**FOOD GRADE LUBRICANTS**

**IN WHICH APPLICATION DO YOU REQUIRE A FOOD GRADE LUBRICANT?**

- **Hydraulic**
- **Heavy Enclosed Gears**
- **Chains & Conveyors**

- **Is wide temperature performance required?**
  - **YES**
  - **NO**

- **Do you need to have an antimicrobial preservative added to your lubricant?**
  - **YES**
  - **NO**

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**PURITY FG AW Hydraulic Fluid with MICROL†**
- 1st EPA Registered Antimicrobial Preservative to protect food grade lubricants from product degradation.
- Excellent resistance to breakdown from oxidation.
- Available in ISO VG 32, 46, 68, 100.

**PURITY FG AW Gear Fluid**
- Excellent resistance to breakdown from oxidation.
- Available in ISO VG 32, 46, 68, 100.

**PURITY FG EP Gear Fluid with MICROL**
- 1st EPA Registered Antimicrobial Preservative to protect food grade lubricants from product degradation.
- Excellent extreme pressure properties.
- Protects against damage due to shock loading, long-term wear, build-up of sludge and varnish, rust and corrosion.
- Available in ISO VG 100, 150, 220, 320, 460.

**PURITY FG EP Gear Fluid**
- Excellent extreme pressure properties.
- Protects against damage due to shock loading, long-term wear, build-up of sludge and varnish, rust and corrosion.

**PURITY FG Synthetic EP Gear Fluid**
- Exceptional extreme pressure properties.
- Strong resistance to lubricant breakdown in harsh operating environments.
- Protects against damage due to shock loading, long-term wear, build-up of sludge and varnish, rust and corrosion.
- Available in light and heavy grade.

**PURITY FG Chain Fluid**
- Excellent tackiness, resists water wash-off.
- Excellent extreme pressure properties - FZG stage 12 pass.
- Provides protection against wear, rust and corrosion.
- Suitable for brush, drip or centralized applications.
- Available in light and heavy grade.

†MICROL is an antimicrobial product protection agent.
PERFORMANCE BENEFITS

- Fits perfectly into HACCP and GMP plans. Carries a full set of food grade credentials including Canadian Food Inspection Agency and NSF H1 lubricants with incidental contact or HT1 heat transfer fluids with incidental contact registrations.
- Provides industrial strength lubricant protection in food processing operations through the plant, even the most severe applications.
- Specially formulated to deliver long life and excellent wear protection in food processing applications for fewer production disruptions and higher productivity.
- See list of Food Industry Approvals/Credentials on page 40.

Compressors
& Vacuum Pumps

Hooks &
Trolleys

Seamer Fluid

Heat Transfer System

Release Agent & Wipe Down Oil

Is wide temperature performance required?

YES

Wide temperature up to 4000 hrs from -40°C/-40°F to 95°C/203°F

NO

Moderate temperature up to 4000 hrs @ 85°C/185°F

PURITY FG Synthetic Compressor Fluid
- Synthetic PAO based product.
- Extends service life up to 4000 hrs, in rotary screw compressors at wide temperatures.
- Outstanding oxidation resistance.
- Controls sludge and varnish in pneumatic and hydraulic systems.
- ISO VG 46.

PURITY FG Compressor Fluid
- Outstanding oxidation resistance.
- 4000 hour service in rotary screw compressors, and service per OEM guidelines in vane compressors.
- Provides protection against rust and corrosion.
- Available in ISO VG 32, 46, 68, 100.

PURITY FG Trolley Fluid
- Protects better against wear and rust than many leading competitor fluids.
- Excellent oxidation stability.

PURITY FG Seamer-E Fluid
- Formulated for use in high-speed continuous lubrication sealing units where contamination of the oil with water and sugar may occur.
- Designed to lubricate the main turrets, bearings, chains and gears for smooth and effective equipment performance.

PURITY FG Heat Transfer Fluid
- Suitable for liquid phase application up to 326°F/163°C.
- Higher thermal and oxidation stability than many leading competitors, which can result in extended fluid life and lower operating costs.
- Suitable for food related operations such as the manufacturing of food product packaging materials.

PURITY FG WO White Mineral Oil
- NF/USP quality white mineral oils.
- Available in the following grades: 30, 15, 35, 40, 68, 90.
- Odourless, tasteless and colourless.
DO YOU REQUIRE A FOOD GRADE GREASE OR SPRAY LUBRICANT?

SPRAY LUBRICANT

- Multi-application Spray
  - Extreme Temperature
    - -40˚C/-40˚F to 200˚C/392˚F

GREASE

- Normal Operating Temperature
  - -20˚C/-4˚F to 160˚C/320˚F

Does your equipment operate with low speed, heavy loads?

YES NO

Do you require a clear grease?

YES NO

PURITY FG Spray
- Formulated with tackifiers to stay in place and resist water wash-off.
- High load carrying and anti-wear properties.
- Convenient method to lubricate chains, rails and guides, small bearings, gears and other general lubrication.

PURITY FG2 Synthetic
- Calcium Sulphonate Complex.
- Higher load carrying capability, excellent protection against wear.
- Strong resistance to lubricant breakdown and water washout.
- Effective across a wider range of temperature extremes.

PURITY FG2 Extreme
- High viscosity, Semi Synthetic, Aluminum Complex.
- Greater protection of gears, bearings and equipment when operating from low to medium speed with heavy loads.
- Effective protection in applications subjected to high temperature, high pressure, and heavy loads (such as in Pellet Mills).

PURITY FG2 Clear
- Contaminants are more visible.
- Greater protection of gears and bearings.
- Effective protection against rust and corrosion.
PERFORMANCE BENEFITS

- PURITY™ FG Grease resists water washout, water jet spray and most sterilizing chemicals used in cleaning better than its leading competitors.
- Products exhibit good low temperature pumpability.
- PURITY FG Greases have effective anti-wear and EP properties and protect against rust and corrosion.

- Specially formulated to deliver excellent performance and food grade purity under the highly demanding conditions of food processing operations.

Low Operating Temperature
and Central Lubrication Systems -35˚C/-31˚F to 120˚C/248˚F

Do you need to have an antimicrobial preservative added to your grease?

YES NO

PURITY FG2
with MICROL

- 1st EPA Registered Antimicrobial Preservative to protect food grade lubricants from product degradation.
- Very good resistance to water washout and spray loss.
- Excellent anti-wear and EP properties.
- Very effective protection against rust and corrosion.

PURITY FG2

- Aluminum Complex.
- Exceptional resistance to water washout and spray loss.
- Excellent anti-wear and EP properties.
- Very effective protection against rust and corrosion.

PURITY FG00

- Aluminum Complex.
- Excellent anti-wear and EP properties.
- Very effective protection against rust and corrosion.
- Excellent choice for leaky, enclosed gear cases and auto lube systems.
# Food Industry Approvals/Credentials

<table>
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<th>Product Name</th>
<th>NSF Registrations</th>
<th>CFIA</th>
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<td>3H</td>
<td>HT1</td>
<td>n**</td>
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### NOTES:
Where indicated, PURITY FG lubricants are approved for use only as Lubricants with Incidental Food Contact as per 21CFR 178.3570. They are not food additives and are not to be added to food products.

* PURITY FG White Oil 10, 40 & 68 grades pending approval.
** PURITY FG White Oil 10 & 40 grades pending approval.
†MICROL is an antimicrobial product protection agent.

### NSF Classifications

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### CFIA Classifications

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<td>Refrigerants/Heat Exchanger Agents (General)</td>
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For a complete list of PURITY FG approvals, consult a Petro-Canada Technical Service Representative.