



CARIENT FULLY SYNTHETIC

PAO Technology



PSO Carient Fully Synthetic, a revitalized newly developed PAO Technology Formula, is an amalgamation of synthetic base oil and Poly alpha olefins (PAO). Its PAO technology creates a seamless lubricating layer between metallic surfaces, reducing friction and improving fuel economy. Its blend of cutting-edge additive technology and premium synthetic base oils offers superior protection for high performance RPM engines and precisely engineered modern passenger car engines, ensuring resilience in extreme temperatures and challenging driving conditions.

Benefits

- Utilizing premium synthetic base stocks and Polyalphaolefin (PAO) along with advanced additive package, ensures optimal engine protection and performance.
- The advanced technology sustains oil fluidity across a wide temperature spectrum, ensuring lubrication of engine components, facilitating smooth start-ups, and maximizing engine protection.
- Exceptional shear stability and a high viscosity index enhance oil longevity by preserving a protective film between moving components, particularly under extreme temperatures, heavy loads, and high-speed conditions.
- Uniform molecules minimize oil consumption, diminishing deposits on engine components and oil supply lines, contributing to sustained fuel economy and environmental cleanliness.
- Preserves engine integrity across diverse temperature ranges, minimizing engine downtime and lowering maintenance expenses while improving fuel economy at lower oil temperatures.
- An effective anti-sludge agent in the formulation extends the oil drain interval, maintaining engine cleanliness for extended durations and preventing oil starvation due to filter blockages.

Application

- Suitable for use in all categories of precisely designed contemporary passenger vehicles.

Approval & Specification

- API SN (Licensed)

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS
SAE		5W-30
Density @ 15°C, kg/L	ASTM D-4052	0.8532
K. Viscosity @ 100°C, cSt	ASTM D-445	11.04
K. Viscosity @ 40°C, cSt	ASTM D-445	67.74
Viscosity Index	ASTM D-2270	155
Flash Point (COC), °C	ASTM D-92	222
Pour Point, °C	ASTM D-97	-36
Total Base Number, mg KOH/g	ASTM D-2896	7.32

*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