

# PURITY™ FG LUBRICANTS



**SOLUTIONS FOR THE FOOD PROCESSING,  
PACKAGING AND BEVERAGE INDUSTRIES**

**Beyond today's standards.™**



## PURITY™ FG LUBRICANTS

DESIGNED TO PERFORM UNDER THE MOST SEVERE CONDITIONS

PURITY FG food grade fluids and greases have been designed to meet the highest food industry safety standards. In fact, our products do more than protect your equipment from extreme temperature, contamination and intensive cleaning – they help reduce downtime, streamline inventory and, ultimately, can help save time and money. With over 30 years' experience in the industry, it's no wonder companies around the world are making the switch.

# QUALITY & RELIABILITY

## A TRUSTED INTEGRATED SUPPLY CHAIN

With a fully integrated supply chain, we carefully monitor 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 – so you always receive what you need when you need it, regardless of where you are located around the world.

### Meeting stringent industry standards worldwide

We know food safety and productivity are vital to the success and reputation of your business. It's why all PURITY FG lubricants are registered with NSF for use in and around food processing areas and meet the safety standards of the industry.

#### NSF Categories

- H1 Lubricants – Incidental food contact
- H2 Lubricants – No contact with food
- 3H Food Processing Substances – Release agents
- HT1 Heat Transfer Fluid – Incidental food contact

*NSF International provides a widely recognized registration program for products used in food manufacturing plants*

#### ISO Registrations

- ISO 9001
- ISO 14001
- ISO 21469 Certification for most lubricants

Most PURITY FG credentials also include Kosher Pareve and Halal certifications. PURITY FG lubricants can be easily implemented into Hazard Analysis and Critical Control Points (HACCP) plans and Good Manufacturing Practice (GMP) programs.

For a complete list of credentials, please consult a Petro-Canada Representative or visit [PurityFG.com](http://PurityFG.com) to view Technical Data Sheets for specific products.



### THE WORLD'S LARGEST PRODUCER OF WHITE OILS

Most PURITY FG products are made from some of the purest base oils in the world manufactured in our own refinery. By strictly controlling this process from start to finish, we offer a high degree of product consistency so you always get a quality product regardless of where in the world it's going.

### Most PURITY FG lubricants start with the HT Purity Process to produce 99.9% pure, crystal-clear base oils.

Our **HT Purity Process** removes virtually all performance-hindering impurities from our white oils, providing a pure base from which to formulate our food grade lubricants. The absence of impurities means our carefully selected additive systems can provide optimal thermal and oxidative stability.





# SynFX™

## PURITY FG WITH SynFX™ ADVANCED ADDITIVE TECHNOLOGY

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 performance to your operation.

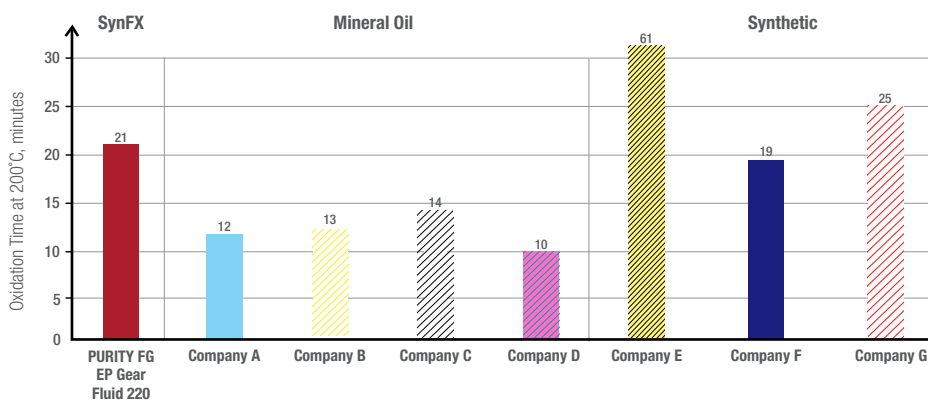
### Synthetic-like longevity for reduced downtime

Rivalling synthetics, PURITY FG with SynFX is engineered to give you longer-lasting protection for greater value. Resisting oxidative breakdown up to 2x longer<sup>†</sup> than competing conventional food grade lubricants, and comparable to some synthetics, it keeps your equipment free from sludge and varnish, resulting in less unnecessary downtime.

### Synthetic-like wide temperature performance

Because it offers excellent high-temperature performance and a pour point that is up to 2x lower<sup>†</sup> than leading food grade conventional competitors (and in the same range as many synthetics), turn to PURITY FG with SynFX for consistent protection across a wide temperature range and boost your productivity.

Resistance to Oxidation  
Pressure Differential Scanning Calorimetry 200°C (392°F)



*Resists oxidative breakdown up to 2x longer<sup>†</sup> than leading conventional food grade lubricants and even comparable to some synthetics.*

Look for new PURITY FG with SynFX in our gear, hydraulic and compressor fluids.

