



TWO CYCLE MOTOR OIL

Introduction

Petro-Canada Two Cycle Motor Oil is a quality lubricant designed to give excellent performance in air-cooled, two-stroke cycle engines. It is especially formulated for use in oil injection as well as pre-mixed gasoline/oil lubricated engines.

Two Cycle Motor Oil is blended with a performance low ash additive package that gives superior anti-scuff and anti-wear protection, internal cleanliness and long engine life. A carefully controlled ash level minimizes spark plug fouling and prevents engine pre-ignition.

Features and Benefits

- Controls deposit formation/ring-sticking and prevents exhaust port plugging
- Gives superior anti-wear and anti-scuff protection
- Minimizes spark plug fouling and engine pre-ignition
- Provides excellent protection against rust and corrosion
- Mixes easily with gasoline and pumps readily down to -40°C
- Formulated for oil injection as well as pre-mixed gasoline/oil lubricated engines
- Keeps smoke emissions low when used at recommended gasoline/oil ratios
- Dyed blue-green for easy detection of gasoline/oil mixtures

Applications

Petro-Canada Two Cycle Motor Oil is a low ash, **API TC, ISO E-GB, JASO FB** type oil designed to lubricate air-cooled, two-stroke cycle engines used to drive motorcycles, mopeds, lawnmowers, chainsaws and generating sets. It is suitable for use in oil injection and pre-mixed lubricated engines **at gasoline/oil ratios up to 50:1.**

Two Cycle Motor Oil meets the Society of Automotive Engineers' latest Fluidity/Miscibility specifications at the Grade 4 level and so mixes and pumps readily down to -40°C.

Quick Mix Chart

RATIO GASOLINE TO OIL	MILLILITRES (mL) OIL ADDED TO LITRES OF GASOLINE		
	5 LITRES	10 LITRES	25 LITRES
16:1	315	625	1550
24:1	210	420	1050
32:1	165	315	800
50:1	100	200	500

What is the HT difference?

Petro-Canada starts with the patented 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	TWO CYCLE MOTOR OIL
Performance Level		API TC / ISO E-GB / JASO FB
SAE Fluidity/Miscibility Number @ °C	(SAE J1536-95)	F/M 4 @ -40°C
Density @ 15°C, kg/L	D4052	0.880
Colour		Blue/Green
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	D445/2161	21.1 4.5
Viscosity Index	D2270	127
Brookfield Viscosity, cP @ -40°C	D2983	11,620
Pour Point, °C	D97	<-54
Sulphated Ash, wt %	D0874	0.12
Total Base Number	D2896	0.76

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

Health and Safety

Petro-Canada Two Cycle Motor Oil has no adverse effect on health provided it is used as directed. To obtain Material Health and Safety Data Sheets, contact your Petro-Canada Lubricants representative, or one of Petro-Canada's TechData Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada Two Cycle Motor Oil, or any other product in our complete line of quality lubricants, please contact us at:

**Petro-Canada
Lubricants Centre
385 Southdown Road
Mississauga, Ontario
L5J 2Y3**



Canada - West Phone 1-800-661-1199
- East (English) Phone 1-800-268-5850
(French) Phone 1-800-576-1686
Other Areas Phone (905) 403-6781
Technical Inquiries Fax (905) 403-6875
E-mail lubecsr@petro-canada.ca
Internet lubricants.petro-canada.ca

**Petro-Canada Europe Lubricants
The Manor, Hasely Business Centre
Warwick, Warwickshire
CV35 7LS
United Kingdom**

Phone +44 (0) 2476-247294
 Fax +44 (0) 2476-247295
 Internet www.petrocanada.nl

**Petro-Canada America Lubricants
980 North Michigan Avenue
Suite 1400, #1431
Chicago, Illinois
USA 60611**

Phone 1-888-284-4572
 Fax (708) 246-8994
 E-mail email@petro-canadaamerica.com