



PRODUCT INFORMATION & DATA SHEET

FS SUPER SAE 0W-30 A5/B5

High-performance, fully synthetic motor oil, meticulously developed to enhance engine efficiency and protect the latest-generation of low-emission, fuel-conserving gasoline and diesel engines, particularly those from BMW, Mercedes-Benz, and Volvo, which require lowered-viscosity and extended-life oils. This oil ensures excellent cold starting in extreme weather conditions and provides protection for critical engine components at high operating temperatures, thanks to its exceptional thermal and shear stability characteristics. The cutting-edge additive system reduces carbon deposits, improving engine response and maintaining peak power at multiple driving conditions, while its superior friction properties promote fuel saving potential and minimize CO2 emissions.

Performance Levels

API SP, ACEA A5/B5, BMW LL-01 FE, MB 229.6, Volvo 95200377, VW 503.00

Key Benefits

- A strong lubricating film delivers dependable engine protection in long drain intervals.
- Advanced anti-wear technology protects sensitive engine parts ensuring their longevity.
- Biofuel compatible, ideally suited for engines running on biofuel mixtures, e.g. E85.
- Exceptional oil performance across all temperatures with a high viscosity index.
- Excellent thermal stability and oxidation resistance extend both oil and engine life.
- Excellent low-temperature flow capabilities for immediate engine protection at start-up.
- Superior shear stability preserves viscosity and oil film strength even under stress.
- Low pour point safeguards against turbocharger oil starvation in cold temperatures.
- Optimized friction reduces fuel consumption and enhances driving smoothness.
- Unmatched engine cleanliness with our specialized detergent and dispersant formulation.

Areas of Application

Initially designed for Volvo vehicles according to the 95200377 specification. This oil is mainly for passenger car and light-duty vehicle with gasoline and diesel engines, particularly from BMW, Mercedes-Benz, and Volvo, where an ACEA A5/B5 specified 0W-30 oil is required. It is also well-suited for Japanese vehicles, including Honda and Toyota gasoline engines, where a winter 0W-30 oil viscosity is recommended.

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-30</u>
Viscosity Index (VI)	ASTM D2270	174
Viscosity at 100 °C; mm ² /s	ASTM D445	9.2
Viscosity at 40 °C; mm ² /s	ASTM D445	51.6
Density at 15 °C; kg/m ³	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	220
Pour Point; °C	ASTM D97	-48
Sulfated Ash; mass%	ASTM D874	1.05
Total Base Number; mgKOH/g	ASTM D2896	10.0

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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