

ENGINE OIL SAE 5W40

(Engine Oils Formulated with 100% Synthetic Oil)



DESCRIPTION

PATROL Oil SAE 5W-40 API SP is an innovative fully synthetic engine oil formulated for use in next-generation gasoline engines – turbocharged gasoline direct injections (TGDI), and all other vehicles operating under severe urban conditions where “Stop-Start” modes are typical. It provides excellent lubrication and wear protection in downsized and powerful engines operating in severe driving conditions. It resists premature oil ageing to fully optimize the engine oil life. Guaranteed protection against Low-Speed Pre-Ignition (LSPI) and timing chain wear.

This engine oil is enhanced with unique anti-friction technology, Zero Friction Molecular, to considerably reduce friction and wear of highly loaded engine parts that are exposed to intensive duty cycles and high operating temperatures. Excellent oxidation control, better wear protection, minimized sludge formation, superior piston cleanliness and ultimate performance for an extended engine life. are premium performance synthetic motor oils delivering ultimate performance and protection. It provides exceptional cleaning power, wear protection and overall performance keeping your engine running like new in all driving conditions.

APPLICATIONS

Recommended for all types of gasoline fueled engines requiring a viscosity grade of SAE 5W-40 API SP engine oil. For passenger cars, vans, CUVs, SUVs, light duty trucks and other vehicles fitted with recent gasoline engines. Helps protect engines operating on E85 fuels.

Suitable for use in diesel engines requiring API CF oils.

Backward compatible to API SN PLUS, API SN.

PROPERTIES

PATROL Fully Synthetic Oil series are high performance engine oils specifically developed to provide the highest fuel economy and lowest CO2 emissions.

These result from laboratory synthesis of precisely controlled ingredients created by oil engineers, scientists and chemists.

When combined with a high-performance additive package, this results in an oil with the highest levels of lubrication and engine protection, generally offering better protection at startup, better cleansing qualities, enhanced durability and better protection against heat buildup.

PRODUCT BENEFITS

- Latest additive technology coupled with synthetic base fluids makes these oils robust and provides improved
- sludge protection, piston cleanliness, turbo-charger protection, seal compatibility and wear protection.
- Compatible with ethanol-containing fuels up to E85. Also helps in emission system durability
- Provides excellent lubrication at low temperatures and protect engine at high temperatures.
- The special friction modifiers used in the Resource Conserving oils improve & retain fuel economy.
- Superior volatility characteristics reduce oil consumption and hydro-carbon pollution.
- These grades are compatible with conventional passenger car motor oils.
- Formulated to provide Low Speed Pre-Ignition (LSPI) and timing chain wear protection in modern turbocharged direct injection gasoline engines

RECOMMENDATIONS / SPECIFICATIONS

MEETS OR EXCEEDS API SP; API SN Plus, API SN; ILSAC GF-6A; ACEA C3, A3/B4; MB 229.31/229.51; BMW LL04; PorscheA40; Renault RN0700; Renault RN0710; VW 502.00/505.00, 505.1; Fiat 9.55535-S2; Ford WSS-M2C917-A; PSA B712296

TYPICAL TECHNICAL PROPERTIES

Density at 15°C, g/ml, ASTM D4052	0.855
Cold Cranking Viscosity (CCS), mPas, ASTM D5293	5800@-30°C
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	90
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	14.5
Viscosity Index, ASTM D2270	170
Flash Point (COC), °C, ASTM D92	230
Pour Point, °C, ASTM D97	-39
Total Base Number, mg KOH/g, ASTM D2896	8.5

Note: These characteristics are typical of current production. While future production will conform to PATROL's specification, variations in these characteristics may occur.

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request. This product should not be used for purposes other than its intended use. If disposing off used product, take care to protect the environment

