



CARIENT S-PRO

Opticore Technology



PSO Carient S-Pro represents the latest generation of fully synthetic, highly advanced multi-grade engine oil. Utilizing cutting-edge technology, it surpasses API SP specifications and aligns with Resource Conserving ILSAC GF-6A standards. Tailored for optimal engine performance, this oil maximizes the potential of each engine component, ensuring remarkable power and fuel economy.

Benefits

- Formulated for peak performance, this product integrates fully synthetic base stocks with advanced additive technology, surpassing API SP & ILSAC GF-6A performance standards.
- Offers a 20%⁽¹⁾ enhancement in protection against Low-Speed Pre-Ignition (LSPI).
- Improves timing chain protection by 10%⁽²⁾ and valve train by 30%⁽³⁾, prolonging their lifespan and ensuring optimal engine performance.
- Provides exceptional protection against piston deposits, maintaining engine cleanliness even at elevated temperatures, thereby extending engine service life.
- Exemplary control over sludge and varnish formation.
- Achieves a 20%⁽⁴⁾ boost in fuel economy compared to higher viscosity oils and the ILSAC GF-6A standard.
- Augmented protection for After Treatment Devices (ATD).

(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

- Ideal for contemporary American, Japanese, European, Korean, and Chinese gasoline vehicles, including SUVs, vans, and pickups.
- Compatible with API SN PLUS and API SN oils, offering backward compatibility.
- Tailored for modern gasoline engines featuring catalytic converters and blow-by-gas recirculation systems.
- Specifically formulated for Turbocharged Gasoline Direct Injection (TGDI) engines, safeguarding against Low-Speed-Pre-Ignition (LSPI) damage.
- Complies equally with requirements of hybrid engines.
- Best suited for vehicles operating in severe hot or cold climate conditions

Performance Standards

- API SP (Licensed)
- ILSAC GF-6A (Licensed)
- API SN

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS	
SAE		0W-20	5W-30
Density @ 15°C, kg/L	ASTM D-4052	0.8479	0.8535
Kinematic Viscosity @ 100°C, cSt	ASTM D-445	8.15	10.97
Kinematic Viscosity @ 40°C, cSt	ASTM D-445	44.24	66.29
Viscosity Index	ASTM D-2270	160	157
Flash Point (COC), °C	ASTM D-92	216	218
Pour Point, °C	ASTM D-97	-42	-33
Total Base Number, mg KOH/g	ASTM D-2896	7.37	7.30

*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