PURITY TM FG LUBRICANTS SOLUTIONS FOR TODAY'S MEAT & POULTRY INDUSTRIES





A HOLLYFRONTIER BUSINESS

PURITY FG LUBRICANTS

FOR ALL YOUR MEAT & POULTRY NEEDS

There are three main goals that companies in the meat and poultry industry strive to achieve: improved plant efficiencies, maintained budgets and increased productivity. While these targets are the focus, safety and product quality can never be compromised, and this includes the biggest challenge of the industry: contamination.

HIGH-PERFORMANCE LUBRICANTS FOR CLEAN, SAFE PRODUCTION

PURITY FG, the Petro-Canada Lubricants family of food grade products, is fully registered for use in and around food processing areas. Just as importantly, PURITY FG products perform as well as or better than most conventional non–food grade lubricants, providing:

- · Longer life through exceptional thermal stability and oxidation resistance
- · Excellent anti-wear performance you'll come to rely on
- · High resistance to water washout in greases
- · Excellent water separability in oils



WE'RE THERE FOR YOU WHEN YOU NEED US

When you make the switch to **PURITY FG**, you're making a positive decision with long-lasting benefits. From planning and purchasing to production and maintenance, the **PURITY FG** team of experienced Technical Service Advisors is ready to help you improve performance and efficiency throughout your company.

A RELIABLE, GLOBAL SUPPLY

A fully integrated supply chain allows for careful monitoring of every aspect of our manufacturing process to ensure you receive consistent, high-quality products. We also provide reliable delivery to our customers, employing an efficient global distribution system—you always receive the products you need when you need them, regardless of where you are located around the world.

MEETING STRINGENT NSF STANDARDS AND BEYOND

Safety and productivity are vital to the success of your business. PURITY FG lubricants are registered with NSF for use in and around meat and poultry processing and meet the safety standards of the industry. Depending on the lubricant, grease or specialty fluid, our products meet the appropriate category:

- · H1 for incidental food contact
- · 3H for food processing release agents
- HT1 specific for heat transfer fluids for incidental food contact

The product line is produced according to the highest standards of ISO 9001 and ISO 14001. PURITY FG credentials also include Kosher Pareve and Halal certifications. Many of our products are also certified ISO 21469.

View our product-specific technical data sheets for a complete list of credentials at **PURITYFG.com**



PURITY FG WITH SynFX™ ADVANCED ADDITIVE TECHNOLOGY

TOUGH ENOUGH TO RIVAL SYNTHETIC



Whether it's reducing the risk of contamination, concern over equipment longevity or worry over looming production deadlines, you need a food grade lubricant that can perform under real pressure without driving up costs. PURITY FG with SynFX is the answer. Its advanced additive technology brings synthetic-like longevity and wide-temperature performance to your operation.









STARTING PURE TO FINISH STRONG

Our main products are made from pharmaceutical-grade white mineral oils that are virtually non-toxic and inherently biodegradable. PURITY FG WO white mineral oils are the first step in providing the ultimate in protection — both for the products you produce and the equipment you use.

Our HT Purity Process removes virtually all performance-hindering impurities, providing a pure base with which to formulate the PURITY FG lineup of food grade lubricants. The absence of impurities means our carefully selected additive systems provide optimal thermal and oxidative stability. In applications requiring wider operating temperatures, specially selected synthetic blending stocks such as polyalphaolefins (PAOs) are used.

LUBRICANTS FOR **MEAT** PRODUCTION AT A GLANCE



SANITATION & REFRIGERATION

Ammonia refrigeration systems REFLO[™] A (H2) REFLO XL Synthetic Blend (H2)

Wash-down oil PURITY FG WO White Mineral Oil (H1, 3H)



PREPPING & PROCESSING

Antifriction bearings PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 with MICROL[™] MAX⁺ (H1)

Gear reducers PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)

Trolley system PURITY FG Trolley Fluid (H1)

3

SPLITTING

Gear reducers PURITY FG EP Gear Fluid (H1) ● PURITY FG Synthetic EP Gear Fluid (H1)



FORMING & FILLING

Hydraulic systems

PURITY FG AW Hydraulic Fluid (H1) PURITY FG-X AW Hydraulic Fluid (H1) • PURITY FG AW Hydraulic Fluid with MICROL⁺ (H1) PURITY FG Synthetic Fluid (H1)

Antifriction bearings

PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



GRINDING, BRINING & MIXING

Hydraulic systems

PURITY FG AW Hydraulic Fluid (H1) PURITY FG-X AW Hydraulic Fluid (H1) • PURITY FG Synthetic Fluid (H1) PURITY FG AW Hydraulic Fluid with MICROL[†] (H1)

