



AISIN Fully Synthetic Motor Oil

PREMIUM SYNTHETIC (PAO+ESTER) ENGINE OIL FOR PASSENGER CAR

DESCRIPTION

Premium performance, multi-grade motor oil formulated from selected synthetic base fluids and race-proven additive technology for use in passenger car and light truck gasoline engines and passenger car diesel engines under all operating conditions.

It is optimized to provide complete engine protection plus ultimate performance.

TYPICAL APPLICATIONS

- Naturally aspirated and turbocharged gasoline engines in passenger cars
- Light truck gasoline engines
- Naturally aspirated and turbocharged diesel engines in passenger cars
- Gas-fueled (natural gas and LPG) spark ignition engines where conventional passenger car motor oils are recommended Four-stroke gasoline engines in motorcycles and portable power equipment where the manufacturer recommends conventional passenger car motor oils

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PERFORMANCE STANDARDS

- API SN/CF
- ACEA A3/B3-04, A3/B4-04
- ACEA C3-04
- BMW Longlife-01, BMW Longlife-04
- Mercedes-Benz 229.51
- Porsche
- Volkswagen, 502.00/505.00

CUSTOMER BENEFITS

- **Maximum engine life**

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

The effective anti-wear additive system minimizes wear in even the most sophisticated valve train mechanisms, including those with variable valve timing.

- **Lower impact emissions**

Highly advanced additive technology delivers reduction in harmful exhaust emissions. This advanced technology performance, enhanced by low phosphorus and sulfur formulation (Low SAPS) reduces ash formation and delivers a significant increase in DPF service life.

- **Maximum power and performance**

Metallic detergent and ash-less dispersant additive system ensures maximum power and performance by providing superior control of ring belt and piston skirt deposits, even under the most severe operating conditions. Special friction modifiers assist in reducing friction for maximum fuel economy.

- **Minimum maintenance costs**

Superior thermal stability and oxidation resistance provides maximum protection against in-service oil degradation which contributes to filter blocking and sludge formation in the oil galleries, crankcase and valve train.

- **Low oil consumption**

Synthetic, highly shear-stable formulation provides superior control of oil flow through the ring belt area by maintaining oil viscosity, and reduces oil evaporation at the elevated ring zone temperatures experienced under all operating conditions.

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KEY PROPERTIES

SAE Viscosity	Density (g/cm ³ @ 15°C)	Kinematic Viscosity, mm ² /s		Viscosity Index	Pour Point (°C)	Flash Point (°C)
		@ 40°C	@ 100°C			
5W-30	0.854	62.4	10.5	157	-43	232
5W-40	0.855	92.0	14.8	169	-43	232

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