



AISIN synTECH+ Fully Synthetic Motor Oil 5W-40 SP

ADVANCED TECHNOLOGY ENGINE OIL

DESCRIPTION

AISIN synTECH+ Fully Synthetic 5W-40 SP is formulated from VHVI base oils, high performance additive systems and leading-edge viscosity index improver, which meets the requirement of current advanced top-tier engine oil grade of API SP. It is high-performance, highly shear-stable, multi-grade passenger vehicles motor oil applicable for both gasoline and diesel engines. Aisin synTECH+ 5W-40 SP minimizes abrupt damage of key engine components (such as piston rings, connecting rods and so on) by prevention of LSPI (Low Speed Pre-Ignition) phenomena in T-GDI engines.

TYPICAL APPLICATIONS

- All passenger vehicles and light trucks are equipped with four-cycle gasoline (and diesel) engines both aspirated, turbo charged, DOHC, EFI and VVT features.
- Four-stroke gasoline engines in motorcycles (except for motorcycles with wet clutch gearbox).
- Sports Vehicles

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PERFORMANCE STANDARDS

- API SP

CUSTOMER BENEFITS

- **Prevention & Protection of LSPI (Low Speed Pre-Ignition) phenomena for T-GDI engines.**

Minimizes abrupt damage of key engine components (such as piston rings, connecting rods and so on) by prevention of LSPI (Low Speed Pre-Ignition) phenomena in T-GDI engines.

- **Fuel economy**

The wide temperature range capability of the synthetic technology base fluid ensures correct oil viscosity to reduce friction at start-up, and to provide maximum lubricity during high temperature operation.

- **Engine power and maintainability**

Reduced piston blow-by gas with the oil's cleanliness effect could maintain engine power and maintaining engine cleanliness with its prevention of engine sludge forming will extend engine service life.

- **Oil drainage interval**

Excellent oxidation resistance and low volatility will extend oil drainage interval.

- **All-temperature wear resistance**

Advanced non-conventional base oil formulation, high performance additive systems and leading-edge viscosity index improver deliver excellent shear stability and maximum wear protection in high speed, high temperature driving conditions and rapid, highly effective oil film protection and component wear resistance during very low temperature cold starts.

KEY PROPERTIES

SAE Viscosity	Density (@ 15°C)	Kinematic Viscosity, mm ² /s		Viscosity Index	Pour Point (°C)	Flash Point (°C)
		@ 40°C	@ 100°C			
5W-40	0.850	84.0	13.8	169	-40	228

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