PRINCE LUBRICANTS®

PRODUCT INFORMATION
& DATA SHEET

FS1 EUROGEN SAE 0W-30 C3

Mid SAPS, high-performance fully synthetic motor oil featuring a proprietary additive system and optimized by P-9 Ester Technology, specially developed for use in the latest generation passenger car gasoline engines and certain light-duty diesel engines, where manufacturers recommend ACEA C3, API SP, or earlier specifications. This oil with low ash additive technology ensures the optimal functionality and reliability of modern exhaust after-treatment systems (DPF, GPF, TWC) in the latest passenger car and light-duty diesel and gasoline engines, especially those from major European car manufacturers, without compromise. Perfectly suited for use in the most recent turbocharged and direct injection (GDi, TGDi) gasoline engines.

FS1 EUROGEN meets API SP performance benchmark and offers the added performance benefits needed to meet the demanding modern gasoline engine technology, including downsizing, turbocharging, gasoline direct injection, gasoline particulate filter (GPF), and three-way catalyst (TWC). It offers elevated protection against stochastic pre-ignition event (LSPI) and wear protection for timing chains, and bearing components. It features significantly improved thermal and oxidation stability versus SN oils, providing exceptional shields against piston deposits and sludge in vital engine parts to ensure utmost engine durability and efficiency.

Performance Levels

ACEA C3, API SP, BMW LL-04, MB 229.31, MB 229.51, MB 229.52, Porsche C30, VW 504.00, VW 507.00

Key Benefits

- A strong lubricating film delivers lasting engine protection in long drain intervals.
- Advanced anti-wear technology protects sensitive engine parts ensuring their longevity.
- Exceptional oil performance across all temperatures with a high viscosity index.
- Superior shear stability maintains viscosity and oil film strength under stressful conditions.
- Excellent thermal stability and oxidation resistance extend both oil and engine life.
- Low pour point enables rapid oil circulation and immediate wear protection in winter.
- Low volatility ensures lower evaporation loss for a better oil consumption control.
- Optimized friction reduces fuel consumption and enhances driving smoothness.
- Unmatched engine cleanliness with our unique detergent and dispersant formulation.
- Gives maximum protection to the latest kinds of exhaust after-treatment systems.

Areas of Application

Developed to comply with the demanding ACEA C3 performance standards for a wide range of diesel, gasoline, and hybrid engines in passenger cars, SUVs, and light-duty vehicles from European manufacturers, as well as for Asian passenger car gasoline engines requiring an API SP oil, whether equipped with turbocharging, direct injection, diesel particulate filters, or gasoline particulate filters. The LONGLIFE properties of this oil supports an extended drain interval, if recommends by the manufacturer.

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

SAE Viscosity		**0W-30**
Viscosity Index (VI)	ASTM D2270	177
Viscosity at 100 °C; mm²/s	ASTM D445	12.0
Viscosity at 40 °C; mm²/s	ASTM D445	68.7
Density at 15 °C; kg/m³	ASTM D4052	843.0
HTHS Viscosity at 150 °C; mPa.s	ASTM D4683	< 3.5
CCS Viscosity at -35 °C	ASTM D5293	< 6200
Flash Point; °C	ASTM D92	228
Pour Point; °C	ASTM D97	-51
Sulfated Ash; mass%	ASTM D874	0.8
Total Base Number; mgKOH/g	ASTM D2896	8.4

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