



LUBRICANTS

AN HF SINCLAIR BRAND

# REFLO<sup>TM</sup> COMPRESSOR FLUIDS

SOLUTIONS FOR COMMERCIAL  
REFRIGERATION SYSTEMS





# OUR WINNING COMBINATION

DELIVERING PROVEN PERFORMANCE AND UNMATCHED SERVICE

Demand for reliable performance and increasing pressure to improve energy efficiency and reduce costs mean the compressor lubricants you choose can make or break your operation. Petro-Canada Lubricants products deliver the winning combination of performance, reliability and lower maintenance costs.

**It starts with performance that exceeds today's standards and your expectations.**

Products like Petro-Canada Lubricants REFLO™ refrigeration compressor fluids are exceeding expectations for customers all over the world. Our premium lubricants can help your business improve equipment performance, optimize operations and boost your bottom line.

**It continues with our knowledgeable people.**

Our Technical Services team can provide timely, on-site solutions that can help extend equipment uptime, reduce maintenance costs and give you the best return on your investment. Our leading Research & Development team has decades of formulating experience, enabling them to develop the best products for your refrigeration compressor needs.

# DIAL DOWN THE TEMPS. DIAL UP PERFORMANCE.

When it comes to your operation, improving reliability while reducing costs is mission-critical. REFLO™ refrigeration compressor fluids are formulated to help you get the most out of your commercial refrigeration system. Made with ultra-pure, high quality base oils and additives, each product in the REFLO line is formulated to deliver:



## UNPARALLELED PERFORMANCE

Uninterrupted service is crucial when operating a commercial refrigeration system. Formulated with ultra-pure, high quality base oils and specialty additives, REFLO refrigeration compressor fluids deliver exceptionally reliable performance.



## LONGER LIFE

Formulated to resist degradation and better protect equipment, REFLO products extend the service life of commercial refrigeration systems.



## LESS MAINTENANCE

REFLO products reduce plugging, deposit formation and sludge, resulting in less change-outs and downtime.



## LOWER COSTS

REFLO products can significantly reduce operational costs by extending equipment life and improving system and energy efficiency.



# REFLO™ A

## MAXIMIZE YOUR EQUIPMENT AND YOUR OPERATION

Unlike traditional solvent-refined paraffinic and naphthenic refrigerant oils, REFLO A is an ammonia refrigeration compressor fluid that can help extend the life of your equipment which can help reduce your operating costs.

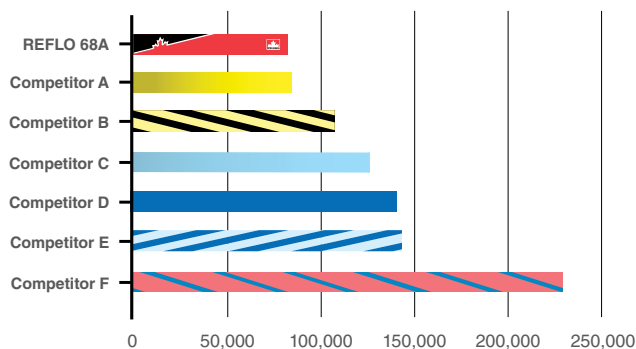
### Recommended for use in:

- Ammonia refrigeration compressors used in large commercial applications
- Manufacturing industries that require low-temperature control

### Approvals:

- Approved by or meets the requirements of most major compressor OEMs
- Approved for NSF H2 and acceptable for use in food processing facilities where there is no possibility of food contact
- Approved by Mayekawa/MYCOM and recommended for screw compressors

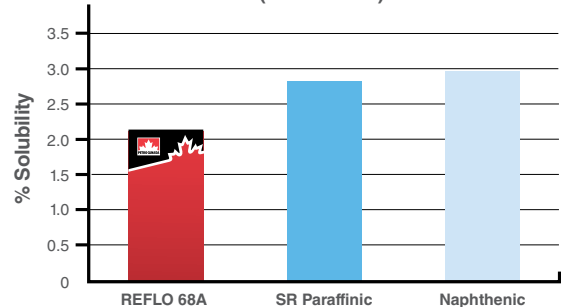
Brookfield Viscosity  
(-35°C / -31°F, cP)



Delivering better fluid pumpability than most leading competitive compressor fluids, REFLO 68A has very strong low-temperature fluidity and maintains pumpability even in temperatures as low as -35°C/-31°F.

