PRODUCT INFORMATION

FRAGOL COMP E 320

Synthetic Compressor Oil

FRAGOL COMP E 320 is a synthetic ISO VG 320 high performance ester-based compressor lubricant that utilises latest available additive technology providing outstanding resistance to oxidation and thermal degradation required in air compressors and pumps.

FRAGOL COMP E 320 is formulated to meet or exceed common OEM requirements and can be used in combination with inert / non-reactive process gases and fumes, e.g.: hydrogen, helium, carbon monoxide, carbon dioxide (dry), natural gas (methane), propane, butane, furnace (crack) gas, ethylene, butadiene, benzene.
Note that contact should be avoided with gasses containing reactive and acidic components, e.g.: Hydrogen Halides (HF, HBr, HCl), Sulphur Oxides (SO_2, SO_3), Nitrogen Oxides (NO_x) and other acid gasses such as H_2S. Contact our technical team for alternative solutions for such applications. Under certain operating conditions the oil might turn red in colour. This has no influence on the product quality.

APPLICATION

FRAGOL COMP E 320 is recommended for use in systems, such as:

- Reciprocating compressors

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

TEMPERATURE RANGE

-15°C to 230°C

SPECIFICATION

FRAGOL COMP E 320 meets or exceeds the requirements of the following specifications:

DIN 51506:2017-08 VDL

BENEFITS

FRAGOL COMP E 320 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

COMPATIBILITY

FRAGOL COMP E 320 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.
When switching from other lubricants or in presence of remaining residues, flushing is recommended.

TYPICAL CHARACTERISTICS

FRAGOL COMP E 320	Value	Unit	Method
Appearance	Clear, yellow liquid	-	Visual
Viscosity @ 40 °C	316.8	mm^2/s	ASTM D-445
Viscosity @ 100 °C	21.5	mm^2/s	ASTM D-445
VI	80	-	ASTM D-2270
Density @ 15.6 °C	0.943	kg/l	ASTM D-1298
Total acid number	0.29	mg KOH/g	ASTM D-664
Flash point (COC)	258	°C	ASTM D-92
Pour point	-24	°C	ASTM D-97
Steel corrosion	Pass	-	ASTM D-665 B
Demulsibility @ 82 °C	16	min.	ASTM D-1401

2021-03

FRAGOL AG | Solinger Straße 16 | 45481 Mülheim, Germany | Tel.: +49 (0)208 30002-40 | lubes@fragol.de