

SUPREME™ SYNTHETIC BLEND XL 5W-40 MULTIGRADE MOTOR OIL

Introduction

Petro-Canada **SUPREME™ Synthetic Blend XL 5W-40** Motor Oil is a premium advanced motor oil designed to lubricate the engines of today's gasoline and ethanol (up to E85) fuelled passenger cars, vans, CUVs, SUVs and light duty trucks. With today's high-powered engines, **SUPREME Synthetic Blend XL 5W-40** Motor Oil can help provide long engine life by lubricating critical parts effectively. It also provides enhanced protection for the latest emission control systems and turbochargers.

SUPREME Synthetic Blend XL 5W-40 Motor Oil starts with the HT purity process which produces 99.9% pure PURITY™ base oils. In combination with leading-edge additive technology, they deliver exceptional resistance to thermal breakdown, excellent low temperature fluidity, and excellent engine protection against wear and deposit formation under the most severe driving conditions. Our oils feature new and advanced formulations to protect gasoline direct injected engines and turbocharged direct injected engines from harmful damage due to engine "knocking".

SUPREME Synthetic Blend XL 5W-40 Motor Oil is formulated to meet the API SN Plus Service Classification for gasoline service.

Features and Benefits

- **Extended Engine Life**
 - Excellent protection against wear, rust and corrosion
 - Considerably less wear on rings, liners and camshafts
 - Bearing life greatly extended
 - Minimizes corrosion due to stop-start driving in cold weather
 - Protects against low speed pre-ignition (LSPI)

- **Improved Resistance to High Temperature Thermal Breakdown**
 - Cleaner running engines
 - Reduces deposits of varnish, sludge and carbon on engine parts
 - Protects turbochargers from deposit formation
 - Minimizes piston-ring sticking
 - Improves lubrication because oil-ways stay clean
- **Excellent Low Temperature Fluidity**
 - Permits easier unaided cold weather starts
 - Reduces wear during low temperature start-up and operation
- **Compatible with High Ethanol Fuels (up to E85)**
 - Protects against engine corrosion
 - Prevents water separation
- **Protection of Exhaust Emission Control Systems**
 - Formulated to meet reduced phosphorus and sulphur levels, and to provide reduced phosphorus volatility in order to protect and extend the life of emission control systems

What is the HT difference?

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.



Applications

SUPREME Synthetic Blend XL 5W-40 Motor Oil is recommended for year-round use in gasoline, high ethanol (up to E85), propane and compressed natural gas (CNG) fuelled engines. **SUPREME Synthetic Blend XL 5W-40** Motor Oil meets new car warranty requirements for North American, European, and Asian vehicles where **API SN Plus** performance engine oils are recommended. It is fully back-serviceable to all previous API performance ratings including **API SN, SM**.

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

Typical Performance Data

PROPERTY	ASTM TEST METHOD	PETRO-CANADA SUPREME SYNTHETIC BLEND XL 5W-40
Density, kg/L @ 15° C (60° F)	D4052	0.848
Colour	D1500	<3.5
Flash Point, COC, °C/°F	D92	223 / 433
Pour Point, °C/°F	D5950	-42 / -44
Kinematic Viscosity cSt @ 40° C cSt @ 100° C	D445	88.0 14.5
Viscosity Index	D2270	172
Cold Cranking Viscosity - cP @ °C/°F	D5293	5060 -30 / -22
Borderline Pumping Viscosity, cP @ °C/°F	D4684	22400 -35 / -31
Volatility (Noack), % loss	D5800	8.9
Sulphated Ash, % wt.	D874	0.90
Sulphur, mass %	D4294	0.264
Elemental Analysis, % P	D4951	0.076
Base Number (BN), mg KOH/g	D2896	8.3
API Performance Level		SN Plus

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

To order product or to learn more about how Petro-Canada Lubricants
can help your business visit: **lubricants.petro-canada.com**
or contact us at: **lubecsr@petrocanadalsp.com**



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