



A HOLLYFRONTIER BUSINESS

TECH DATA

SUPREME™ SYNTHETIC 5W-40

MULTIGRADE MOTOR OIL

INTRODUCTION

SUPREME™ SYNTHETIC 5W-40 Motor Oil is designed to provide exceptional lubrication for modern engines and can provide long engine life through enhanced lubrication and protection of critical engine parts.

SUPREME SYNTHETIC 5W-40 Motor Oil starts with a pure advantage. Formulated using Petro-Canada base oils, which are among the purest base oil in the world. We use the HT Purity Process to remove performance-hindering impurities. Our base oils are 99.9% pure. That purity can help maximize the performance of our motor oils. In combination with leading-edge additive technology, they deliver exceptional resistance to thermal breakdown, outstanding low temperature fluidity, and excellent engine protection against wear and deposit formation under the most severe driving conditions. SUPREME SYNTHETIC 5W-40 Motor Oil is specially formulated to exceed the latest API Service Classification for gasoline engines, API SP.

FEATURES AND BENEFITS

Extended Engine Life

- Outstanding protection against wear, rust and corrosion
- Outstanding deposit control
- Bearing life greatly extended
- Minimizes wear due to stop-start driving
- Improves engine performance through aeration control

Our Best Resistance to High Temperature Thermal Breakdown

- Cleaner running engines
- Reduces deposits of varnish, sludge and carbon on engine parts
- Superior resistance to oxidative oil thickening
- Minimizes piston-ring sticking
- Improves lubrication because oil-ways stay clean

Our Best Low Temperature Fluidity

- Permits easier unaided cold weather starts
- Reduces wear during low temperature start-up and operation

Reduced Oil Consumption

- Low evaporation loss results in less oil top-up
- Verified seal compatibility to prevent leaks

APPLICATIONS

SUPREME Synthetic 5W-40 Motor Oil is recommended for year-round use in gasoline, propane and compressed natural gas (CNG) fuelled engines. SUPREME Synthetic 5W-40 Motor Oil meets new car warranty requirements for North American, European, and Asian vehicles where API SP performance engine oils are recommended. It is fully back-serviceable to previous API performance ratings including API SN, SN PLUS.

SUPREME Synthetic Motor Oils are fully compatible with all other synthetic and conventional motor oils.

Always consult your owner's manual to select the appropriate viscosity grade and approval level for your engine.

Petro-Canada Lubricants starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



TYPICAL PERFORMANCE DATA

PROPERTY	ASTM Test Method	SUPREME SYNTHETIC 5W-40
Density, kg/L @ 15°C	D4052	0.847
Colour	D1500	2.5
Flash Point, COC, °C / °F	D92	233 / 451
Pour Point, °C / °F	D5950	-36 / -33
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	D445	87.0 14.3
Viscosity Index	D2270	171
Cold Cranking Viscosity, cP @ °C / °F	D5293	5100 @ -30 / -22
Borderline Pumping Viscosity, cP @ °C / °F	D4684	27000 @ -35 / -31
Volatility (Noack), % loss	D5800	9.3
Sulphated Ash, % wt	D874	0.89
Sulphur, mass %	D4294	0.27
Elemental Analysis, % P	D4951	0.08
Base Number (BN), mg KOH/g	D2896	7
High-Temperature High-Shear (HTHS) Viscosity, cP @ 150°C and 1E+06/s	D4683	3.8

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: lubricants.petro-canada.com

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Committed to the disciplined operation of our business.



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