



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 registered 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”
 - Certified Kosher Pareve by Star K
 - Certified Halal by IFANCA
 - Fits perfectly in HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) plans



Nonfood Compounds
Program Listed H1

ISO 21469 Certified

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.



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 cSt @ 40°C / SUS @ 100°F cSt @ 100°C / SUS @ 212°F | D445 D445 | 151 / 777 20 / 100 | 370 / 1,908 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, A - Distilled Water B - Synthetic Seawater | D665 | Pass Pass | Pass Pass |
| Wear Protection 4-Ball Wear, scar diam (mm) | D4172 | 0.4 | 0.4 |
| Water Separability, 54°C (129°F), mL (min.) | D1401 | 41-39-0 | 41-39-0 |
| Load Carrying Capability Timken OK, kg/lb | D2782 | 40 / 88 | 40 / 88 |

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

Shelf Life: Product shelf life is 3 years from the date of manufacture when stored in sealed containers under protected storage conditions*.

* Protected storage conditions includes indoor or covered storage, protected from contamination including exposure to rain and snow, exposure to direct sunlight, exposure to extreme temperatures and high / low temperatures cycles.

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: lubricants.petro-canada.com or contact us at: lubecsr@petrocanadalsp.com



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