

## 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

- DIN 51503 KD
- ISO 6743-3B-DRD

## Technical specifications

	UNIT	METHOD	VALUE	
ISO Grade			32	68
Viscosity at 100 °C	cSt	ASTM D 445	5.8	9.4
Viscosity at 40 °C	cSt	ASTM D 445	32	66
Viscosity index		ASTM D 2270	120	120
Density at 20 °C	g/cm <sup>3</sup>	ASTM D 1298	0.977	0.977
Pour point	°C	ASTM D 97	-46	-39
Flash point	°C	ASTM D 92	258	270
TAN	mg KOH/g	ASTM D 974	< 0.05	< 0.05
Water content	ppm	ASTM E 1064	< 50	< 50
Miscibility at low temperatures (10% lubricant in R-134)	°C	Internal	-43	-26

A safety data sheet is available on request.

repsol.com  
+34 901 111 999

Technical data sheet for Lubricants. Revision 4. July 2014.