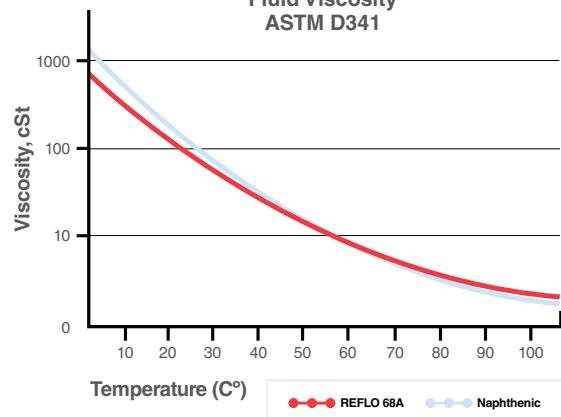


Solubility With Ammonia  
(46°C/115°F)



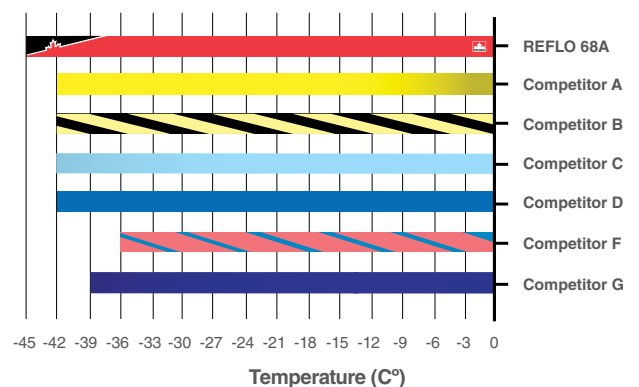
Less solubility in ammonia can improve system performance and efficiency, ensuring better protection against wear and lower maintenance costs.

Fluid Viscosity  
ASTM D341



A significantly higher viscosity index than naphthenic compressor fluids means that REFLO A does not thin out as much at higher temperatures, delivering better wear protection.

Pour Point (°C)



REFLO 68A maintains a better or equal pour point compared to competitive products. That means continued performance even in lower temperatures within the compressor system.



# REFLO™ SYNTHETIC

## HIGH PERFORMANCE AT LOW TEMPERATURES

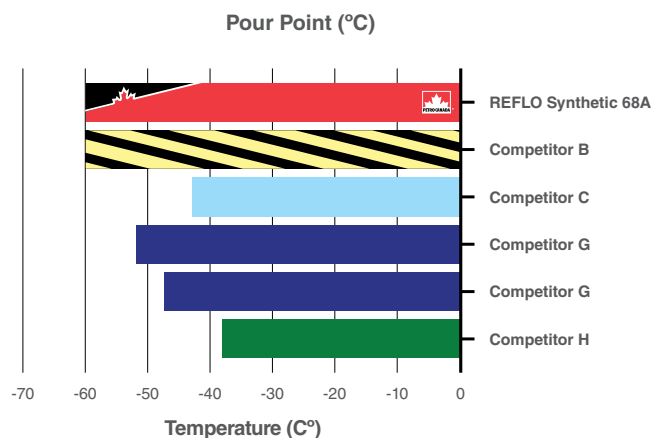
Formulated to extend equipment life and deliver reduced operating costs, REFLO Synthetic 68A is a synthetic polyalphaolefin / alkylbenzene based ammonia refrigeration compressor fluid that consistently delivers reliable performance in low temperatures. Its improved stability maintains system cleanliness, its lower volatility reduces oil consumption and change-outs, and its seal swell agent reduces seal shrinkage.

### Recommended for use in:

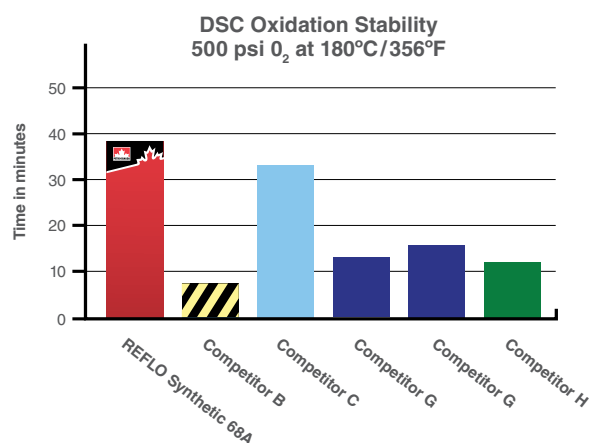
- Ammonia refrigeration compressors used in large commercial operations
- Blast freezers that have very low evaporator temperatures
- Manufacturing industries that require very-low-temperature control
- Ammonia refrigeration systems where evaporator temperatures are greater than -51°C / -59.8°F

