

FRAGOL COMP PGE 46

Synthetic Compressor Oil

FRAGOL COMP PGE 46 is a synthetic ISO VG 46 high performance mixture of Polyglycol (PAG) and polyolester (POE) formulated to provide outstanding resistance to oxidation and thermal degradation required in air compressors.

FRAGOL COMP PGE 46 is formulated with latest available additive technology to meet or exceed common OEM requirements and can be used in rotary compressors operating at high air pressures and discharge temperatures. This formulation does not contain barium.

Note that contact should be avoided with gasses containing reactive and acidic components, e.g.: Hydrogen Halides (HF, HBr, HCl), Sulphur Oxides (SO₂, SO₃), Nitrogen Oxides (NO_x) and other acid gasses such as H₂S. Contact our technical team for alternative solutions for such applications.

APPLICATION

FRAGOL COMP PGE 46 is recommended for use in systems, such as:

- Screw compressors specifying a PAG-based lubricant
- Drop-in replacement for compressors presently using OEM type PAG/POE oils

For further information on other applications please contact our technical team.

BENEFITS

FRAGOL COMP PGE 46 has advantages over mineral oils and other synthetic lubricants and is characterised by:

- Excellent oxidation stability
- Very good thermal resistance
- Good water separation and air release
- Good metal wetting properties
- Extended drain intervals
- No deposit/lacquer formation
- Reduced power consumption

TEMPERATURE RANGE

-25°C to 210°C

SPECIFICATION

FRAGOL COMP PGE 46 meets or exceeds the requirements of the following specifications:

DIN 51506:2017-08 VDL

ISO-L-DAJ (according to ISO/DIS 6743-3)

COMPATIBILITY

FRAGOL COMP PGE 46 is based on chemistry with outstanding solvency properties providing deposit-free valve operation. This also means contact should be avoided with materials such as: natural rubber, low nitrile rubber (Buna N, NBR (<30% acrylonitrile), butyl rubber, polychloroprene (Neoprene), styrene-butadiene rubber (Buna S, SBR), ethylene-propylene terpolymer (EPDM), ethylene/acrylic rubber, PVC, polyethylene, single component paint.

Is not compatible with other chemistries. When switching from other lubricants or in presence of remaining residues, flushing is recommended.

TYPICAL CHARACTERISTICS

FRAGOL COMP PGE 46	Value	Unit	Method
Appearance	Clear, yellow liquid	-	Visual
Viscosity @ 40 °C	44.8	mm ² /s	ASTM D-445
Viscosity @ 100 °C	7.5	mm ² /s	ASTM D-445
VI	134	-	ASTM D-2270
Density @ 15.6 °C	0.935	kg/l	ASTM D-1298
Total acid number	0.6	mg KOH/g	ASTM D-664
Flash point (COC)	254	°C	ASTM D-92
Pour point	-44	°C	ASTM D-97
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
Demulsibility @ 54 °C	30	min.	ASTM D-1401

2017-12



All the above information is represented to the best of our knowledge. However, we do not take any legal responsibility for the correctness of this information or viability for use in certain applications. Technical data represent approximate values and are subject to the usual production fluctuations.