

MARINE AND INDUSTRIAL LUBRICANTS

CEPSA NORTHER AB

DESCRIPTION

High-quality synthetic lubricant oil for refrigeration compressors that use HFC- and HCFC-based refrigerants. Alkylbenzene-based, it exhibits better miscibility with refrigerants such as R12, R22 and R502, especially when these refrigerant fluids have miscibility problems with mineral oils.

PRODUCT APPLICATION

- Especially developed for all types of refrigeration compressors and also suitable for lubricating the piston in reciprocating compressors (discharge temperature >200 °C).

PRODUCT PERFORMANCE

- CEPSA NORTHER AB exhibits better solubility with refrigerants than mineral oils, thus allowing good oil backflow to the compressor and optimizing the efficiency of the refrigeration system. Very good anti-wear properties, reducing maintenance costs.
- It also possesses excellent chemical stability with the refrigerants, thereby increasing its in-service life.
- Its very low pour and flocculation points help to prevent unwanted precipitation of waxes that block the expansion valves and heat-transfer surfaces.
- It is compatible with most commonly used seal materials.
- It has low foaming tendency and high lubricating power.
- Miscible with mineral oils.

SPECIFICATIONS

- ISO 6743/3 DRE
- Complies with the requirements of the following OEMs: BOCK, REFCOMP, APV, SABROE, YORK, BITZER .

TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	METHOD	CEPSA NORTHER AB	
			68	100
ISO GRADE				
Density at 15°C	Kg/l	ASTM D-4052	0.872	0.872
Flash Point V/A	°C	ASTM D-92	200	204
Pour Point	°C	ASTM D-5950	-33	-33
Viscosity at 40°C	cSt	ASTM D-445	50	104
Viscosity at 100°C	cSt	ASTM D-445	5.9	8.1
Miscibility 10% oil in R22	°C	Sealed tube	-60	-47

HEALTH & SAFETY AND ENVIRONMENT

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product in accordance with the applicable legislation.