- Certificate / Product Information -

RAVENOL Kältemaschinenöl POE 46

RAVENOL Kältemaschinenöl POE 46 is a refrigeration compressor oil based on polyol esters of the highest quality. **RAVENOL Kältemaschinenöl POE 46** is used for the filling of air-conditioning systems and industrial refrigeration plants when R134A refrigerant is used.

RAVENOL Kältemaschinenöl POE 46 meets the requirements of compressor manufacturers.

RAVENOL Kältemaschinenöl POE 46 has good chemical and thermal stability as well as good miscibility with the coolant. The product has an extremely good wear resistance, ensuring a long life of the machine.
RAVENOL Kältemaschinenöl POE 46 has no hazardous properties according to OSHA 29 CFR 1910.1200.

RAVENOL Kältemaschinenöl POE 46 offers improved properties compared to conventional mineral oils in all aspects, including viscosity index, flame point and pour point.

Application Notes

RAVENOL Kältemaschinenöl POE 46 is recommended for all types of refrigeration compressors when a refrigeration oil based on polyol ester is required.

RAVENOL Kältemaschinenöl POE 46 is suitable for use in all types of compressors in industrial air conditioning and refrigeration systems as well as in rotary compressors in smaller air-conditioning systems.

Quality Classifications

RAVENOL Kältemaschinenöl POE 46 is tried and tested for aggregates specifying:

Practice and tested in aggregates with filling

HFC, HCFC, HFO Kühlung

Characteristic

RAVENOL Kältemaschinenöl POE 46 offers:

- Excellent chemical and thermal stability.
- Good miscibility with the refrigerant.
- Excellent wear protection.
- Excellent solubility in a wide temperature range in refrigerant R134A.
- Improved properties compared to conventional mineral refrigeration oils.
- Avoids oil separation and / or solidification on the valve and evaporator surfaces of the refrigeration compressors.
- A very low Pourpoint and Cloudpoint.
- No reaction with refrigerants, so oil-related disturbances are avoided.
- Long life.
- No formation of paraffin precipitates at low temperatures.
- A good cold flow capability, which ensures oil return and optimal efficiency of the system even at low temperatures.

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m³	933	EN ISO 12185
Viscosity at 100°C	mm²/s	6,9	DIN 51562
Viscosity at 40°C	mm²/s	49,5	DIN 51562
Viscosity index VI		93	DIN ISO 2909
Pourpoint	°C	-45	DIN ISO 3016
Flash point (COC)	°C	235	DIN ISO 2592
electrical strength	kv	43,6	ASTM D877
Water content	Gew.-%	<50	ASTM D1533

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

16.06.2018

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