



## REFLO CFC REFRIGERATION COMPRESSOR OIL

### Introduction

Petro-Canada Reflo CFC Refrigeration Compressor Oil is a refrigeration lubricant designed for general purpose lubrication of refrigerator compressors working with CFC (chlorinated fluorocarbon) refrigerants.

Reflo CFC is a highly refined naphthenic oil with excellent low temperature properties and a very low wax content that helps to avoid floc formation problems while in service. Reflo CFC has improved dispersibility which optimises heat transfer and oil return. It also has a higher viscosity range, thereby providing excellent lubrication.

Reflo CFC should be stored in a clean, dry area and care must be taken to avoid contact with dirt and moisture.

### Features and Benefits

- **Greater Chemical Stability**
  - Better able to resist chemical reaction with the refrigerant or other material present
- **No Contamination**
  - Prevents scarring of bearing surfaces and guards against general deterioration of lines and oil ports
- **Low Temperature Properties**
  - Compatible with the refrigerant at low temperatures and has a low wax content which prevents wax deposits that may clog the system
  - Low pour point prevents congealing in refrigerant lines

### Applications

Reflo CFC is formulated to work with CFC (chlorinated fluorocarbon) refrigerants such as R11, R12, R-113, R-114, R-115. It may also be used at moderate temperatures with HCFC (hydrochlorinated fluorocarbon) refrigerants such as R22, R123, R-124, R-141b, R-142b, R-502 as well as Methyl Chloride, Carbon Dioxide (R-744) and Ammonia (R-717). Reflo CFC is recommended for use by major OEM manufacturers of compressors and equipment.

**NOTE:** This product is not intended for use with HFC (hydrofluorocarbon) refrigerants or their mixtures (R-23, R-125, R-134a, R-143a, R-152a, R-404a, R-500, R-507).

**Ammonia Systems:** For exceptional service in ammonia refrigeration systems including long oil life and less oil consumption, Petro-Canada recommends Reflo 46A and 68A.

*For product specifications and application guidelines on Reflo 46A and 68A, contact your Petro-Canada Representative, or contact one of the TechData Info lines.*

#### What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



## Typical Performance Data

PROPERTY	TEST METHOD	REFLO CFC
Density @ 15°C, kg/L	ASTM D4052	0.911
Gravity API	ASTM D4052	23.8
Colour	ASTM D1500	0.5
Viscosity, cSt @ 40°C	ASTM D445	55
cSt @ 100°C		5.78
SUS @ 100°F	ASTM D2161	290
SUS @ 210°F		45.7
Pour point (°C / °F)	ASTM D97	- 36 / - 33
Flash Point COC (°C / °F)	ASTM D92	189 / 372
Floc Point, max (°C / °F)	3-GP-0100.1	-50 / -58
Total Acid number (TAN), mg KOH/g	ASTM D974	0.01

The values quoted above are typical of normal production. They do not constitute a specification.

## Health and Safety

When used as directed, Reflo CFC has no adverse effects on health. No special handling is required beyond normal hygiene. Reflo CFC is non controlled under OSHA and WHMIS with no worker exposure limits (PELs or TLVs). To obtain Material Health and Safety Data Sheets, contact one of Petro-Canada's TechData Info Lines.

## TechData Info Lines

If you would like to know more about the technical aspects of Reflo CFC, 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

**Other Areas** . . . . . Phone (905) 403-6781

**Technical Inquiries** . . . . . Fax (905) 403-6875

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