Refrigeration oil (L-DRC/A)

Performance Overview

Maxtop Refrigeration Oil (L-DRC/A) is a high-performance industrial cooling lubricant designed for refrigeration equipment, especially in refrigeration compressors using ammonia as a refrigerant. It ensures the effective operation and long-term reliability of the equipment. It is made of deeply refined mineral oil and added with antioxidants and anti-wear agents.

Features

01

Oxidation Stability: This product has excellent oxidation stability, which means that the oil will not break down easily in high temperature and oxidizing environments, thereby reducing the formation of harmful deposits and extending the service life of the oil.

02

Low temperature performance: Refrigeration oil (L-DRC/A) can still maintain good fluidity under low temperature conditions, which is crucial for the startup and operation of refrigeration equipment in low temperature environments.

03

Anti-corrosion: The oil can form a protective layer to prevent the metal surface from contacting with moisture or other corrosive substances, thereby protecting the internal metal parts of the compressor from corrosion.

04

Lubrication performance: Provide effective lubrication, reduce wear and protect the moving parts inside the compressor.

Application Scenario

(1)Refrigeration compressor: Mainly used for ordinary refrigeration compressors using ammonia (NH3) as refrigerant. These compressors are usually used in large industrial refrigeration systems, food processing industry, chemical production, etc.
(2)Open type, semi-closed type refrigeration compressors and other freezing and refrigeration equipment.

No. 138, Guanshan Road, Shuangliu District, Chengdu, China (Sichuan) Pilot Free Trade Zone
TEL：+8613541155698 EMAIL：maxtop@maxtop-oil.com
TEL：+864008330667 Website：www.maxtop-oil.com

Refrigeration oil (L-DRC/A) performance indicators

Project	Quality indicators			
ISP viscosity grade	22	32	46	68
Kinematic viscosity, mm 2 /s 40℃	19.8~24.2	28.8~35.2	41.4~50.6	61.2~74.8
Color, size not greater than		1.0	1.5	2.0
Flash point (open), ℃ not less than	155	160	170	175
Pour point, ℃ not higher than	-35	-30		-25
Flocculation point, ℃ not higher than	-42	-40		-35
Acid value, mg (KOH) / g not more than	0.03			
Rust test (copper sheet, 100℃, 3h), level not more than	1			
Compatibility with refrigerantsTwo-layer separation temperature (oil/Freon 22 ratio is 20/80),No higher than	+10	+15	+30	+40
Breakdown voltage, KV not less than	25			
Trace amount of water, mg/kg not more than	50			
Mechanical impurities, % (mass fraction)	none