

Alfaref R

32/46/68/100/220

Product Description

ALFAREF R series are high quality synthetic refrigeration oils, on polyol-ester basis, that provide special low pour point and chemical stability in very low temperatures. ALFAREF R oils have the ability to maintain their excellent rheological characteristics, in very low temperatures, even at -40°C and are specifically formulated for use in refrigeration compressors using HFC or HCFC refrigerants. In comparison with conventional lubricants, they provide longer changeover intervals. Furthermore they have excellent solubility in new technology refrigerants.

ALFAREF R lubricants are available at 5 viscosity grades:32, 46, 68, 100 and 220.

Performance Features

- Excellent rheological performance at very low temperatures
- Suitable for cooling circuits that require R-134a
- Very low volatility
- Excellent lubricity
- Compatible with cooling liquids, including older technology refrigerants, R-12, R-22
- Not miscible with mineral

Application

ALFAREF R are suitable for refrigerating compressors that operate with Freon R-134a refrigerants, and in general for new environmental- friendly HFC or HCFC refrigerants. Their solubility is excellent, even with older technology refrigerants, such as R-12, R-22 and with older cooling systems.

ALFAREF R series can be used in cooling systems, without oil-separators, that have rotary and screw compressors, in air conditioning- systems, and in central industrial cooling units.

Typical Properties:

ISO grade	32	46	68	100	220	Method
Specific gravity at 20°C, Kg/l	0.977	0.977	0.977	0.969	0.975	ASTM D-1298
Viscosity, Kinematic at 40°C, cSt	32	46	68	100	220	ASTM D-445
Viscosity Index	121	116	120	103	98	ASTM D-2270
Pour Point, °C	-46	-46	-39	-28	-25	ASTM D-97
Flash Point COC, °C	258	260	270	260	280	ASTM D-92

Note:

The above information is indicative based on current production and does not constitute a specification. Results can be affected by allowable production tolerances, not affecting performance.