

The availability and quality of a lubricant are essential. Climalife **provides you with solutions** and services to take you through your maintenance operations.



#### Analysis

- **Acitest unipro:** in a single bottle to instantly check the acidity of the in-service oil on site (regardless of its type MN/AB/POE, etc.)

- Analysis DPH: Periodical diagnosis of the oil performed in the laboratory, for larger installations or those with a maintenance contract.



#### Recovery packaging

Committed to respecting the environment, Climalife helps you optimize your waste by recovering used lubricants for destruction (30, 60 and 217 litre empty barrels).



# HQ-POE

by Climalife

Lubricants for refrigeration compressors

3110 259 205 RCS Paris - Conception: Eliao - Pictures credits: Fotolia, Shutterstock, iStockphoto, Remy Delacloche, GEA Bock GmbH, dehon.

**climalife**<sup>®</sup>

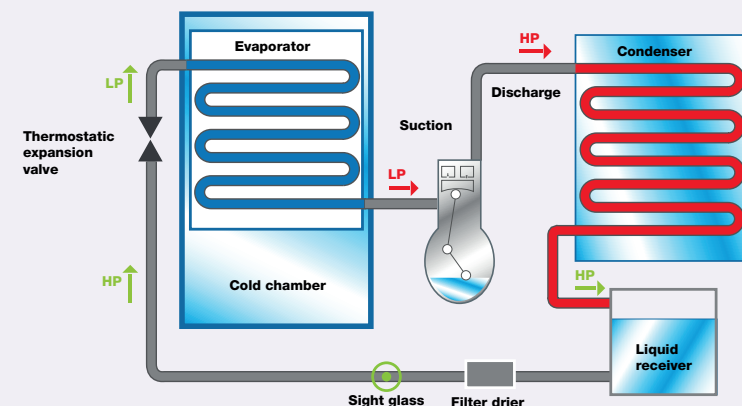
IDS Refrigeration Ltd  
Green Court, Kings Weston Lane,  
Avonmouth - UK-Bristol BS11 8AZ  
Tel.: 00 44 11 79 80 25 20 - Fax : 00 44 11 79 80 25 21  
climalife.uk@climalife.dehon.com  
[www.climalife.dehon.com](http://www.climalife.dehon.com)

**climalife**<sup>®</sup>

## Lubricants designed for refrigeration and AC systems

Building on our experience of cooling fluids since 1874, Climalife at the same time, has also acquired expertise of **lubricants for refrigeration compressors**.

Convinced by the importance of lubricant in a circuit, Climalife has developed its own brand of high quality **HQ POE** lubricants to meet your daily needs.

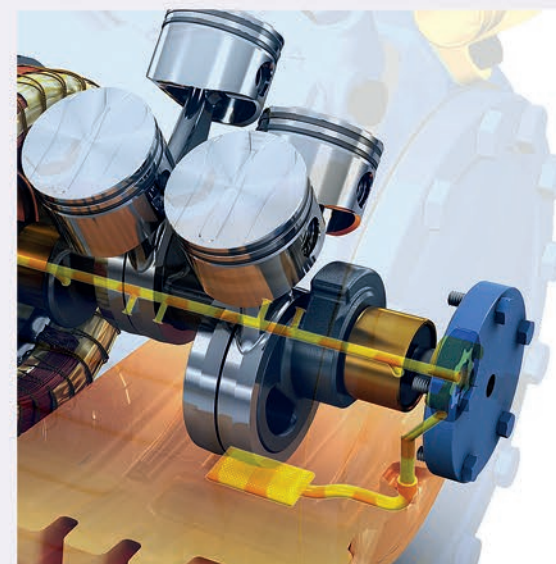


The choice of the oil/refrigerant combination is crucial for the correct operation of an installation.

Proper operation and optimum performance are ensured by choosing fluids and oils that are compatible with the compressor, types of evaporators (direct or flooded expansion system) and the desired operating conditions.

The refrigerating circuit is subject to pressure, temperature and expansion phenomena which require perfect compatibility between oil and refrigerant.

The three principle functions of the lubricant in a refrigerating circuit are: lubrication of the moving parts, leak tightness and fluid control including cooling in the case of screw compressors.



© GEA Bock GmbH

Though the lubricant is essential for the compressor to reduce friction, wear and improve the seal during compression, conversely, oil in the refrigerating circuit must be kept to a minimum to prevent heat transfer loss.

## HQ POE range by Climalife

The HQ POE lubricant range are synthetic and polyolester based lubricants designed for refrigerant compressors that work with HFC and HFO refrigerants used in refrigeration and air conditioning.

The properties of **HQ POE** provide excellent protection of the working parts against deterioration, and make them suitable across a broad range of operating temperatures.

Analysis	Method ASTM	POE 22	POE 32	POE 68
		Typical Value	Typical Value	Typical Value
Viscosity @ 40°C (cSt)	ASTM D445	18.9	32.5	66.6
Viscosity @ 100°C (cSt)	ASTM D445	4.2	5.8	9.4
Viscosity @ index	ASTM D2270	120	121	120
Pour point (°C)	ASTM D97	-52	-46	-39
Density @ 20° (g/ml)	ASTM D1298	0,995	0,977	0,977
Flash Point (°C)	ASTM D92	240	258	270
Acid Value (mg KOH/g)	ASTM D974	<0.05	<0.05	<0.05

! To select the iso grade compatible with your system you should refer to the compressor manufacturer recommendations.



*The information contained in this product sheet is given for information only. It is provided in good faith but should not, under any circumstance, be taken to constitute a guarantee on our part or an assumption of our responsibility. This is particularly the case when third party rights are at stake or in situations where a user of one of our products fails to observe applicable regulations. Non contractual picture.*