# 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

- Offers 80%[1] improved oxidation resistance resulting in longer drain intervals.
- Formulated for peak performance, this product integrates fully synthetic base stocks with advanced additive technology, surpassing API SP & ILSAC GF-6A performance standards.
- Exhibits 100%[2] improved protection against Low-Speed Pre-Ignition (LSPI).
- Improves timing chain protection by 7%[3] and valve train by 60%[4], 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 10%[5] 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 Sequence IIIH
(2) Compared to SP limits as measured in the Sequence IX
(3) Compared to SP limits as measured in the Sequence X
(4) Compared to SP limits as measured in the Sequence IVB
(5) Compared to SP limits as measured in the 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)
- Chrysler MS-6395
- Ford WSS-M2C963-A

## Typical Characteristics*

| PROPERTIES | METHODS | TYPICAL RESULTS | |
|---|---|---|---|
| SAE | | 0W-20 | 5W-30 |
| Density @ 15°C, kg/L | ASTM D-4052 | 0.8474 | 0.8529 |
| Kinematic Viscosity @ 100°C, cSt | ASTM D-445 | 7.97 | 10.77 |
| Kinematic Viscosity @ 40°C, cSt | ASTM D-445 | 43.0 | 64.78 |
| Viscosity Index | ASTM D-2270 | 160 | 157 |
| Flash Point (COC), °C | ASTM D-92 | 216 | 220 |
| Pour Point, °C | ASTM D-97 | -42 | -36 |
| Total Base Number, mg KOH/g | ASTM D-2896 | 6.12 | 6.10 |

*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

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