



PURITY* FG CHAIN FLUIDS

Introduction

Petro-Canada PURITY* FG Chain Fluids are advanced food grade lubricants specially formulated to deliver performance and food grade purity. Unlike plain white oils, PURITY* FG Chain Fluids are blended with ultra pure Petro-Canada HT Severely Hydrocracked base oils and selected additives. Their tacky nature makes them adhere strongly to metal surfaces, resist water wash-off and provide excellent anti-wear, anti-oxidation and anti-rust protection. In addition, they meet the highest standards in the food industry USDA H1 approval for incidental food contact applications, FDA regulation 178.3570 and Agriculture Canada requirements. They are excellent products to be used with HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) plans.

PURITY* FG products are certified by Star K as suitable for preparing Kosher foods.

Features and Benefits

- **Outstanding resistance to breakdown caused by air and high temperatures**
 - Keeps system free of sludge and varnish
 - Extends lubricant life
 - Reduces maintenance costs
- **Long-term rust and corrosion protection**
 - Protects metal surfaces from rusting
- **Improved anti-wear protection**
 - Prevents metal-to-metal contact between chains and drive sprockets
 - Reduces maintenance costs
- **Adheres strongly to all surfaces**
 - Resists throw-off, so does not drip
 - Strongly water resistant
 - Gives improved lubrication
 - Reduces oil consumption

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. However, at temperatures above 150° C, equipment should be re-oiled more frequently. If a chain oil in spray cans is required, we recommend Purity* FG MF.

Typical Performance Data

PROPERTY	TEST METHOD	PURITY* FG CHAIN FLUIDS	
		LIGHT	HEAVY
Viscosity			
cSt @ 40°C	D445	151	370
cSt @ 100°C	D445	19.8	44.1
Viscosity Index	D2270	150	175
Flash Point, COC, ° C	D92	230	240
Pour Point, ° C	D97	-9	-12
Colour	D1500	0.5	0.5
Rust A, 24 hr	D665A	pass	pass
Timken OK, kg	D2782	40	40
4-Ball Wear, scar diam (mm) (40kg, 1200 rpm, 1hr., 25° C)	D4172	0.4	0.4
Four Ball Weld, kg	D2783	140	140
FZG Pass Stage	D5182	12	12

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 Health and Safety Data Sheets, contact your Petro-Canada Lubricants representative, or one of Petro-Canada's TechData Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada PURITY* FG Chain Fluids, or any other product in our complete line of quality lubricants, please contact us at:

Petro-Canada
Lubricants Centre
385 Southdown Road
Mississauga, Ontario
L5J 2Y3



Canada-West..... Phone 1-800-661-1199
 - East (English)..... Phone 1-800-268-5850
 (French)..... Phone 1-800-576-1686
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