



PRODUCT INFORMATION & DATA SHEET

FSe SAE 0W-16 GF-6B

A shear-stable, low HTHS (High-Temperature High-Shear) viscosity, ultra-fuel-efficiency (UFE) fully synthetic motor oil formulated with eco-friendly low SAPS additive technology, making it compatible with the latest exhaust after-treatment systems and ensuring their efficiency is maintained throughout the life of the modern emissions-conscious and energy-conserving engines. This state-of-the-art motor oil meets or exceeds the latest API SP-RC and ILSAC GF-6B fuel-conserving and environmental protection standards. It is optimized for hybrid compatibility, enhanced fuel economy, robust wear protection, and superior low-temperature performance. The cutting-edge additive technology delivers unrivalled protection against aeration, corrosion, piston deposit buildup, timing chain wear, and low-speed pre-ignition (LSPI), especially in demanding, downsized gasoline engines from Japanese manufacturers.

Performance Levels

API SP-RC, ILASC GF-6B

Key Benefits

- Advanced anti-wear technology protects vital engine parts ensuring their longevity.
- Consistent oil performance across all temperatures with a stable viscosity index.
- Excellent thermal stability and oxidation resistance extend both oil and engine life.
- Outstanding low-temperature fluidity for immediate protection at start-up especially in winter.
- Low internal friction boosts fuel savings and promotes eco-friendly performance.
- Optimized ash levels improve catalyst functionality and three-way catalyst operation.
- Optimal engine cleanliness with our specialized detergent and dispersant formulation.
- Perfectly suited with downsized gasoline engines utilizing stop-start technology.

Areas of Application

Developed particularly for the latest generation Japanese hybrid and gasoline engines, where the manufacturers recommend using a 0W-16 oil. The ILSAC GF-6B standard is not interchangeable with GF-6A, nor backward compatible with previous ILSAC standards.

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>0W-16</u>
Viscosity Index (VI)	ASTM D2270	161
Viscosity at 100 °C; mm ² /s	ASTM D445	7.3
Viscosity at 40 °C; mm ² /s	ASTM D445	38.6
Density at 15 °C; kg/m ³	ASTM D4052	844.0
HTHS Viscosity at 150 °C; mPa.s	ASTM D4683	< 3.5
CCS Viscosity at -35 °C	ASTM D5293	< 6200
Flash Point; °C	ASTM D92	230
Pour Point; °C	ASTM D97	-45
Sulfated Ash; mass%	ASTM D874	0.91

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.

PRINCE GLOBAL PTE LTD

9 Raffles Pl, #22-01 Republic Plaza, Singapore 048624.
Enquiry: info@princelubricants.com