SAE 10W-30	SAE 10W-40	SAE 20W-50
KV100 (cSt)	10.5	15.7	19.0
KV40 (cSt)	71	111	179
Viscosity Index	135	150	120
Density @ 15 °C g/m ³	0.868	0.866	0.879
CCS (cP @ °C)	<6200@-25°C	<6500@-25°C	<8500@-15°C
Pour Point (°C)	≤ -33 °C	≤ -33 °C	≤ -24 °C
TBN (meq KOH/g)	6.7	6.8	6.7
HTHS (cP)	3.1	4.1	13.0
Zinc (ppm)	760	760	760
Phosphorous (ppm)	690	690	690
Noack (% loss)	<15.0	<15.0	<6.0

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

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VALVOLINE™ DAILY PROTECTION™ MOTOR OIL

(Formerly marketed in North America as PREMIUM CONVENTIONAL)

Valvoline Daily Protection Motor Oil Protection monograde is 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)*.

Valvoline Daily Protection Motor Oil is approved and licensed for the newly adopted API SP classification, protecting GDI (Gasoline Direct Injection) engines from low-speed pre-ignition (LSPI).

Valvoline Daily Protection Motor Oil Advantages:

- **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.
- **Turbo Approved:** Provides excellent protection to critical turbo unit components

Approvals and Licenses:	SAE 30	SAE 40	SAE 50
API SP	X	X	X
API SN with SN Plus	X	X	X

Typical Properties:	SAE 30	SAE 40	SAE 50
KV100 (cSt)	10.3	13.5	20.0
KV40 (cSt)	87	125	231
Viscosity Index	99	103	99
Density @ 15 °C g/m ³	0.877	0.88	0.889
Pour Point (°C)	≤ -18 °C	≤ -15 °C	≤ -9 °C
TBN (meq KOH/g)	6.8	6.8	7.1
HTHS (cP)	3.3	3.9	5.6
Zinc (ppm)	760	760	760
Phosphorous (ppm)	690	690	690
Noack (% loss)	<6.0	<6.0	<6.0

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

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Author's Initials:
LK