



## PRODUCT INFORMATION & DATA SHEET

# PRINCE® SS1 Fuel Economy + SAE 5W-30

The Nonpareil Fuel-efficient Synthetic Motor Oil.

PRINCE® SS1 Fuel Economy + is a cutting-edge low-friction and reduced viscosity motor oil developed for all hybrid/ non-hybrid gasoline vehicles comply with the latest API SP Resource Conserving and ILSAC GF-6A requirements, made with the combination of ultra-advanced synthetic base oils and additive technology to delivers improved fuel economy retention, protection against deposits, sludge, wear and thermal degradation, as well as exhaust reduction system and environment protection over API SN Plus and API SN motor oils.

This motor oil contains additive system with low emissions properties to address the continuing challenges from the stringent emissions regulation.

This motor oil has unique friction modifier and anti-wear additives for long-lasting wear protection especially essential for all of the current turbocharged gasoline direct injection (TGDI) engines, and provides comprehensive protection on timing chain and avoids catastrophic engine failure by increased premature ignition protection (LSPI).

This motor oil meets or even exceeds the following specification standards:

API SP Resource Conserving, API SN Plus, Chrysler MS-6395, Ford WSS-M2C946-A, Ford WSS-M2C946-B1, Ford WSS-M2C961-A1, GM 6094M, GM dexos1, ILSAC GF-6A

Some of the benefits of using this motor oil:

- A newest synthetic formulation offering improved piston-cylinder and turbocharger deposits protection and fuel efficiency over API SN Plus and ILSAC GF-5 motor oils.
- Compliance to turbocharged gasoline direct injection (TGDI) engines by safeguarding against engine damage and preserving horsepower.
- Contains anti-friction and anti-wear additives to minimize metal-to-metal wear, prevent compression loss and extend the service life of engine.
- Excellent thermal and oxidation stability minimize oil thickening and prevent oil breakdown due to very high working temperatures.
- Good fluid mobility and sub-zero temperature pumpability ensures quicker oil circulate and penetration to avoid wear in the morning as well as traffic idling.
- Low evaporation tendency ensures lower oil burnt and consumption, able to maintain oil pressure level under all driving modes.
- Optimum protection on the latest Gasoline particulate filter (GPF) and protection of engines running on ethanol containing fuel up to E85.
- Tested safe on the latest turbocharger, Three-way catalysts (TWC) and sealing materials.

## Areas of application

Especially for application in modern American and Asian hybrid/non-hybrid passenger cars, SUVs and light-duty trucks requiring a low-friction and reduced viscosity motor oil. Ideally suitable for use in the latest turbocharged direct injection (TGDI) engines, and other engine designs including natural aspirated, multi-valve, VVT with and without catalytic converters and GPF.

The current API and ILSAC specifications are backward compatible.

However, this motor oil is not recommended for use in diesel engines equipped with modern exhaust after-treatment systems.

## Typical properties

<u>SAE Viscosity</u>		<b>5W-30</b>
Viscosity Index (VI)	ASTM D2270	158
Viscosity at 100 °C; mm <sup>2</sup> /s	ASTM D445	10.8
Viscosity at 40 °C; mm <sup>2</sup> /s	ASTM D445	59.6
Density at 15 °C; kg/m <sup>3</sup>	ASTM D4052	838.0
HTHS Viscosity at 150 °C; cP	ASTM D4683	3.3
Flash Point; °C	ASTM D92	228
Pour Point; °C	ASTM D97	-34

## Service recommendations

Follow the oil drain interval required by the respective manufacturers. Observe the owner's manual booklet. Recommend to flush before add in new oil. Change oil filter at time of oil change.

## Commercially available product compatibility

Our synthetic motor oil is compatible with fully synthetic, synthetic, semi-synthetic and conventional motor oils. Peak performance is guaranteed only upon using alone without mixing with other motor oils. Our motor oil products are designed and developed with appropriate additive package. Hence, aftermarket oil additive products are not recommended for used alongside.

## Product availability

This product may not be available locally. Contact your local distributor.

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.