



Coolmax SAB 68

Synthetic ammonia refrigeration compressor fluid

Description

Coolmax SAB 68 is a synthetic, developed to lubricate ammonia refrigeration compressors, both alternative and rotary. It is an oil with very low evaporation tendency.

Coolmax SAB 68 is formulated with synthetic and alkyl benzene bases of great chemical stability, which allows improving the behavior of cooling oils based on both naphthenic and paraffinic mineral oil. The result is a fluid with a longer lifespan and a significant reduction in operating costs.

Applications

For the lubrication of ammonia refrigeration systems, cold stores, food processing plants, freezer vessels, etc. It is also recommended in plants where very precise control is required at low temperature, such as the pharmaceutical and microelectronics sector. It can be used in those ammonia refrigeration systems where evaporator temperatures are higher than -50°C.

Coolmax SAB 68 is compatible with all mineral oils (hydrotreated, paraffinic and

naphthenic) so it can be used to refill systems that work with this type of oils. However, a complete oil change is necessary to obtain all the advantages offered by Coolmax SAB 68

It is also compatible with seals and elastomers commonly used in this type of compressors including NBR, Neoprene and Buna-N.

Advantages

Compatibility with ammonia

- High chemical stability
- Prevents the formation of residues and lacquers
- Lower drag at low temperatures
- High Viscosity Index
- Low wear
- Improves the performance of the compressor
- High flash point
- Compatibility with seals and gaskets
- Low volatility
- High oxidation resistance
- Oil changes prolonged

Typical performance data

	Test method	PAO 68
Density @ 15 °C, gr/l		0,850
Viscosity @ 40 °C	ASTM D445	68
Viscosity @ 100 °C	ASTM D445	10-11
Viscosity Index	ASTM D2270	>130
Pour point, °C	ASTM D97	-52
Flash point, °C	ASTM D92	205
Demulsibility, 55 °C, 30 min		40/40/0
Copper corrosion, 24 hr		1a

All performance data on this Technical Data Sheet are indicative only and can vary during production

Matrix Specialty Lubricants BV - info@lubes-portal.com - www.lubes-portal.com