Antifriction bearings

PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



MARINATING & FRYING

Heat transfer system PURITY FG Heat Transfer Fluid (HT1)

Gear reducers PURITY FG EP Gear Fluid (H1) ● PURITY FG Synthetic EP Gear Fluid (H1)

Antifriction bearings PURITY FG2 Synthetic Heavy 220 (H1)



TRIMMING, WEIGHING & GRADING

Antifriction bearings PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 with MICROL MAX⁺ (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)

Trolley system PURITY FG Trolley Fluid (H1)



INTERNAL TRANSPORT

Conveyor systems PURITY FG Chain Fluid (H1) PURITY FG Spray (H1) PURITY FG Trolley Fluid (H1)

Conveyor gear reducers PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



CUTTING

Antifriction bearings PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 with MICROL MAX⁺ (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



CHILLER & FREEZER

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Antifriction bearings PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX⁺ (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)

Trolley system PURITY FG Trolley Fluid (H1)

Ammonia refrigeration systems REFLO A (H2) REFLO XL Synthetic Blend (H2) REFLO Synthetic 68A



SLICING & PACKAGING

Antifriction bearings PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Gear reducers PURITY FG EP Gear Fluid (H1) ● PURITY FG Synthetic EP Gear Fluid (H1)

Conveyor systems

PURITY FG Chain Fluid (H1) PURITY FG Spray (H1) PURITY FG Trolley Fluid (H1)

Air compressors PURITY FG Compressor Fluid (H1) • PURITY FG Synthetic Fluid (H1)



TRANSPORTATION

Diesel engine DURON™

Gasoline engines SUPREME[™] DURON

Automotive axles and gears TRAXON™

Automatic transmission Petro-Canada Heavy Duty Synthetic Blend ATF

Grease requirements PRECISION[™] PEERLESS[™]

H1—Incidental food contact | H2—No contact with food | • - SynFX.

This is intended as a guide only. For further information on specific requirements or challenges in your operation, please contact your Petro-Canada Lubricants representative. ⁺ MICROL and MICROL MAX are antimicrobial preservatives to protect the lubricant from deteriorating, fouling and odor caused by microorganisms.

LUBRICANTS FOR **POULTRY** PRODUCTION AT A GLANCE



SANITATION, REFRIGERATION & AIR COMPRESSORS

Ammonia refrigeration systems REFLO A (H2) REFLO XL Synthetic Blend (H2)

Wash-down oil PURITY FG WO White Mineral Oil (H1, 3H)

Air compressors

PURITY FG Compressor Fluid (H1) ● PURITY FG Synthetic Fluid (H1) COMPRO[™] XL-S (H2) COMPRO Synthetic



DESTACKING

Antifriction bearings/trolley systems (grease) PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Trolley system (oil) PURITY FG Trolley Fluid (H1)

3



PREPPING & PROCESSING

Antifriction bearings/trolley systems (grease) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Trolley system (oil) PURITY FG Trolley Fluid (H1)

Gear reducers PURITY FG EP Gear Fluid (H1) ● PURITY FG Synthetic EP Gear Fluid (H1)



BRINING & TUMBLING

Hydraulics system

PURITY FG AW Hydraulic Fluid (H1) PURITY FG-X AW Hydraulic Fluid (H1) • PURITY FG Synthetic Fluid (H1) PURITY FG AW Hydraulic Fluid with MICROL[†] (H1)

Antifriction bearings

PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



FORMING & FILLING

Hydraulic systems

PURITY FG AW Hydraulic Fluid (H1) PURITY FG-X AW Hydraulic Fluid (H1) • PURITY FG Synthetic Fluid (H1) PURITY FG AW Hydraulic Fluid with MICROL[†] (H1)

Antifriction bearings

PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX^t (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



BATTERING & FRYING

Heat transfer system PURITY FG Heat Transfer Fluid (HT1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)



EVISCERATION

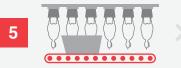
Antifriction bearings/trolley systems (grease) PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Trolley system (oil) PURITY FG Trolley Fluid (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)

Vacuum pump SUPER VAC[™] 20 (H2)



INSPECTION & WASHING

Antifriction bearings/trolley systems (grease) PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Trolley system (oil) PURITY FG Trolley Fluid (H1)

Gear reducers PURITY FG EP Gear Fluid (H1) ● PURITY FG Synthetic EP Gear Fluid (H1)



