

## FRAGOL COMP P 46 FG

### Synthetic Food Grade Compressor Oil

**FRAGOL COMP P 46 FG** is a synthetic ISO VG 46 high performance compressor lubricant based on a mixture of poly-alpha-olefins (PAO) and utilizes latest available additive technology providing outstanding resistance to oxidation and thermal degradation required in oil flooded screw compressors used in the food-, feed- and pharmaceutical industries.

**FRAGOL COMP P 46 FG** meets the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur. All FRAGOL H1-registered products are manufactured according to ISO 21469:2006 which supports producers' HACCP and GMP programs. FRAGOL H1-lubricants do not contain ingredients of animal origin or genetically modified products and are KOSHER and HALAL certified.

#### APPLICATION

**FRAGOL COMP P 46 FG** is recommended for use in air displacement systems, such as:

- Screw compressors
- Rotary-vane compressors used in mild operating conditions

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

#### TEMPERATURE RANGE

-30°C to 150°C

#### SPECIFICATION

**FRAGOL COMP P 46 FG** meets or exceeds the requirements of the following specifications:

DIN 51506

#### BENEFITS

**FRAGOL COMP P 46 FG** has advantages over mineral oils and other synthetic lubricants and is characterized by:

- Excellent oxidation stability
- Outstanding thermal resistance
- Good water separation and air release
- High wear protection
- Extended drain intervals
- No deposit/lacquer formation
- Reduced power consumption

#### COMPATIBILITY

**FRAGOL COMP P 46 FG** is based on synthetic hydrocarbons and has characteristics very similar to mineral oils with regard to its compatibility with seals, gaskets, hoses and paints. No special requirements are necessary when replacing mineral oil or other PAO-based lubricants. Flushing is recommended to remove remaining residues.

#### TYPICAL CHARACTERISTICS

FRAGOL COMP P 46 FG	Value	Unit	Method
Appearance	Clear, yellow liquid	-	Visual
Viscosity @ 40 °C	45.7	mm <sup>2</sup> /s	ASTM D-445
Viscosity @ 100 °C	7.7	mm <sup>2</sup> /s	ASTM D-445
VI	136	-	ASTM D-2270
Density @ 15.6 °C	0.846	kg/l	ASTM D-1298
Total acid number	0.7	mg KOH/g	ASTM D-664
Flash point (COC)	236	°C	ASTM D-92
Pour point	-42	°C	ASTM D-97
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
Demulsibility @ 54 °C	12	min.	ASTM D-1401
FBW @ 40kg/1Hr/75°C/1200rpm	0.33	mm	ASTM D-4172
Welding load	160	kg	ASTM D-2783

15082eMa



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.