



## PURITY™ FG CHAIN FLUIDS

### Introduction

Petro-Canada's PURITY™ FG Chain Fluids are advanced food grade lubricants formulated to deliver superior, longer lasting protection than leading specialty food grade lubricants.

PURITY FG's superiority results from more than 20 years formulating experience. Using the patented HT purity process, Petro-Canada produces a 99.9% pure, crystal clear base oil – the purest in the world. Free of impurities that can hinder performance and fortified with specially selected performance additives, PURITY FG Chain Fluids have outstanding resistance to oxidative breakdown and provide excellent protection from wear and corrosion. Tough enough to handle wet food processing environments, their tacky nature allows them to adhere strongly to metal surfaces, resisting water washout and water spray loss.

### Features and Benefits

- **Outstanding resistance to oxidative breakdown**
  - Keeps systems free of sludge and varnish
  - Results in longer fluid life and reduced downtime even at high temperatures and in the presence of water and acidic contamination
- **Long-term protection from rust and corrosion**
  - Protects chains and metal surfaces from rusting
- **Excellent wear protection**
  - Prevents metal-to-metal contact between chains and drive sprockets
- **Strongly adheres to all surfaces**
  - Resists throw-off from chains, preventing fluid drips
  - Highly resistant to water washout and spray loss
  - Reduces fluid consumption

### Features and Benefits

- **Fully approved for use in and around food processing areas**
  - H1 registered by NSF
  - All fluid components comply with FDA 21 CFR 178.3570 "Lubricants with incidental food contact"
  - n registered by the Canadian Food Inspection Agency for use in registered food processing plants
  - Certified Kosher and Pareve by Star K
  - Certified Halal by IFANCA



- **Free of genetically modified substances (GMS)**
- **Maintains food allergy safety**
  - Free of gluten
  - Contains no peanuts, tree nuts, or their derivatives
  - Manufactured in a facility that does not manufacture, store, or otherwise handle any peanut or tree nut product

#### 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.



## Applications

PURITY FG Chain Fluids are recommended for lubricating all types of drive and conveyor chains as well as bearings found on food processing machinery. They may be applied by brush or drip feed as well as by centralized lubrication systems. PURITY FG Chain

Fluids may be applied at temperatures up to 200°C. However, at temperatures above 150°C, equipment should be re-oiled more frequently. If a chain oil in spray cans is required, we recommend PURITY FG MF.

## Typical Performance Data

PROPERTY	TEST METHOD	PURITY™ FG CHAIN FLUIDS	
		LIGHT	HEAVY
Viscosity cSt @ 40°C / SUS @ 100°F cSt @ 100°C / SUS @ 212°F	D445 D445	151 / 777 19.8 / 100	370 / 1,908 44.1 / 213
Viscosity Index	D2270	150	175
Flash Point, °C / °F	D92	230 / 446	240 / 464
Pour Point, °C / °F	D97	-9 / 16	-12 / 10
Colour	D1500	0.5	0.5
Corrosion Resistance, A - Distilled Water B - Synthetic Seawater	D665	Pass Pass	Pass Pass
Wear Protection 4-Ball Wear, scar diam (mm) FZG Pass Stage	D4172 D5182	0.4 12	0.4 12
Water -Separation	D1401	41-39-0	41-39-0
Load Carrying Capability Timken OK, kg/lb	D2782	40 / 88	40 / 80

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

## Health and Safety

Petro-Canada PURITY FG Chain Fluids have no adverse effect on health provided they are used as directed. To obtain Material Safety Data Sheets (MSDS), contact one of our TechData Info Lines.

## TechData Info Lines

If you would like to know more about Petro-Canada PURITY FG Chain Fluids, or any other product in our complete line of quality lubricants, please contact us at:

**Lubricants Head Office**  
Petro-Canada  
2310 Lakeshore Road West  
Mississauga, Ontario  
Canada L5J 1K2



Canada - West . . . . . Phone 1-800-661-1199  
 - East (English) . . . . . Phone 1-800-268-5850  
 (French) . . . . . Phone 1-800-576-1686  
 Other Areas . . . . . Phone (416) 730-2408  
 E-mail . . . . . lubecsr@petro-canada.ca  
 Internet . . . . . lubricants.petro-canada.ca

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

Phone . . . . . +44 (0) 2476-247294  
 Fax . . . . . +44 (0) 2476-247295

**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