CUTTING

Antifriction bearings PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Gear reducers

PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)

10 • *

CHILLER & FREEZER

Antifriction bearings PURITY FG1 (H1) PURITY FG00 (H1) PURITY FG2 Synthetic (H1)

Gear reducers PURITY FG EP Gear Fluid (H1) • PURITY FG Synthetic EP Gear Fluid (H1)

Ammonia refrigeration systems

REFLO A (H2) REFLO XL Synthetic Blend (H2)



PACKAGING

Antifriction bearings PURITY FG1 (H1) PURITY FG2 (H1) PURITY FG2 Clear (H1) PURITY FG2 Synthetic Heavy 220 (H1) PURITY FG2 Synthetic (H1) PURITY FG2 with MICROL MAX[†] (H1)

Gear reducers PURITY FG EP Gear Fluid (H1) ● PURITY FG Synthetic EP Gear Fluid (H1)

Conveyor systems PURITY FG Chain Fluid (H1) PURITY FG Spray (H1) PURITY FG Trolley Fluid (H1)

Vacuum pump SUPER VAC 20 (H2)

TRANSPORTATION

Diesel engine DURON

Gasoline engines SUPREME DURON

Automotive axles and gears TRAXON

Automatic transmission Petro-Canada Heavy Duty Synthetic Blend ATF

Grease requirements PRECISION PEERLESS

H1—Incidental food contact | H2—No contact with food | • - SynFX.

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COMPLETE LINE OF **PURITY FG LUBRICANTS**

We offer a complete line of high-performing, mineral-oil-based, synthetic-like and fully synthetic food grade lubricants to meet your specific meat and poultry needs.

PRODUCTS	NSF	APPLICATION	KEY BENEFITS
PURITY FG Compressor Fluid (Available in ISO VG 32, 46, 68 & 100) SynFX	H1	 Rotary screw compressors Reciprocating compressors Vacuum pumps 	 Formulated with SynFX to deliver synthetic-like performance to provide longer-lasting protection 4,000 hours of service in air compressors (< 85°C rotary screw discharge temperature) Protection against rust and corrosion
PURITY FG Synthetic Fluid (Available in ISO VG 46 & 100)	H1	Rotary screw compressorsVacuum pumpsHydraulic systems	 Extends service life up to 4,000 hours in rotary screw compressors at wide temperatures Outstanding oxidation resistance Controls sludge and varnish in pneumatic and hydraulic systems ISO VG 46 passes DIN 51524 Part 2 requirements and is Husky approved
PURITY FG WO White Mineral Oil (Available in ISO VG 10, 15, 35, 40, 68 & 90)	H1	• Wipe-down oil	 Ultra-pure food grade white mineral oil for food processing Odorless, tasteless and colorless
PURITY FG AW Hydraulic Fluid (Available in ISO VG 32, 46, 68 & 100)	H1	PumpsHydraulic systemsAir line lubricators	 Excellent resistance to breakdown from oxidation PURITY FG AW Hydraulic Fluid 46 passes Vickers 35VQ25A test
PURITY FG-X AW Hydraulic Fluid (Available in ISO VG 46) SynFX	H1	PumpsHydraulic systems	 Formulated with SynFX to deliver synthetic-like performance to provide longer-lasting protection Longer fluid and equipment life by resisting oxidative breakdown from air exposure, high temperatures and water contamination
PURITY FG AW Hydraulic Fluid with MICROL [†] (Available in ISO VG 32, 46 & 68)	H1	PumpsHydraulic systemsAir line lubricators	 Contains U.S. EPA-registered antimicrobial preservative to protect food grade lubricants from product degradation Excellent resistance to breakdown from oxidation
PURITY FG00 Grease	H1	Automatic rotating filler systemBacon pressesLeaky gearboxes	 Aluminum complex thickener Excellent anti-wear and extreme pressure properties Recommended for automatic lubrication systems and gearboxes needing a semi-fluid grease of this NLGI grade
PURITY FG1 Grease	H1	Conveyor and roller bearingsAntifriction bearings	 Aluminum complex thickener Exceptional resistance to water washout Excellent anti-wear and extreme pressure properties Effective protection against rust and corrosion Recommended for automatic lubrication systems
PURITY FG2 Grease	H1	Conveyor and roller bearingsAntifriction bearings	 Aluminum complex thickener Exceptional resistance to water washout and water jet spray loss Excellent anti-wear and extreme pressure properties Effective protection against rust and corrosion
PURITY FG2 Clear Grease	H1	Conveyor and roller bearingsAntifriction bearings	 Aluminum complex thickener Translucent appearance Effective protection against rust and corrosion
PURITY FG2 Grease with MICROL MAX ⁺	H1	Conveyor and roller bearingsAntifriction bearings	 Contains EPA-registered antimicrobial preservative to protect food grade lubricants from product degradation Aluminum complex thickener Exceptional resistance to water washout and water jet spray loss Excellent anti-wear and extreme pressure properties Effective protection against rust and corrosion

[†] MICROL and MICROL MAX are antimicrobial preservatives to protect the lubricant from deteriorating, fouling and odor caused by microorganisms.

