

BREOX LPG 46

Additional Technical Data

INTRODUCTION

BREOX Compressor Lube LPG 46 is a high performance synthetic gas compressor lubricant based on a Polyalkylene glycol. It is designed for use in rotary screw compressors used for the compression of petroleum and process gases. The low compatibility of **BREOX** LPG 46 with these gases reduces the viscosity drop which will occur due to solubility of the compressed gas at operating temperature and pressure, thus maintaining lubricant performance.

PAG ADVANTAGES

Poor compatibility with Hydrocarbon gases, reduced lubricant film degradation.

Superior lubricity compared to alternative synthetic technologies and mineral oils. Improved lubricant performance can result in improved system efficiency, lower maintenance costs and reduced downtime.

Exceptional Viscosity Index – The high VI of **BREOX** LPG 46 enhances compressor life by ensuring efficient running at temperature extremes.

Good high temperature stability, resulting in reduced downtime and lower maintenance costs.

Formulating Expertise – The **BREOX** LPG 46 contain efficient additive technology to protect the compressor from any problems related to corrosion of white or yellow metals and to minimise the effects of wear and extreme pressure conditions and to ensure long fluid life.

TYPICAL PROPERTIES

Performance Attribute	Analysis Method	LPG 46
Viscosity @40°C (cSt)	ASTM D445	42
Viscosity @100°C (cSt)	ASTM D445	8.3
Viscosity Index	ASTM D2270	178
Density (gcm ⁻³)	ASTM D1298	0.983
Flash Point (°C)	ASTM D92	242
Pour Point (°C)	ASTMD97	-50
Water Content (wt% max)	ASTM E284	0.03
TAN (mgKOHg ⁻¹)	ASTM D974	0.10

(The typical values presented here should not be considered to constitute a specification).

Remarks

Handling & Safety:

A material Safety Data Sheet (MSDS) has been issued describing the health, safety and environmental characteristics of BREOX LPG 46 together with handling precautions and emergency procedures. This must be consulted and fully understood before storage, handling and use.

Storage:

Revision-No.

1.1-07.2005 Effective July 28, 2005

The product can be stored for at least 1 year at ambient storage conditions and temperature without any deterioration.

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