



## **Prime 1 Synthetic Blend Motor Oils**

### **TECHNICAL PRODUCT INFORMATION**

### **Prime 1 Synthetic Blend Motor Oils**

**Prime 1 Synthetic Blend Motor Oils** use newly developed additive technology and formulations to provide among the highest levels of performance and protection ever offered in passenger car motor oils (PCMO). They meet the latest (2011) fuel economy standards while exceeding the car manufacturers' new ILSAC GF-5 standards for wear control, piston deposits, cleanliness, varnish and sludge, oxidation control, and emission system and seal compatibility. In repeated testing over the range of tests and variants, Prime 1 demonstrates among the lowest rates of wear in the industry for synthetic blend PCMOs.

**Prime 1 Synthetic Blend Motor Oils** are synthetic blends in grades 5W-20, 5W-30 and 10W-30, and are licensed by API for the SN Service Category with ILSAC GF-5 Resource Conserving certification.

### **Features/Benefits**

- Advanced viscosity control and shear stability - maintains performance in the harshest conditions and for extended oil drain intervals
- Levels of weighted piston deposits - far exceeding industry specs
- Highest level of high temperature deposit control
- Advanced protection against thermal breakdown
- Wear protection so advanced it is measured in atoms per hour
- Most advanced protection against varnish, corrosion, sludge, and foaming to prolong the life of your engine
- Exceeds industry established levels of fuel economy
- Low volatility, which reduces oil consumption
- Exceeds GF-5 and/or SN specifications for oxidation control, wear control, cleanliness and sludge, and emission system and seal compatibility

### **Applications**

**Prime 1 Synthetic Blend Motor Oils** are specifically designed for use in all gasoline engines, wherever ILSAC GF-5 and/or API-SN or previous specifications are called for

### **Recommendations/Specifications**

**Prime 1 Synthetic Blend Motor Oils** (5W-20, 5W-30 and 10W-30) are licensed by API for ILSAC GF-5 and API Service Category SN with Resource Conserving performance and are backwards compatible to all earlier API categories.

### **Special handling, Notices or Warnings**

Use the same care and handling that you would use with any motor oil.



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#### **Typical Characteristics**

<b>SAE GRADE</b>	<b>5W-20</b>	<b>5W-30</b>	<b>10W-30</b>
Viscosity cSt @ 40°C	49.21	63.01	68.23
cSt @ 100°C	8.59	10.57	10.49
Viscosity Index	153	158	141
API Gravity	32.78	33.01	31.51
Pour Point, °C /°F	-36/-33	-36/-33	-27/-17
API RC (Resource Conserving)	YES	YES	YES
ILSAC GF-5 Certified	YES	YES	YES
Color	3	3	3
API Licensed Service:	SN, SM, SL, SJ	SN, SM, SL SJ	SN, SM, SL, SJ

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.

***Contact your Great Plains Oil representative for additional information.***

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