

XA-30

Oil for refrigerating machines

DESCRIPTION

Oil XA-30 is a mineral oil for lubrication of refrigerating machine compressors. It is produced from a mixture of residual and distillate mineral oils.

XA-30 oil is used in piston refrigeration compressors for medium and low temperature commercial and industrial systems.

XA-30 oil is completely soluble with R12 refrigerant under operating conditions of refrigeration equipment, the resulting mixture is a homogeneous medium that completely returns to the compressor and provides its normal lubrication. The flocculation temperature in the R-12 freon solution for the XA-30 oil is -40°C .

XA-30 oil is also completely miscible with refrigerants RH, R21, R113, R500. With other refrigerants (R22, R13B1, RH4, R152a, R501, R502), the oil is only partially miscible, the miscibility in this case depends on the temperature and type of refrigerant. XA-30 oil can be used for compressors operating on ammonia (R717). In such cases, the technology provides for oil return points to the compressor.

It can also be used to a limited extent in refrigeration compressor systems operating on halocarbon propane and isobutylene refrigerants.

<u>ADVANTAGES:</u> <ul style="list-style-type: none">• High antioxidant stability• Resists sludge and sludge build-up in recirculation and filtration systems• Does not adversely affect sealing materials	<u>COMPOSITION:</u> <ul style="list-style-type: none">• A mixture of residual and distillate mineral oils
<u>APPLICATION IN UNITS:</u> <ul style="list-style-type: none">• Reciprocating refrigeration compressors	<u>APPLICATION EXAMPLES:</u> <ul style="list-style-type: none">• Reciprocating refrigeration compressors for medium and low temperature commercial and industrial systems

XA-30. Edition 12/21, replaces all previously published edition

This product is manufactured according to GOST 5546-86

XA-30 TYPICAL PROPERTIES

Standard	Property	Unit	Value
GOST 33	Kinematic viscosity		
	@ 20 °C	cSt	120–150
	@ 50 °C	cSt	28–32
GOST 5985	Acid number, max	mg KOH/g	0.05
GOST 981	Oxidation stability:		
	a) sediment after oxidation, max	%	0.02
	b) acid number, max	mg KOH/g	0.5
GOST 1461	Ash content, max	%	0.004
GOST 6307	Content of water-soluble acids and alkalis		Absence
GOST 6370	Content of mechanical impurities		Absence
GOST 2477	Water content		Absence
GOST 1057	Phenol content		Absence
GOST 20284	Colour on colorimeter CNT, max	CNT units	4.5
GOST 4333	Flash point in an open cup, min	°C	185
GOST 20287	Pour point, max	°C	–38
GOST 2917	Corrosion test for:		
	copper plates grade M2 in accordance with GOST 859 steel plates grades 40 or 50 in accordance with GOST 1050		Pass Pass

HOW TO USE

It is used in accordance with the manufacturer's using manual.

USABLE LIFE AND STORAGE

The guaranteed shelf life is 60 months from the date of manufacture in the manufacturer's container, subject to the conditions of transportation and storage.

HANDLING PRECAUTIONS

This product doesn't contain any toxic ingredients. During storage, transportation, and application of this product, the safety rules for handling mineral lubricating materials and the environment protection regulations must be observed.

For further information on how to use LUKOIL® products, please refer to the product MSDS.

TECHNICAL SUPPORT

For correct selection of the proper lubricating materials to meet your needs, and to get more detailed information on the products, as well as if you have any other questions, we recommend you to contact our technical support service specialists by e-mail: grease.support@lukoil.com

KS-19. Edition 12/21, replaces all previously published edition

Product technical properties are typical and can vary in strong limits.

Due to research and development of science and technology technical properties of product indicated in this Technical Data Sheet can be changed without notification.