



## PURITY™ FG CHAIN FLUIDS

### Introduction

Petro-Canada's PURITY™ FG Chain Fluids are advanced food grade lubricants formulated to deliver long lasting protection.

PURITY FG Chain Fluid's performance results from more than 30 years formulating experience. Using the HT Purity Process, Petro-Canada produces a 99.9%, crystal clear base oil – among 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"
  - Acceptable for use in food processing facilities in Canada.
  - Certified Kosher and Pareve by Star K
  - Certified Halal by IFANCA
  - Fits perfectly in HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) plans

#### What is the HT difference?

Petro-Canada 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.



Nonfood Compounds  
Program Listed H1



## 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 / 392°F. However, at temperatures above 150°C / 302°F, equipment should be re-oiled more frequently.

## Typical Performance Data

| PROPERTY   | TEST METHOD | PURITY™ FG CHAIN FLUIDS |             |
|--|-------------|-------------------------|-------------|
|  |             | LIGHT                   | HEAVY       |
| Viscosity<br>cSt @ 40°C / SUS @ 100°F<br>cSt @ 100°C / SUS @ 212°F | D445        | 151 / 777               | 370 / 1,908 |
|  | D445        | 20 / 100                | 44 / 212    |
| Viscosity Index  | D2270       | 150                     | 175         |
| Flash Point, COC, °C / °F  | D92         | 230 / 446               | 240 / 464   |
| Pour Point, °C / °F  | D5950       | -12 / 10                | -12 / 10    |
| Colour   | D1500       | 0.5                     | 0.5         |
| Rust Resistance,<br>A - Distilled Water<br>B - Synthetic Seawater  | D665        | Pass                    | Pass        |
|  |             | Pass                    | Pass        |
| Wear Protection<br>4-Ball Wear, scar diam (mm)                     | D4172       | 0.4                     | 0.4         |
| Water Separability,<br>54°C (129°F), mL (min.)                     | D1401       | 41-39-0                 | 41-39-0     |
| Load Carrying Capability<br>Timken OK, kg/lb                       | D2782       | 40 / 88                 | 40 / 88     |

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

To place an order, please call a Customer Order Management Representative at :

**Canada (English)** . . . . . Phone 1-800-268-5850  
**(French)** . . . . . Phone 1-800-576-1686  
**United States** . . . . . Phone 1-877-730-2369  
**Latin America** . . . . . Phone +1-416-730-2369  
**Europe** . . . . . Phone +1-416-730-2389  
**Asia** . . . . . Phone +1-416-730-2372  
**China** . . . . . Phone +86 (21) 6362-0066

To learn more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at :

**North America** . . . . . Phone 1-866-335-3369  
**Europe** . . . . . Phone +44 (0) 121-781-7264  
**Germany** . . . . . Phone +49 (0)201 726 2913  
**Latin America** . . . . . Phone +1-416-730-2369  
**Asia** . . . . . Phone +1-416-730-2372  
**China** . . . . . Phone +86 (21) 6362-0066  
**E-mail** . . . . . sales@suncor.com

You can also e-mail us at [lubecsr@suncor.com](mailto:lubecsr@suncor.com)

Visit us on the web at [lubricants.petro-canada.ca](http://lubricants.petro-canada.ca)

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Beyond today's standards.

