



PRODUCT INFORMATION & DATA SHEET

FS1 EUROGEN SAE 0W-20 C5

Low SAPS, low HTHS (High-Temperature High-Shear) viscosity, fully synthetic motor oil, featuring leading-edge additives and optimized by P-9 Ester Technology, offers unparalleled fuel-economy and engine protection across high and low operating temperatures. 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, TGD_i, TD_i) downsized 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 C5, API SP, BMW LL-17 FE+, Fiat 9.55535-DSX, Fiat 9.55535-GSX, Ford WSS-M2C952-A1, Ford WSS-M2C954-A1, Ford WSS-M2C962-A1, Jaguar Land Rover STJLR.03.5006, GM dexosD™, MB 229.71, MB 229.72, Opel OV 040 1547 -A20, Volvo RBS0-2AE (Service Fill)

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 ACEA C5 performance standards for current 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 API SP specify oil, whether equipped with or without turbocharging, direct injection, diesel particulate filters, or gasoline particulate filters.

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-20</u>
Viscosity Index (VI)	ASTM D2270	181
Viscosity at 100 °C; mm ² /s	ASTM D445	8.0
Viscosity at 40 °C; mm ² /s	ASTM D445	40.6
Density at 15 °C; kg/m ³	ASTM D4052	841.0
HTHS Viscosity at 150 °C; mPa.s	ASTM D4683	< 3.5
CCS Viscosity at -35 °C	ASTM D5293	< 6200
Flash Point; °C	ASTM D92	222
Pour Point; °C	ASTM D97	-45
Sulfated Ash; mass%	ASTM D874	0.77
Total Base Number; mgKOH/g	ASTM D2896	8.0

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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