



A HOLLYFRONTIER BUSINESS

TECH DATA

SUPREME™ C3-X

SYNTHETIC 5W-30

MULTIGRADE MOTOR OIL

INTRODUCTION

SUPREME C3-X 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-X Synthetic is a top quality "Mid SAPS"* passenger car motor oil that delivers outstanding performance and protection when lubricating today's modern engines. Promoting balanced lubrication, demonstrated through rigorous testing, it is specially formulated with a combination of synthetic base oils and advanced additive chemistry to exceed the demands of both the industry and European OEMs. This premium motor oil is specifically designed to protect both gasoline catalytic converters and diesel particulate filters, to deliver excellent fuel economy performance and to provide outstanding wear protection and deposits control under the most severe driving conditions.

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

SUPREME C3-X Synthetic meets ACEA C3 and API SN. It is approved under VW Standard 504 00 and VW Standard 507 00, MB-Approval 229.51, Porsche C30 approved and meets BMW LL-04†.

FEATURES AND BENEFITS

Extended Engine Life

- Superior oil film stability
- Outstanding protection against wear, rust and corrosion
- Bearing life greatly extended
- Excellent wear protection 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

- Exceeds the ACEA C3 requirements for fuel economy performance

Protection of Emission System

- 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

- Ultra low evaporation loss results in less oil top-up

Extended Drain Capability

- Allows for flexible oil drain intervals managed by the vehicles on-board computer

Compatible with High Ethanol Fuels (up to E85)

- Protects against engine corrosion
- Prevents water separation

*Sulfated Ash, Phosphorous and Sulfur

†Approval pending

APPLICATIONS

SUPREME C3-X 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-X Synthetic 5W-30 performance level: ACEA C3, API SN, approved under VW Standard 504 00 and VW Standard 507 00, MB-Approval 229.51, Porsche C30 approved, BMW LL-04[†].

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

PRODUCT AVAILABILITY

SUPREME C3-X Synthetic 5W-30 motor oil is available globally. It is available for bulk orders in certain regions. Check with your sales representative for details.

TYPICAL PERFORMANCE DATA

Property	Test Method	SUPREME C3-X SYNTHETIC 5W-30
Density, kg/L @ 15°C / 60°F	D4052	0.851
Colour	D1500	<2.5
Flash Point, COC, °C / °F	D92	229 / 444
Pour Point, COC, °C / °F	D5950	-45 / -49
Kinematic Viscosity cSt or mm ² /s @ 40°C cSt or mm ² /s @ 100°C	D445	66.4 11.7
Viscosity Index	D2270	172
Cold Cranking Viscosity, cP or mPa.s @ °C / °F	D5293	5900 @ -30 / -22
Borderline Pumping Viscosity, cP or mPa.s @ °C / °F	D4684	16400 @ -35 / -31
Volatility (Noack), % loss	D5800	9.0
Sulfated Ash, % wt.	D874	0.8
Sulfur, mass %	D4294	0.192
Phosphorus, mass %	D4951	0.078
Base Number, (BN), mg KOH/g	D2896	7.8
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.

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

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Committed to the disciplined operation of our business.



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