

TECH DATA

REFLO™ CFC

REFRIGERATION COMPRESSOR OIL

INTRODUCTION

Petro-Canada Lubricants REFLO CFC Refrigeration Compressor Oil is a refrigeration lubricant designed for general purpose lubrication of refrigerator compressors working with CFC (chlorinated fluorocarbon) refrigerants. Formulated with high quality base oils and specially selected additives, REFLO CFC is a 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 should be stored in a clean, dry area and care must be taken to avoid contact with dirt and moisture.

FEATURES AND BENEFITS

Chemical Stability

- Able to resist chemical reaction with the refrigerant

Low Temperature Properties

- Compatible with the refrigerant at low temperatures and has a low wax content which helps prevent 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.

REFLO CFC is compatible with similar naphthenic refrigeration oils, however full performance benefits may not be realized without full fluid changeout.

Follow proper changeout procedures (see TB1146E).

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: REFLO CFC can be used in ammonia refrigeration systems where evaporator temperatures are as low as -36°C (-33°F).*

For product specifications and application guidelines on REFLO 46A and 68A, contact a Petro-Canada Lubricants Technical Services Advisor or contact one of the TechData Info lines.

Please be advised that REFLO products are not recommended for top-up on pre-existing refrigeration compressor fluids with different chemistries. For example, REFLO A, XL (paraffinic), Synthetic (PAO) fluids should not be mixed with naphthenic or aromatic type fluids. REFLO CFC is a naphthenic fluid and should not be mixed with paraffinic fluids. Doing so results in increased risk of seal damage/leaks and reduced performance.

*These are recommended minimum evaporator temperatures based on our products' typical pour point. It is important to refer to your operating manual and follow suggested OEM instructions. It is not recommended to operate at evaporator temperatures cooler than the pour point of the compressor oil as waxing / flocking may occur.

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 D5950	- 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.

Learn more about us: petrocanadalubricants.com

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Committed to the disciplined operation of our business.



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