



RP COMPRESSOR OILS

Introduction

Petro-Canada Compressor Oils RP 268 and RP 460 have been specifically designed for the lubrication of natural gas compressor cylinders and rod packings that have force-feed lubrication systems and operate on sour, wet or contaminated natural gas.

RP Compressor Oils are formulated using specially selected base oils and an advanced, barium-free, non-fatty additive package. They demonstrate excellent high-temperature stability, very good lubricity and wear protection while minimizing deposit formation in severe operating conditions. RP Compressor Oils resist being diluted and washed away by condensed light hydrocarbons.

Features and Benefits

Compared to conventional compressor oils containing fatty oils such as tallow, RP Compressor Oils offer the following benefits:

- High film strength and load carrying capability
- Superior anti-wear properties
- Very good oxidative and thermal stability
- Minimal deposit formation
- Elimination of fatty deposits from lubricator reservoirs, as well as from downstream separators and chillers
- Improved resistance to contamination by hydrogen sulphide (H_2S), glycols, amines and other sour gas scrubbing chemicals

Applications

Petro-Canada Compressor Oils RP 268 and RP 460 have been specifically developed for the lubrication of natural gas compressor cylinders and rod packings that have separate force feed lubrication systems. They are primarily recommended for use in the compression of sour, wet or contaminated natural gas. The higher viscosity RP 460 grade is especially suited for higher pressure applications.

Compressor Oils RP 268 and RP 460 may also be used for the initial break-in (first 500 hours running) of compressor cylinders in sweet or dry gas service.

For more detailed recommendations on cylinder packing lubrication for various gas stream components, contact Petro-Canada for TechBulletin TB-1105 Cylinder Packing Lube Oil Recommendations

What is the HT difference?

Petro-Canada starts with the 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	ASTM TEST METHOD	RP 268	RP 460
Density, kg/litre	D1298	0.891	0.894
API Gravity	D1298	27.4	28.5
Colour	D1500	>8	>8
Viscosity	D445		
cSt @ 40°C		252	405
cSt @ 100°C		20.9	28.6
Viscosity Index	D2270	97	98
Flash Point, °C	D92	270	280
Pour Point, °C	D5950	-18	-15
Total Acid Number (TAN)	D664	<0.01	<0.01
Total Base Number (TBN)	D2896	6.5	6.5

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

Health and Safety

When used as directed, Petro-Canada RP Compressor Oils have 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

To place an order, please call a Customer Order Management Representative at :

Canada (English) Phone 1-800-268-5850
(French) Phone 1-800-576-1686
United States Phone 1-877-730-2369
Latin America Phone +1-416-730-2369
Europe Phone +1-416-730-2389
Asia Phone +1-416-730-2372
China Phone +86 (21) 6362-0066

To learn more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at :

North America Phone 1-866-335-3369
Europe Phone +44 (0) 121-781-7264
Germany Phone +49 (0)201 726 2913
Latin America Phone +1-416-730-2369
Asia Phone +1-416-730-2372
China Phone +86 (21) 6362-0066
E-mail sales@suncor.com

You can also e-mail us at lubecsr@suncor.com

Visit us on the web at lubricants.petro-canada.ca

IM-7900E (2013.08)

Petro-Canada is a Suncor Energy business
™Trademark of Suncor Energy Inc. Used under licence.

Beyond today's standards.

