

## **PREMIUM SYNTHETIC MULTIGRADE PCMO**

**[Passenger Car Motor Oil, API SM]**

**SAE GRADES 5W-20, 5W-30, 10W-30, 5W-50, 15W-50**

SAE GRADE	<u>Typical Properties</u>				
	5W-20	5W-30	10W-30	5W-50	15W-50
Automotive	5W-20	5W-30	10W-30	5W-50	15W-50
API Classification	SM/CF	SM/CF	SM/CF	SM/CF	SM/CF
ILSAC	GF-4	GF-4	GF-4		
Viscosity, cSt					
At 40 C	50.7	57.4	65.8	91.3	127.7
At 100 C	8.7	10.3	10.4	19.3	18.0
Viscosity Index	150	170	145	235	157
Cold Cranking, cP	-30°C max 6600	max 6600		max 6600	
	-25°C		max 7000		
	-20°C				max 7000
Flash Point, (COC) °C(°F)	221(430)	232(450)	232(450)	232(450)	238(460)
Pour Point, °C(°F)	-48(-55)	-46(-50)	-40(-40)	-46(-50)	-37(-35)
Neut. No., ASTM D-2896	7.0	7.0	7.0	7.0	7.0
Gravity, API @ 60 F	33.0	32.3	32.0	32.0	31.5
Sulfated Ash, %wt.	<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.

Premium Synthetic Multigrade Passenger Car Motor Oils (PCMO) are formulated to provide engine protection and performance under severe operating conditions. They are blended from synthetic base stocks and compounded to provide outstanding protection against wear and corrosion, prevent oxidative thickening and inhibit promotion of engine acids, sludge and varnish deposits. These multigrade oils may be used over an extreme 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 equipment performing under extreme temperatures and demanding operating conditions. These oils can also be used in a variety of commercial, industrial, and special mechanical system applications. All grades meet API Service Categories SM, SL, SJ/CF. SAE Grades 5W-20, 5W-30 and 10W-30 are rated ILSAC: GF-4 "Energy Conserving".