



SUPREME C3 SYNTHETIC 5W-30 MULTIGRADE MOTOR OIL

Introduction

Petro-Canada SUPREME C3 Synthetic motor oil is designed to lubricate high-performance gasoline and light duty diesel engines for today's passenger cars, sport utility vehicles, vans and light duty trucks.

SUPREME C3 Synthetic is a high performance passenger car engine oil with a carefully balanced selection of synthetic base oils and advanced additive chemistry that protects gasoline catalytic converters and diesel particulate filters. This advanced engine oil was developed to deliver excellent fuel economy performance while still providing outstanding wear protection and deposits control under the most severe driving conditions.

SUPREME C3 Synthetic delivers exceptional resistance to thermal breakdown, outstanding low temperature fluidity and excellent engine protection at extreme operating temperatures.

SUPREME C3 Synthetic meets the performance requirements of ACEA C3/C2, API SN and MB 229.31 and is specially designed to support extended oil drain intervals of modern engines.

Features and Benefits

- **Extended Engine Life**
 - Outstanding protection against wear, rust and corrosion
 - Bearings life greatly extended
 - Considerably less wear on rings, liners and camshafts
 - Minimizes corrosion due to stop-start driving in cold weather
 - Suitable seal compatibility to prevent leaks
- **Resistance to High Temperature Thermal Breakdown**
 - Cleaner running engines
 - Reduces deposits of varnish, sludge and carbon on engine parts
 - Protects turbochargers from deposit formation
 - Prevents piston-ring sticking
 - Minimizes piston deposits

- **Outstanding Fuel Economy Performance**
 - SUPREME C3 Synthetic motor oil exceeds the ACEA C3 requirements for fuel economy performance
- **Protection of Gasoline Catalytic Converters and Diesel Particulate Filters**
 - This motor oil contains a balanced and selected Phosphorus and Sulphur additive technology that will protect the after-treatment device in gasoline engines and the appropriate Ash Content to protect diesel particulate filters (DPFs).
- **Excellent 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
- **Compatible with High Ethanol Fuels (up to E85)**
 - Protects against engine corrosion
 - Prevents water separation

Applications

SUPREME C3 Synthetic 5W-30 motor oil is recommended for current passenger cars, vans, sport utility vehicles and light duty trucks powered by gasoline or diesel engines.

SUPREME C3 Synthetic 5W-30 performance level: ACEA C3/C2, API SN, MB 229.31

Always consult the owner's manual to select the appropriate viscosity grade for the vehicle.

Product Availability

Petro-Canada's SUPREME C3 Synthetic 5W-30 Motor Oil is only available in Europe and China. It is available for bulk orders.

Typical Performance Data

PROPERTY	TEST METHOD	PETRO-CANADA SUPREME C3 SYNTHETIC 5W-30
Density, kg/L @ 15°C / 60°F	D4052	0.853
Colour	D1500	3.7
Flash Point, COC, °C / °F	D92	224 / 435
Pour Point, COC, °C / °F	D5950	-39 / -38
Kinematic Viscosity cSt or mm ² /s @ 40°C cSt or mm ² /s @ 100°C	D445	70.7 11.8
Viscosity Index	D2270	163
Cold Cranking Viscosity, cP or mPa.s @ °C / °F	D5293	6020 @ -30 / -22
Borderline Pumping Viscosity, cP or mPa.s @ °C / °F	D4684	25800 @ -35 / -31
Volatility (Noack), % loss	D5800	11.1
Sulfated Ash, % wt.	D874	0.8
Sulfur, mass %	D4294	0.273
Phosphorus, mass %	D4951	0.077
Base Number, (BN), mg KOH/g	D2896	6.7
High-Temperature High-Shear (HTHS) Viscosity, cP or mPa.s @ 150°C, 10 ⁶ s ⁻¹	D4683	3.5

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

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