



CARIENT S-PRO

Opticore Technology



PSO Carient S-Pro is a next-generation fully-synthetic highly advanced multi-grade engine oil based on the latest technology to give optimum engine performance by meeting and exceeding the requirements of API SP, and matching Resource Conserving ILSAC GF-6A. This oil is specially developed to give maximum performance from every moving part of the engine and ensures to deliver exceptional power and fuel economy.

Benefits

- Optimum Performance product blended with fully synthetic base stocks combined with the high-tech additive technology that meets/exceeds performance levels of API SP & ILSAC GF-6A.
- 20% improved protection (1) against Low-Speed Pre-Ignition (LSPI).
- Enhanced protection of timing chain by 20% (2) and valve train by 30% (3) against wear thus extending chain and valve train life to ensure optimum engine output throughout its life.
- Outstanding protection against piston deposits ensuring engine cleanliness at higher operating temperature to enhance engine service life.
- Extra stringent sludge and varnish control.
- 20% improved fuel economy (4) as compared to higher viscosity oils and ILSAC GF-6A standard.
- Enhanced After Treatment Device (ATD) protection.

(1) Compared to SP limits as measured in the Ford sequence IX

(2) Compared to SP limits as measured in the Ford sequence X

(3) Compared to SP limits as measured in the Ford sequence IVB

(4) Compared to SP limits as measured in the GM sequence VIE

Applications

- Perfect for all modern American, Japanese, European, Korean and Chinese gasoline cars, SUVs, vans and pickups.
- Backward compatible to both API SN PLUS and API SN oils.
- Specially designed for most modern gasoline engines equipped with catalytic converter and blow-by-gas recirculation.
- Most suitable for Turbocharged Gasoline Direct Injection (TGDI) engine, the oil is designed to prevent damage from Low-Speed-Pre-Ignition (LSPI).
- Equally meets the requirement for hybrid engines.
- Best for vehicles operating in extreme hot and cold weather conditions.

Performance Standards

- API SP
- ILSAC GF-6A
- GM Dexos1

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS	
		0W-20	5W-30
Density @ 15°C, kg/L	ASTM D-4052	0.8418	0.8509
K. Viscosity @ 100°C, cSt	ASTM D-445	8.33	11.36
K. Viscosity @ 40°C, cSt	ASTM D-445	44.93	68
Viscosity Index	ASTM D-2270	163	161
Flash Point (COC), °C	ASTM D-92	230	230
Pour Point, °C	ASTM D-97	-45	-42
Total Base Number, mg KOH/g	ASTM D-2896	7.2	7.2

*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from lubricants.technical@psopk.com