



## MAKER ICE OIL S

### Description

Synthetic POE base oil for compressors, for use in very low temperature applications, such as refrigeration, air conditioning and industrial refrigeration, wherever compressors use mainly HFC type cooling gases, which are environmentally friendly and are replacing the old HCFC's.

Its special formulation enhances its excellent lubricating performance, thermal stability and anti-corrosion protection.

They are used, in order of increasing viscosity, for saturated steam, re-heated steam and steam with a high degree of re-heating. Valid for general greasing, low loaded gears and other mechanical elements where high temperature conditions may occur.

They can be used as heat transfer fluids in the case of open-air thermal circuits.

### Properties

- Completely mixable with HFC gases, such as R134a.
- Low pour point.
- High viscosity index.
- High chemical and thermal stability.
- Wax free.
- Low flocculation point.

### Quality levels, approvals and recommendations

- |                                      |  |
|--------------------------------------|--|
| • BITZER (ISO 32, ISO 68)            | • BLISSFIELD : BLISSFIELD (de pistón) (ISO 68) |
| • DANFOSS COMMERCIAL (ISO 32)        | • DIN: 51503 KD (ISO 32, ISO 68)               |
| • DORIN (ISO 32, ISO 68)             | • FRASCOLD (ISO 32, ISO 68)                    |
| • ISO: 6743 -3B DRD (ISO 32, ISO 68) |  |



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## Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			32	68
Viscosity at 100 °C	cSt	ASTM D445	5.8	9.4
Viscosity at 40 °C	cSt	ASTM D445	32	66
Viscosity index	-	ASTM D2270	120	120
Density at 20 °C	g/cm3	ASTM D1298	0.977	0.977
Pour point	°C	ASTM D97	-46	-39
Flash point, open cup	°C	ASTM D92	258	270
TAN	mg KOH/g	ASTM D974	<0.05	<0.05
Water content	ppm	ASTM E1064	<50	<50
Miscibility at low temperatures(10% lubricant in R-134a)	°C	Internal	-43	-26

The above mentioned characteristics are typical values and should not be considered product specifications.