

**SYNTHETIC BLEND**  
**PREMIUM MULTIGRADE PCMO**  
**[Passenger Car Motor Oil, API SM]**  
**SAE GRADES: 5W-20, 5W-30, 10W-30,**  
**10W-40, 20W-50, 5W-50**

SAE GRADE Automotive	<u>Typical Properties</u>					
	<u>5W-20</u>	<u>5W-30</u>	<u>10W-30</u>	<u>10W-40</u>	<u>20W-50</u>	<u>5W-50</u>
Viscosity, cSt						
At 40 C	49.1	61.6	65.1	92.5	167.0	94.0
At 100 C	8.6	10.4	10.5	13.8	18.5	18.9
Viscosity Index	154	158	150	152	123	221
Flash Point, (COC) °F	+405	+410	+420	+430	+450	+420
°C	207	+210	+215	+221	+232	+216
Pour Point, °F	-35	-35	-35	-30	-20	-35
°C	-37	-37	-37	-34	-29	-37
Neut. No., TBN-E, ASTM D-2896	7.0	7.0	7.0	7.0	7.0	7.0
Gravity, API @ 60 F	31.5	31.0	30.5	29.4	28.9	30.0
Sulfated Ash, %wt.	<1.0	<1.0	< 1.0	< 1.0	< 1.0	<1.0

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Synthetic Blend Premium Passenger Car Motor Oils (PCMO) are formulated to provide engine protection under severe operating conditions. They are blended from highly refined hydroprocessed mineral oils and synthetic polymeric base stocks, compounded to provide outstanding protection against wear and corrosion, prevent oxidative thickening and inhibit promotion of engine acids, sludge and varnish deposits. These multi-grades may be used over a very wide temperature range to permit easier cold weather starting and help minimize engine friction at start-up. They also provide added protection at higher than normal engine operating temperatures.

## APPLICATIONS

Recommended for all major automotive gasoline engines, including those equipped with superchargers, used in passenger cars, light trucks, power boats, motorcycles and other mobile and stationary equipment. These oils also are used in a variety of commercial, industrial, and special mechanical system applications. All grades meet API Service Categories SM, SL, SJ/CF. SAE 5W-20, 5W-30, and 10W-30 are rated ILSAC: GF-4 "Energy Conserving". SAE 5W-50 provides operating conditions over an extreme temperature range.