"We tested PURITY FG Trolley Fluid from Petro-Canada Lubricants and we knew after the first use that it was just as free-flowing as other lubricants we tried, but it had surprisingly better adhesion. You typically find these types of oils only in specialist firms and at much higher prices."

TOMMY DAHL

Plant Maintenance Engineer, Danish Crown

PRODUCTS	NSF	APPLICATION	KEY BENEFITS
PURITY FG2 Synthetic Grease	H1	 Conveyor and roller bearings Automatic rotating filler system Antifriction bearings 	 Calcium sulphonate complex High 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 Synthetic Heavy 220 Grease	H1	 Conveyor and roller bearings Antifriction bearings 	 Calcium sulphonate complex Designed to tenaciously stay in place under the most demanding circumstances High load-carrying capability; excellent protection against wear Strong resistance to lubricant breakdown and water washout Effective across a wider range of temperature extremes
PURITY FG EP Gear Fluid (Available in ISO VG 100, 150, 220, 320 & 460) SynFX	H1	 Enclosed gears (spur, bevel, worm and planetary gears) Recirculation lubrication system 	 Formulated with SynFX to deliver synthetic-like performance to provide longer-lasting protection Protects against damage due to shock loading, long-term wear, buildup of sludge and varnish, rust and corrosion
PURITY FG Synthetic EP Gear Fluid (Available in ISO VG 220 & 460)	H1	 Enclosed gears (spur, bevel, worm and planetary gears) Positive displacement blowers 	 Strong resistance to lubricant breakdown in harsh operating environments Protects against damage due to shock loading, long-term wear, buildup of sludge and varnish, rust and corrosion Effective across a wider range of temperature extremes
PURITY FG Chain Fluid (Available in Light and Heavy grades)	H1	Chains	 Excellent tackiness; resists water washout Excellent extreme pressure properties Suitable for brush, drip or bath applications
PURITY FG Trolley Fluid (Available in ISO VG 46)	H1	Hooks and trolleys	Outstanding resistance to wear and corrosion; resists oil drips
PURITY FG Spray	H1	Chains	 Formulated with tackifiers to stay in place and resist water washout Convenient method to lubricate chains, rails and guides, slides, small bearings, gears and other general mechanical parts
SUPER VAC	H2	• Vacuum pump	 Helps maximize pump vacuum efficiency with extremely low vapor pressures Resistant to high-temperature fluid breakdown and performs like some synthetics Non-detergent ashless formulation for reduced deposit formation
PURITY FG Heat Transfer Fluid	HT1	Heat transfer system	 Suitable for liquid phase applications up to 326°C/619°F bulk temperatures High thermal stability fluid formulated with specially selected additives to provide outstanding protection from oxidative breakdown
REFLO A (Available in ISO VG 46 & 68)	H2	Compressors in ammonia refrigeration systems	• For systems where evaporator temperatures are greater than -39°C/-38°F
REFLO XL Synthetic Blend	H2	Compressors in ammonia refrigeration systems	- Strong low-temperature fluidity for systems where evaporator temperature is greater than -42°C/-44°F
REFLO Synthetic A	H2	Compressors in ammonia refrigeration systems	 ISO VG 68, full synthetic PAO, specially formulated with seal swell agent Excellent performance in ammonia refrigeration systems that have very low evaporator temperatures (-49°C/-56°F or above)

OUR NO-NONSENSE LUBRICANTS WARRANTY

Petro-Canada Lubricants will repair damaged equipment, or replace damaged equipment parts resulting from a failure due to defects of the Petro-Canada lubricant, as long as the lubricant is used in accordance with your equipment manufacturer's and our recommendations.

It's more than just a warranty. It's a commitment.

WE CAN HELP WITH YOUR BUSINESS

Put us to the test. On your next change-out, change up to **PURITY FG.** Find more information at **PURITYFG.com**

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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