### Approvals:

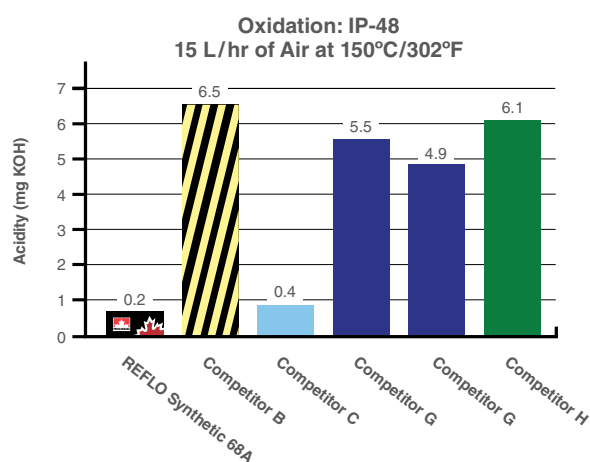
- Approved by or meets the requirements of most major compressor OEMs



*Provides excellent low-temperature performance.*



*Excellent oxidation stability period when compared to leading competitors.*



*Excellent oxidation properties help reduce sludging and extend service life.*



# REFLO™ XL

## LONGER LASTING. BETTER PERFORMING.

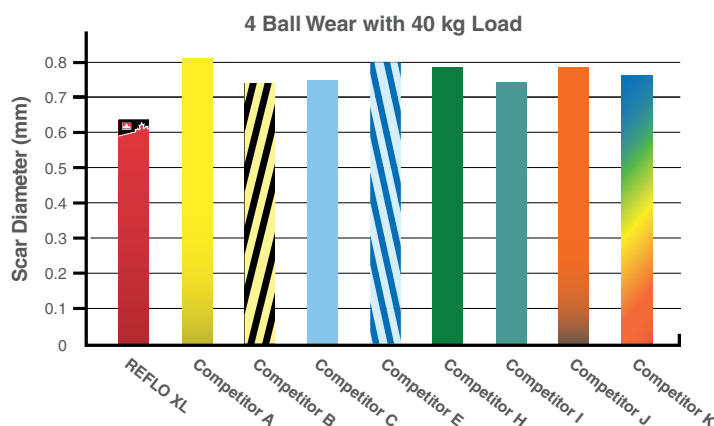
REFLO XL is a synthetic blend based refrigeration compressor fluid formulated to outperform straight Group II solvent-refined paraffinic and naphthenic refrigerant oils, helping deliver reliable, long-term performance in ammonia refrigeration systems. REFLO XL also contains seal conditioning additives that can prolong the life of seals.

### Recommended for use in:

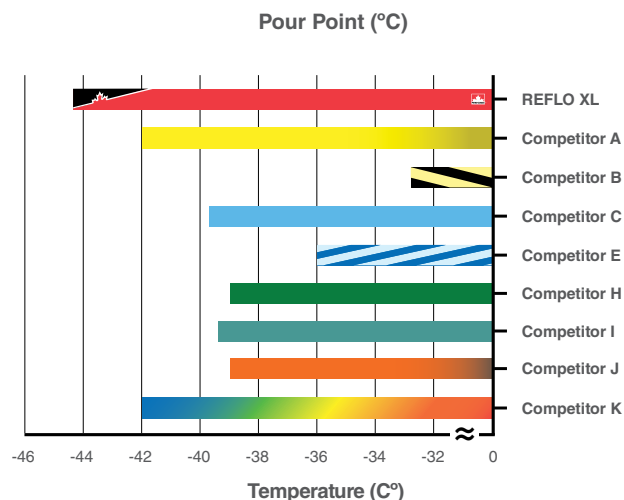
- Ammonia refrigeration compressors used in large commercial operations
- Manufacturing industries that require very-low-temperature control