<sup>†</sup>Measured against leading food grade lubricant brands



# PERFORMANCE DRIVEN BY INNOVATION

## STRIVING TO BRING INNOVATIVE SOLUTIONS TO THE MARKET

From our SynFX advanced additive technology to our distinct **HT Purity Process**, an experienced team developing better-performing products is at the core of our commitment to innovation. Our complete line of lubricants is supported by a state-of-the-art Research and Development facility and experienced Technical Service Advisors ready to support your efforts to improve performance and efficiency.

### Lubricants, greases and specialty fluids

We know it's not enough for our food grade lubricants to simply meet the food safety standards; they must also meet your standards for performance. It's why collectively, the PURITY FG family of products is formulated to generally provide:

- longer life through exceptional thermal stability and oxidation resistance
- excellent wear protection
- high resistance to water washout when it comes to greases
- excellent water separability when it comes to oils

“We have had extended uptime in our yogurt production facility. PURITY FG has allowed us to save both time and money.”

– Müller Dairy, Shropshire UK



# INDUSTRIES WE SERVE

We're proud to serve the needs of our customers in over 60 countries worldwide. Providing innovative lubricants, specialty fluids and greases, our reliable delivery reaches customers in a diverse and ever-increasing range of industries.

- Meat & Poultry Processing
- Dairy Product Manufacturing
- Beverage Production
- Bakeries
- Animal Food Manufacturing
- Grain & Oilseed Milling
- Fruit & Vegetable Preserving
- Sugar & Confectionery Manufacturing
- Seafood Preparation & Packaging
- Corrugated Package Manufacturing
- Packaging Containers Manufacturing
- Water Treatment Facilities



## PURITY FG GREASES

Our high-performing, mineral- and synthetic-based greases protect your gears, bearings and equipment against wear and corrosion.

PRODUCTS	NLGI GRADE			NSF REGISTRATION	APPLICATIONS						
	00	1	2	H1	Multi-purpose Grease for General Plant Use	Multi-purpose Grease for Low Temperature	Multi-purpose Grease for Wide Temperature	Heavy Duty Grease	Translucent Grease	Multi-purpose Grease for Centralized Lubrication Systems	Beverage Equipment
PURITY FG GREASE	X	X	X	X	●					●	●
PURITY FG2 WITH MICROL™ MAX† SPRAY			X	X	●						
PURITY FG2 SYNTHETIC GREASE			X	X		●	●				
PURITY FG2 SYNTHETIC HEAVY 220			X	X			●	●			
PURITY FG2 EXTREME GREASE			X	X				●			
PURITY FG2 CLEAR GREASE			X	X					●		●
PURITY FG2 WITH MICROL MAX† GREASE			X	X	●						


























†MICROL™ and MICROL MAX are antimicrobial product preservatives.

# PURITY FG FLUIDS

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

## APPLICATIONS

 = SynFX ADVANCED ADDITIVE TECHNOLOGY

PRODUCTS	NSF REGISTRATION				Hydraulic	Enclosed Gears	Air-Line Lubricators	Compressors and Vacuum Pumps	Chains and Conveyors	Multi-functional Aerosol Sprays	Hook and Trolley Systems	Heat Transfer Systems	Release Agent Wipe Down Oil	Can Seaming	Corrugating Rolls and Slitter Scorer Systems	Rotary Cookers and Sterilizers
	H1	H2	3H	HT1												
PURITY FG-X AW HYDRAULIC FLUID 46	X															
PURITY FG EP GEAR FLUID 100, 150, 220, 320, 460	X															
PURITY FG COMPRESSOR FLUID 32, 46, 68, 100	X															
PURITY FG SYNTHETIC FLUID 46, 100	X															
PURITY FG SYNTHETIC EP GEAR FLUID 220, 460	X															
PURITY FG AW HYDRAULIC FLUID 32, 46, 68, 100	X															
PURITY FG AW HYDRAULIC FLUID WITH MICROL <sup>†</sup> 32, 46, 68	X															
PURITY FG CHAIN FLUID Light, Heavy	X															
PURITY FG TROLLEY FLUID 46	X															
PURITY FG SPRAY	X															
PURITY FG2 WITH MICROL MAX <sup>†</sup> SPRAY	X															
PURITY FG PENETRATING OIL SPRAY	X															
PURITY FG SILICONE SPRAY	X															
PURITY FG HEAT TRANSFER FLUID				X												
PURITY FG WO WHITE MINERAL OIL 10, 15, 35, 40, 68, 90	X		X													
PURITY FG SEAMER-E FLUID	X															
PURITY FG SYNTHETIC ROLL CLEAN FLUID	X															
PURITY FG CORRCUT-E FLUID 15	X															
ROTARY COOKER FLUID		X														

# OUR NO-NONSENSE LUBRICANTS WARRANTY

“Petro-Canada 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.**

## PUT US TO THE TEST

On your next change-out, change up to PURITY FG. Visit [PurityFG.com](http://PurityFG.com) for more information.

If you are an **existing customer** looking 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/  
Europe/Asia** . . . . .Phone +1-866-957-4444

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

If you would like to **become a Petro-Canada Lubricants customer** and require more information about specialty fluids, oils and greases that 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 0800-589-4751
- China** . . . . .Phone +86 (21) 6362-0066

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



Date Published: 06 / 2016