

## SYNTHETIC 5W-40 MOTOR OIL

### Introduction

**Petro-Canada Synthetic 5W-40** Passenger Car Motor Oil is formulated to meet demanding European and North American motor oil performance requirements for passenger cars, sport utility vehicles, vans and light trucks powered by gasoline or diesel engines. Synthetic 5W-40 meets or exceeds the requirements of ACEA C3, API SN/CF, MB 229.51, 229.31/226.5, BMW LL-04, Porsche A40, Renault RN0700/RN0710, Fiat 9.55535-S2 and Ford M2C917-A. It is approved under VW Standard 502 00, 505 00 and 505 01. It also fulfills the engine oil requirements of those manufacturers who require ACEA credentials, such as Peugeot and Rover.

**Petro-Canada Synthetic 5W-40** is a fuel saving synthetic motor oil that is produced with high quality synthetic base oils and an advanced additive system.

### Features and Benefits

- **Excellent Low Temperature Fluidity**
  - Provides fast cold weather engine starts
  - Provides vital engine wear protection during low temperature start-up
- **Excellent Resistance To High Temperature Lubricant Breakdown**
  - Extends engine life by minimizing sludge, varnish and carbon deposits on engine parts
- **Longer Oil Life and Lower Oil Consumption**
  - Formulated with a shear stable viscosity modifier for enhanced viscosity stability and better bearing protection.

- **Outstanding Wear Protection**

- Formulated with premium anti-wear additives for enhanced wear protection
- Reduces wear on rings, liners and camshafts
- Extends bearing life

- **Surpasses Industry Performance Standards**

- Exceeds the ACEA C3 for gasoline and light duty diesel engines
- Meets Mercedes-Benz 229.51, 229.31 and 226.5 specifications
- Approved under VW Standard 502 00, 505 00 and 505 01

### Applications

Petro-Canada Synthetic 5W-40 is recommended for use in gasoline and diesel powered engines in cars, SUVs, vans and light trucks.

It can be used as “top-up” to conventional motor oil of the same viscosity grade between oil changes, but best results will be achieved with a complete oil and filter change.

Petro-Canada Synthetic 5W-40 Passenger Car Motor Oil can provide additional protection and peace of mind under severe driving conditions such as:

- short trip
- stop-and-go with significant idling
- trailer towing
- extended high speed motorway driving
- extreme hot and cold temperatures

Even though Petro-Canada Synthetic 5W-40 is a high performance Synthetic Motor Oil, we recommend that you follow the Vehicle Manufacturer guidelines for oil and filter changes.

### 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.



## Typical Performance Data

PROPERTY	TEST METHOD	SYNTHETIC 5W-40
Colour	ASTM D1500	2.5
Flash Point, COC, °C	ASTM D92	233
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	ASTM D445	82.8 14.0
Cold Cranking Viscosity, cP @ -30°C	ASTM D5293	5,050
Viscosity Index	ASTM D2270	172
Pour Point, °C	ASTM D5950	-45
Borderline Pumping Viscosity, cP @ -35°C	ASTM D4684	33,270
Sulphated Ash, %wt.	ASTM D874	0.77
Base Number (BN), mg KOH/g	ASTM D2896	7.7
High-Temperature High-Shear (HTHS) Viscosity, cP @ 150°C		3.6

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](http://lubricants.petro-canada.com) or contact us at: [lubecsr@petrocanadalsp.com](mailto:lubecsr@petrocanadalsp.com)



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