### Approvals:

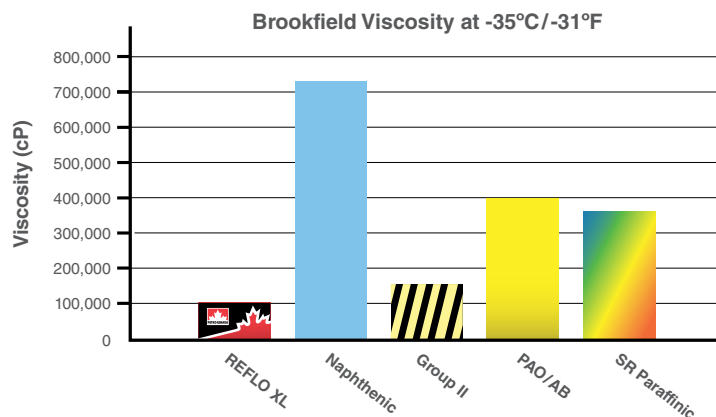
- Approved by or meets the requirements of most major compressor OEMs
- Approved for NSF H2 and acceptable for use in food processing facilities where there is no possibility of food contact
- Approved by Mayekawa/MYCOM and recommended for screw compressors



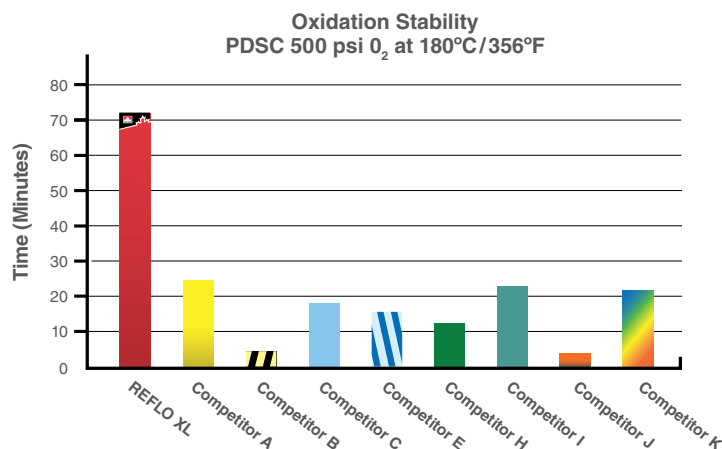
REFLO XL helps reduce premature liner and ring failures in reciprocating compressors. Its anti-wear capabilities reduce metal-to-metal contact, which helps prevent equipment failure.



REFLO XL maintains a lower pour point compared to other leading Group II competitive products. That means continued performance even in lower temperatures within the compressor system.



Delivering better fluid pumpability than most leading competitive compressor fluids, REFLO XL has very strong low-temperature fluidity and maintains pumpability even in temperatures as low as -35°C/-31°F.



Excellent oxidation stability delivers improved fluid breakdown in systems where trace air or oxygen contamination is an issue. That means fewer fluid change-outs and reduced costly downtime.

# REFLO™ CFC

## DELIVERING RELIABILITY

REFLO CFC is a general-purpose refrigeration compressor fluid formulated for use in legacy systems using chlorinated fluorocarbon refrigerants. It's formulated using a highly refined naphthenic oil with good low-temperature properties.

### Recommended for use in:

- Ammonia systems where another naphthenic oil has been used previously and a complete change-out of seals cannot be made
- Systems that use CFC refrigerants such as Freon, Genetron and Isotron



## A PRODUCT LINEUP THAT EXCEEDS EXPECTATIONS

### WHAT OUR CUSTOMERS ARE SAYING:

“REFLO 68A separates from the ammonia gas and does not circulate through the system. With other fluids, I had to change filters every 3 to 6 months. I'm not even going to replace the filters on my equipment now. It's saving my company a lot of money.”

**Johan Muller**

*Technical Manager*

Hexkoel Beperk, Hex River Valley, South Africa

“With REFLO A, we've saved about 80 litres of oil a year in a large, two-stage compressor.”

**Michael Glering**

*Operations Manager*

Claus Sørensen A/S, Vejle, Denmark

# OUR NO-NONSENSE LUBRICANTS **WARRANTY**

“We will repair equipment or replace equipment parts that are damaged due to defects of a Petro-Canada Lubricants product, 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.**

To learn more about how Petro-Canada Lubricants products can help your business, visit **[lubricants.petro-canada.com](http://lubricants.petro-canada.com)** or contact us at **[lubecsr@hfsinclair.com](mailto:lubecsr@hfsinclair.com)**

Committed to the disciplined operation of our business.



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