

## PREMIUM MULTIGRADE PCMO

[Passenger Car Motor Oil, API SL]

**SAE GRADES: 5W-20, 5W-30, 10W-30, 10W-40, 20W-50**

### Typical Properties

SAE GRADE Automotive	5W-20	5W-30	10W-30	10W-40	20W-50
Viscosity, cSt					
At 40 C	50.0	61.2	69.5	100.5	175.0
At 100 C	8.6	10.4	10.5	14.1	18.5
Viscosity Index	150	160	138	144	120
Viscosity, cP max @ -30C	6600	6600			
cP max @ -25C			7000	7000	
cP max @ -15C					9500
Flash Point, (COC) Deg F	+400	+405	+405	+415	+450
Pour Point, Deg F	-35	-35	-30	-30	-20
Neut. No., TBN-E, ASTM D-2896	7.0	7.0	7.0	7.0	7.0
Gravity, API @ 60 F	29.2	29.0	28.5	28.3	27.2
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 Passenger Car Motor Oils (PCMO) are formulated to provide engine protection under severe operating conditions. They are blended from selected and highly refined base oils compounded to provide protection against wear and corrosion, prevent oxidative thickening and inhibit promotion of engine acids, sludge and varnish deposits. The multi-grades may be used over a wide temperature range. They permit easier cold weather starting and help minimize engine friction at start-up.

### APPLICATIONS

Recommended for all major automotive gasoline engine applications, including those equipped with both superchargers and turbochargers, used in passenger cars, light trucks, power boats, motorcycles and other mobile and stationary equipment. SAE grades 5W-20, 5W-30 and 10W-30 meet current API Service Categories SL/CF, and comply with ILSAC GF-3 requirements. Both 10W-40 and 20W-50 meet API Classification SL/CF. All grades are recommended in place of former API Classifications SG, SH, SJ.