

COMPRESSOR E 100

Synthetic Compressor Oil

212402/06.18

Rev. 0

DESCRIPTION & APPLICATIONS

Compressor E 100 is a synthetic ISO VG 100 high performance ester-based compressor lubricant that utilises the latest available additive technology providing outstanding resistance to oxidation and thermal degradation required in air compressors and pumps.

Compressor E 100 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 (SO₂, SO₃), Nitrogen Oxides (Nox) and other acid gasses such as H₂S. 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.

Compressor E 100 is based on chemistry with outstanding solvency properties providing depositfree 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.

ADVANTAGES

- Excellent oxidation stability
- Very good thermal resistance
- Good water separation and air release
- Good metal wetting properties
- Extended drain intervals

PERFORMANCES

Satisfies to the following specifications:

DIN 51506:2017-08 VDL

ISO-L-DAB / DVC (according to ISO/DIS 6743-3)

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ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Color	-	-	Bright yellow
Kinematic viscosity at 40°C	mm ² /s.	ASTM D445	100
Kinematic viscosity at 100°C	mm ² /s.	ASTM D7279	9
Viscosity index	-	ASTM D2270	48
Density at 15 °C	kg/l	ASTM D1298	0,957
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,09
Flash point (COC)	°C	ASTM D 92	>250
Pour point	°C	ASTM D97	-31
Steel corrosion	-	ASTM D665	Pass
Demulsibility at 82°C ml oil/water/emulsion	min	ASTM D1401	6

The average values are given for information only.