



COMPRESSOR CLEANER

Introduction

Petro-Canada's Compressor Cleaner is a specially formulated synthetic cleaner capable of dissolving varnish and solubilizing sludge from compressors while they are operating.

Petro-Canada Compressor Cleaner contains oxidation and rust inhibitors, and may be used as a short term compressor lubricant (up to 400 hours). It is fully compatible with mineral oils and most synthetics. Its high flash point and low toxicity ensures safety in its application.

Features and Benefits

- **Longer machinery life**
 - Petro-Canada's Compressor Cleaner removes varnish or sludge left by the previously used lubricant.
 - Regular scheduled cleaning with Petro-Canada's Compressor Cleaner reduces varnish build up and increases the cooling efficiency of the oil. It also ensures proper fluid life for the fresh oil.
 - For slightly varnished machines using mineral oils, polyalphaolefins (PAO) or diester lubricants and for all conversions from polyglycol synthetics, it is recommended to clean and flush the compressor with Compressor Cleaner.
- **Ensures peak performance of new fluid**
 - For maximum performance during changeovers, it is recommended to clean and flush the compressor with Compressor Cleaner to dissolve varnish and sludge residue prior to filling with the new compressor fluid or lubricant.

- **Minimize down time**

- A regularly serviced compressor will perform better and last longer if regularly maintained, reducing down time.
- Petro-Canada's Compressor Cleaner may be used as a flushing fluid when converting from other lubricants to Petro-Canada's Compressor Fluids.

Applications

Petro-Canada Compressor Cleaner may be used for removal of varnish, dirt and oxidized fluid from compressor and compressor lubricating systems.

For slightly varnished machines using mineral oils, polyalphaolefins (PAO) or when diester or polyglycol lubricants were previously used, it is recommended to clean and flush the compressor with Compressor Cleaner.

Compressor Cleaner may be used as a flushing fluid when converting from other lubricants to Petro-Canada's Compressor Fluids. This is particularly recommended when the compressor is varnished or dirty.

Cleaning and Flushing Procedures

1. Drain the used lubricant while hot – especially from filters and oil coolers.
2. Change the oil filter.
3. Fill with Petro-Canada Compressor Cleaner and run for a minimum of 40 hours. Change oil filter and run for a minimum of 40 hours but no more than 400 hours.
4. Drain the cleaner and inspect the compressor. If still dirty, repeat steps 2 and 3.
5. Change oil and air filter. Replace separator if necessary.

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.



6. Fill compressor half full with the selected Petro-Canada compressor fluid (Super Compressor Fluid or Purity FG Compressor Fluid) and run for 2 hours.
7. Drain and repeat Step 6.
8. Drain and refill with a full charge of the selected Petro-Canada compressor fluid.

For medium to heavy varnish, steps 2 and 3 will have to be repeated at least twice using the Compressor Cleaner for a minimum of 200 hours each time, but no more than 400 hours. For extremely varnished compressors, consult an approved service company.

Typical Performance Data

PROPERTY	TEST METHOD	COMPRESSOR CLEANER
Density, kg/L at 15°C (60°F)	ASTM D4052	0.94
Flash point, C O C, °C/°F	ASTM D0092	230/446
Fire point, C O C, °C/°F	ASTM D0092	260/500
Kinematic Viscosity, cSt at 40°C/SUS @ 100°F	ASTM D0445	42.6/199
Kinematic Viscosity, cSt at 100°C/SUS @ 210°F	ASTM D0445	5.9/45.6
Viscosity Index	ASTM D2270	65
Total acid number, mg KOH/g	ASTM D664	0.15
Pour point, °C/°F	ASTM D97	-27/-17
Rust Procedure A	ASTM D665	Pass
Oxidation stability, 24 h, 180°C (356°F) % Visc. increase @ 40°C (104°F)	IP048	4
TAN	IP048	0.02

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

Health and Safety

When used as directed, Petro-Canada Compressor Cleaner has no adverse effects on health. Beyond normal hygiene, no special precautions are required. 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 Petro-Canada Compressor Cleaner, or any other product in our complete line of quality lubricants, please contact us at:

**Petro-Canada
Lubricants Centre
385 Southdown Road
Mississauga, Ontario
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