



FRAGOL COMP W 46 FG

FRAGOL COMP W 46 FG is an ISO VG 46 compressor oil based on a mixture of white oils which utilises latest available additive technology providing outstanding resistance to oxidation and thermal degradation required in screw and rotary-vane compressors in the food-, feed- and pharmaceutical industries.

FRAGOL COMP W 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 low temperature 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 W 46 FG	Value	Unit	Method
Temperature range	-20 to 140	°C	-
Appearance	clear, yellow liquid	-	visual
Viscosity @ 40 °C	45.2	mm ² /s	ASTM D-445
Viscosity @ 100 °C	6.8	mm ² /s	ASTM D-445
VI	106	-	ASTM D-2270
Density @ 15.6 °C	0.875	kg/l	ASTM D-1298
Total acid number	0.7	mg KOH/g	ASTM D-664
Flash point (COC)	224	°C	ASTM D-92
Pour point	-35	°C	ASTM D-97
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
Demulsibility @ 54 °C	9	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 W 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 W 46 FG is compatible with commonly used seals, gaskets, hoses and paints. There are no special requirements when replacing PAO or other mineral-based lubricants. Flushing is recommended to remove remaining residues.