

# PRODUCT INFORMATION



## VALVOLINE™ DAILY PROTECTION™ SAE 5W-20 MOTOR OIL

Valvoline Daily Protection SAE 5W-20 Motor Oil is 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. It meets the performance requirements of virtually all naturally aspirated, turbocharged and supercharged gasoline fueled passenger cars and light duty trucks\*.

Valvoline Daily Protection SAE 5W-20 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 SAE 5W-20 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

API SP	X
ILSAC GF-6A	X
API SN with SN PLUS	X
API Resource Conserving	X

### Meets and Recommended Applications:

### SAE 5W-20

Ford WSS-M2C960-A1	X
Chrysler MS-6395	X

### Typical Properties:

### SAE 5W-20

KV100 (cSt)	8.5
KV40 (cSt)	50
Viscosity Index	147
Density @ 15 °C g/m <sup>3</sup>	0.859
CCS (cP @ °C)	<6200@-30°C
Pour Point (°C)	≤ -36
TBN (meq KOH/g)	6.8
HTHS (cP)	2.6
Zinc (ppm)	760
Phosphorous (ppm)	690
Noack (% loss)	<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.

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Author:  
LK