

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

Typical Properties

SAE Auto Grade	5W-20	5W-30	10W-30	10W-40	20W-50
API Service Category	SN	SN	SN	SN	SN
ILSAC	GF-5	GF-5	GF-5		
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 @ -30°C	6600	6600			
cP max @ -25°C			7000	7000	
CP max @ -15°C					9500
Flash Point, (COC) Deg °F	+400	+405	+415	+415	+450
Pour Point, Deg °F	-35	-35	-30	-30	-20
Neut. No., TBN-E, ASTM D-2896	7.5	7.5	7.5	7.5	7.5
Gravity, API @ 60°F	31.0	30.5	30.0	29.0	27.5
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 Passenger Car Motor Oils (PCMO) are formulated to provide engine protection under severe operating limits. SAE grades 5W-20, 5W-30, & 10W-30 are rated ILSAC GF-5 “Energy Conserving”. These API SN oils (including SAE 10W-40 and SAE 20W-50) are intended to extend automotive life by providing engine protection against city traffic and reducing the harmful effects of high and low-temperature operations. Their backward compatibility with previous API/ILSAC Specifications allows for use in older vehicles. They are blended from selected and highly refined base oils compounded to provide protection against wear and corrosion, prevent oxidative thickening, inhibit the promotion of engine acids, prevent sludge, and reduce varnish deposits. These multi-grades may be used over an extended temperature range and permit easier cold weather starting thereby minimizing the effects of engine friction at startup.

## 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 ILSAC GF-5 requirements and all grades are suggested for use in place of former API Classifications SM, SL, SJ, SH. For optimum vehicle performance, operating under normal conditions, it is recommended that crankcase oil change intervals should not exceed the manufacturers requirements.