



LUBRICANTS

AN HF SINCLAIR BRAND

TECH DATA

PC GasComp HT

COMPRESSOR FLUIDS

MINERAL OIL BASED COMPRESSOR
FLUIDS FOR NATURAL GAS

INTRODUCTION

Petro-Canada Lubricants PC GasComp HT Compressor fluids are designed for use in flooded screw, rotary vane and reciprocating compressors in natural gas production service and are intended for the compression of hydrocarbon gases at moderate discharge temperatures. These hydrotreated (HT) mineral oil based fluids include a specific additive formulary to help protect metal surfaces against corrosion from water and sour gas components providing excellent performance in the harshest natural gas application environments. The additive system is compatible with corrosive (H_2S & CO_2) hydrocarbon gas streams.

FEATURES AND BENEFITS

Protects equipment from corrosion in gas streams with high corrosive gas environments (>10% H_2S and CO_2).

Ensures smooth start-up in cold climates

Demulsible - Fast water separation

Excellent lubricity

Excellent shear stability

Low foaming

Economically priced vs. synthetics

APPLICATIONS

PC GasComp HT compressor fluids are used for flooded screw and reciprocating compressors in natural gas field applications. Although these fluids are primarily intended for natural gas service, at moderate temperatures and pressures, they can be used in select applications where water, H_2S and/or CO_2 contaminates the natural gas streams.

PC GasComp HT fluids are specifically recommended for:

- Compression of the hydrocarbon gases (methane and ethane) where the expected dilution is ≤ 10 wt%, and discharge temperatures are moderate (< 99 °C / 210 °F)
- Compression of lower specific gravity sour or acidic gas streams
- Available in ISO 100 and ISO 150 viscosity grades

For more difficult gas streams, where heavy hydrocarbons are present, the PC GasComp SP series of PAG compressor fluids may be a better fit.

Please contact a Petro-Canada Lubricants Technical Services Advisor, who can recommend an appropriate fluid for your application.

TYPICAL PERFORMANCE DATA

Property	Test Method	PC GasComp HT 100	PC GasComp HT 150
Appearance	Visual	Colourless to yellow	Colourless to yellow
Density, kg/L at 15°C	ASTM D4052	0.875	0.866
Kinematic Viscosity cSt at 40°C cSt at 100°C	ASTM D445	103 11.8	152 14.9
Viscosity Index	ASTM D2270	102	101
Flash Point, COC, °C / °F	ASTM D92	260/500	260/500
Acid Number (AN), mg KOH / g	ASTM D974	0.3	0.3
Pour Point, °C / °F	ASTM D5950	-33 / -27	-30 / -22
Foaming Tendency, Sequence I	ASTM D892	20/0	20/0
Foaming Tendency, Sequence II	ASTM D892	10/0	10/0
Foaming Tendency, Sequence III	ASTM D892	20/0	20/0
Mechanical Emulsion, 82°C	ASTM D1401	43-37-0 (5)	43-37-0 (5)
Rust, 48 hrs	ASTM D665	Pass	Pass

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

Learn more about us: lubricants.petro-canada.com
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Committed to the disciplined operation of our business.



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