



FRAGOL COMP P 46 FG

FRAGOL COMP P 46 FG is a synthetic ISO VG 46 high performance compressor lubricant based on a mixture of poly-alpha-olefins (PAO) which utilises 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.

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.

APPLICATIONS

- Screw compressors
- Vane compressors operating under moderate temperature and load conditions
- Vacuum pumps providing low to medium vacuum

BENEFITS

- 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

TYPICAL CHARACTERISTICS

FRAGOL COMP P 46 FG	Value	Unit	Method
Temperature range	-30 to 150	°C	-
Appearance	clear liquid	-	visual
Viscosity @ 40 °C	45.7	mm ² /s	ASTM D-445
Viscosity @ 100 °C	7.7	mm ² /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 @ 82 °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

SPECIFICATIONS

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

DIN 51506:2017-08 VDL
ISO-L-DAJ / DVA (according to ISO 6743-3)

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. There are no special requirements when replacing mineral oil or other PAO-based lubricants. Flushing is recommended to remove remaining residues.