

KALTÖN REFRIGERATION OIL

Product Description

KALTÖN Refrigeration Oil is a high-performance lubricant specifically designed for refrigeration and air conditioning compressors operating under extreme conditions. It offers excellent chemical stability, superior lubricity, and outstanding thermal performance, ensuring reliable operation and extended equipment life.

This oil is formulated with refined base oils and advanced additive technology to provide exceptional wear protection, minimize carbon and sludge formation, and resist moisture contamination.

Product Features & Benefits

- **Superior Lubrication:** Ensures smooth operation and reduces friction in compressor components.
- **Thermal & Oxidation Stability:** Prevents sludge and deposit formation for longer oil life.
- **Excellent Chemical Resistance:** Compatible with most refrigerants, including ammonia (NH₃), CFCs, HCFCs, and HFCs.
- **Low Pour Point:** Enables smooth performance in low-temperature environments.
- **Anti-Foaming & Anti-Wear Properties:** Enhances compressor efficiency and protects against metal wear.
- **Minimal Oil Carryover:** Reduces deposits and improves heat transfer.

Typical Properties

Property	ISO 46	ISO 68	Method
Density @ 15°C (kg/L)	0.875	0.880	ASTMD4052
Kinematic Viscosity @ 40°C (mm ² /s)	46	68	ASTMD445
Kinematic Viscosity @ 100°C (mm ² /s)	6.5	8.5	ASTMD445
Viscosity Index (VI)	105	98	ASTMD2270
Flash Point (°C)	220	230	ASTMD92
Pour Point (°C)	-39	-36	ASTMD97
Acid Number (mg KOH/g)	≤ 0.05	≤ 0.05	ASTMD974
Water Content (ppm)	≤ 50	≤ 50	ASTMD6304

Application

KALTÖN Refrigeration Oil ISO 46 & 68 are recommended for use in:

- Reciprocating, rotary, and screw-type refrigeration compressors.
- Industrial and commercial refrigeration systems.
- Air conditioning systems using ammonia (NH₃), CFCs, HCFCs, and some HFC refrigerants.
- Low-temperature applications requiring high fluidity and lubrication.

Note: Always verify compatibility with the specific refrigerant and manufacturer recommendations before use.

Health & Safety

KALTÖN Refrigeration Oil is formulated to meet safety and environmental standards. Avoid prolonged skin contact and inhalation of mist or vapors. For detailed health and safety information, refer to the Material Safety Data Sheet (MSDS).

