

Gazpromneft Compressor Oil - 46, 68, 100, 150, 220, 320



Positive displacement
and dynamic
compressors



Improved thermal
stability



Anti-wear properties



Corrosion protection



High-quality mineral
base oils

Gazpromneft Compressor Oil is a series of ashless compressor oils developed for lubrication of various types of compressors (positive displacement and dynamic), where the level of performance DIN 51506 VCL is required. High-quality base components provide high thermal stability, minimizing the formation of varnish deposits. Oils effectively protect working surfaces of compressors from wear, rust and corrosion.

Characteristics/Advantages/Potential Benefits

- Improved thermal stability → reduced tendency to form deposits leading to coking of piston grooves, rings, and pistons → maximum service life of compressors
- High autoignition temperature → reduced risk of fire → safety at work
- Excellent wear protection → oil load-bearing capacity minimizes wear of piston rings, bearings, and shafts → reduction of unscheduled downtime
- Possibility of extending the replacement interval in comparison with KS-19p (A) (GOST) → the oil contains a modern metal passivator (forms a protective layer that reduces the catalytic effect of metal), which protects the lubricant from premature aging → reduced costs for consumables
- Increased protection against corrosion and rust → the presence of a modern corrosion inhibitor (unlike GOST-level oils) allows for active protection of metal surfaces from oil oxidation products and water → reduced costs for additional spare parts

Application

- Air compressors used in various industrial applications requiring performance levels DIN 51506 VCL, VBL.
- Screw, vane compressors (ISO VG 46, 68); piston compressors (ISO VG 100, 150, 220, 320).
- Turbochargers (ISO VG 46).
- Stationary compressors with a final discharge temperature of up to 180 °C, portable – up to 220 °C according to DIN 51506 VCL.

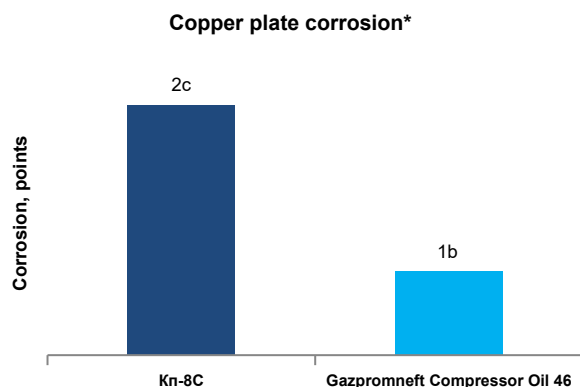
Specifications	ISO viscosity grade					
	46	68	100	150	220	320
ROTORCOMP VERDICHTER GmbH	✓✓	✓✓				
UCP JSC (Ural Compressor Plant, Ekaterinburg)					✓✓	
Sumy NPO PJSC					✓	
DIN 51506 VCL	✓	✓	✓	✓	✓	✓
Ariel				✓	✓	✓
Compressor Plant Borets JSC					✓	✓

*✓✓ - approval, ✓ - performance level

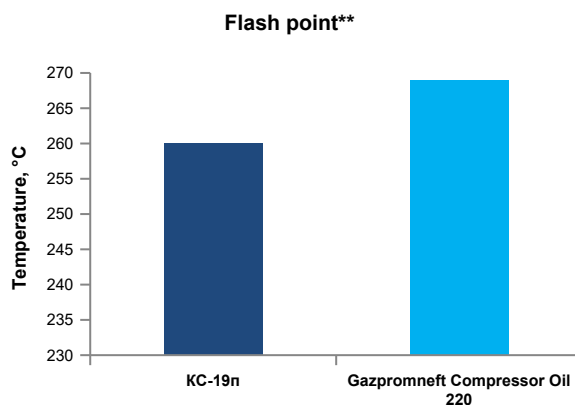
Typical physical and chemical properties

Parameters	Method	ISO viscosity grade					
		46	68	100	150	220	320
Kinematic viscosity: - at 40 °C, mm ² /s - at 100 °C, mm ² /s	GOST 33	46	68	100	150	220	320
		6.8	8.6	11.2	14.6	18.5	23.5
Viscosity index	GOST 25371	99	97	94	94	93	91
Autoignition temperature, °C	GOST 12.1.044	340	373	377	368	376	378
Open-cup flash point, °C	GOST 4333	248	258	257	259	270	271
Pour point, °C	GOST 20287	-32	-30	-30	-25	-21	-17
Acid number, mg KOH/g	GOST 11362	0.1	0.1	0.1	0.1	0.1	0.1
Density at 20 °C, kg/m ³	GOST R 57037	873	878	883	885	888	896

Gazpromneft Compressor Oils demonstrate high performance in tests in comparison with the rated values set by GOST level standards:



High anti-corrosion properties of Gazpromneft Compressor Oils ensure maximum service life of compressor equipment.



High flash point of Gazpromneft Compressor Oils improves the safety of piston compressors.

*Test GOST 2917; **Test ASTM D92

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

ISO 9001



ISO 14001



ISO 45001

