Gazpromneft Refrigerator N 68



Screw and piston compressors for refrigeration equipment



Oil stability



For temperatures in the evaporator up to -35°C



Increased wear protection

Gazpromneft Refrigerator N 68 – oil for screw and piston compressors of industrial ammonia refrigeration equipment with the base components produced by synthetic technologies and reinforced with additives.

Characteristics/Advantages/Potential Benefits

- High chemical, oxidative and thermal stability → reduction of lacquer deposits on parts → possibility of extending the oil change interval compared to mineral (naphthenic or paraffinic) oils
- High protection performance → reduced wear of bearings
- Low volatility → viscosity retention and reduced oil carryover

Application

- Recommended for equipment where ammonia is used as a refrigerant (R717 - NH_3)
- For modern industrial refrigeration equipment with screw and piston compressors
- For systems with evaporator temperatures up to -35 °C and compressors with high operating temperatures
- The oil is compatible with mineral oils, but performance may be reduced when mixed with the latter
- Recommended for the first filling of compressors of new equipment, for oil change in compressors previously running on mineral oils, after replacing elastic seals in them with new ones

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The above data are typical for the products currently available. Due to ongoing research and development, the information contained in the document is subject to change. Information on the safe use of the product is contained in the Safety Data Sheet. More detailed information can be obtained from the company's technical specialists. E-mail: Techservice@gazprom-neft.ru.
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Standard physico-chemical characteristics

Indicators	Method	ISO 68 viscosity grade
Kinematic viscosity at 40 °C, mm^2/s	GOST 33	68,6
Kinematic viscosity at 100 °C, mm^2/s	GOST 33	10
Viscosity index	GOST 25371	130
Pour point, °C	GOST 20287	-42
Four ball EP test - Wear scar diameter: Wear diameter (196H, 60min), mm	GOST 9490	0,34
Copper plate corrosion, point	GOST2917	1 в

The company's management system is certified in accordance with the international standards

ISO 9001 ISO 14001 ISO 45001

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