



PRODUCT INFORMATION & DATA SHEET

SS1 SAE 5W-30

Low-friction synthetic motor oil, formulated with specially selected synthetic base stocks and advanced additive technology, meets API SP-RC (Resource Conserving) and ILSAC GF-6A fuel-conserving standards. It enhances performance and extends the lifespan of both new-generation and older passenger car gasoline engines, with or without hybrid technology. This oil helps to improve fuel efficiency and reduces exhaust emission while delivering excellent performance across multiple areas, including city stop-start and cold-start wear protection, power-robbing piston deposit and sludge resistance, and combats corrosion and rust.

SS1 meets API SP performance benchmark and delivers the added performance benefits needed to meet the demanding gasoline engine technology, including downsizing, turbocharging, direct injection, gasoline particulate filter (GPF), and catalytic converter. This oil offers elevated protection against stochastic pre-ignition event (LSPI) and wear protection for timing chains, and bearing components. It delivers significantly enhanced thermal and oxidation stability compared to SN oils, ensuring better engine cleanliness, durability, and operating efficiency.

Performance Levels

API SP-RC, Chrysler MS-6395, GM 6094M, ILSAC GF-6A

Key Benefits

- Cutting-edge synthetic technology strengthens engine reliability and enhances responsiveness.
- Advanced viscosity stability for all-weather and all-temperature engine protection.
- Excellent shear-stable protection combats friction and wear, enhancing fuel economy.
- Lubrication performance remains stable with excellent thermal and oxidation stability.
- Instant engine protection with outstanding low-temperature flowability and pumpability.
- Optimized wear protection technology improves city start-stop driving durability.
- Superior deposits control shields against turbo coking and ensures engine cleanliness.
- Fits all gasoline engine generations, with or without hybrid, turbocharger and catalytic converter.

Areas of Application

Ideal for a wide range of hybrid and non-hybrid gasoline and LPG engines across generations, equipped with or without turbocharging, direct injection, and catalytic converters. The API SP and ILSAC GF-6A standards are backward compatible with earlier standards. However, this oil is not recommended for new-generation diesel engines equipped with EGR, DPF, SCR Nox Reduction systems.

Service Recommendation

Follow the manufacturer's recommended oil drain interval and refer to the owner's manual. We recommend flushing the engine before adding new oil and replacing the oil filter during the oil change.

Commercially Available Product Compatibility

Our PCMO is fully compatible with any synthetic and conventional engine oil. Maximum performance is assured only when used on its own, without being mixed with other oils.

Typical properties

<u>SAE Viscosity</u>		<u>5W-30</u>
Viscosity Index (VI)	ASTM D2270	154
Viscosity at 100 °C; mm ² /s	ASTM D445	9.7
Viscosity at 40 °C; mm ² /s	ASTM D445	59.0
Density at 15 °C; kg/m ³	ASTM D4052	858.0
HTHS Viscosity at 150 °C; mPa.s	ASTM D4683	< 3.5
CCS Viscosity at -30 °C	ASTM D5293	< 6600
Flash Point; °C	ASTM D92	220
Pour Point; °C	ASTM D97	-42
Sulfated Ash; mass%	ASTM D874	0.88
Total Base Number; mgKOH/g	ASTM D2896	6.5

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.

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