

LIKSIR NEMIZA ARCTIC AB

HIGH-PERFORMANCE SYNTHETIC OIL BASED ON ALKYL BENZOLS FOR REFRIGERATING COMPRESSORS



DESCRIPTION

LIKSIR NEMIZA ARCTIC AB is a series of premium-quality synthetic refrigeration oils based on alkylbenzenes, specifically designed for low-temperature applications. These oils exhibit excellent miscibility with hydrochlorofluorocarbons (HCFCs) and other fluorocarbon refrigerants.

Their high chemical and thermal stability ensures exceptional system cleanliness. LIKSIR NEMIZA ARCTIC AB oils are recommended for all types of refrigeration compressors, including reciprocating (piston) and rotary compressors (such as modern screw compressors). They are free from sulfur and straight-chain paraffins and are suitable for use in systems where ammonia is employed as the refrigerant.

The formulation helps eliminate common issues related to oil separation and freezing on valve surfaces and heat exchangers in refrigeration systems. Additionally, it prevents the formation of harmful paraffin deposits, which can clog thermostatic expansion valves and heat exchange surfaces.

ADVANTAGES

- miscibility with halogenated refrigerants
- low pour point and floc formation temperature
- chemical stability
- improved system efficiency
- prevents paraffin deposition and enhances system operating efficiency
- extended service life
- high dielectric strength
- exceptional foam resistance stability

APPLICATION

- for refrigeration compressors
- for systems with open-type, semi-hermetic, and hermetic compressors
- for systems with higher condensing and evaporating temperatures
- for cylinders of reciprocating air compressors operating under severe conditions
- for screw and rotary compressors
- for cylinders, bearings, and seals of all types of refrigeration compressors

TECHNICAL SPECIFICATIONS

Characteristics	Unit	Method	LIKSI R NEMIZA ARCTIC AB				
			32	46	68	100	220
Kinematic viscosity at 40 °C	mm ² /s	GOST 33	32	46	68	100	220
Kinematic viscosity at 100 °C	mm ² /s	GOST 33	4,6	5,1	6,2	8,1	13,6
Viscosity index	-	-	17	32	30	6	25
Density at 15 °C	g/cm ³	GOST 3900	0,882	0,872	0,871	0,870	0,870
Flash point	°C	GOST 4333	172	175	188	206	210
Pour point	°C	GOST 20287	- 39	- 37	- 36	- 30	- 27
Mobility in a U-shaped tube	°C	DIN 51 568	- 32	- 30	- 24	- 21	- 18
Aniline point	°C	DIN 51 775	65	65	70	75	-
Saponification number	KOH/g	DIN 51 559-2	1,1	1,1	0,03	1,1	-
The number of non-rationalization	KOH/g	DIN 51 558-3	0,03	0,03	0,03	0,03	0,03
Oxide ash content	% of mass	DIN ISO 6245	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01
Stability in the presence of refrigerant (Freon, Halon) R12, 22	h	DIN 51 593	> 96	> 96	> 96	> 96	> 96

APPLICATION NOTE

Before using LIKSIR oil, carefully review the equipment manufacturer's instructions. Although LIKSIR oil may be compatible with certain oils from other manufacturers, to prevent degradation of specified performance and ensure maximum efficiency, it is strongly recommended to fully drain the used fluid prior to application.

STORAGE

Store in a dry, cool place away from direct sunlight in a tightly sealed container.

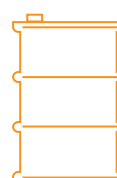
STORAGE LIFE

5 years from the date of production in sealed containers.

SPECIFICATIONS

- ISO 67430-3: DRA
- DIN 51 503, KAA, KC

PACKAGING



205л



20л

In a 205-liter Class A metal sealed barrel and a 20-liter plastic sealed container



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