Gazpromneft Compressor S Synth - 46, 68, 100, 150


Positive/dynamic displacement compressors


High thermal stability


Oxidation stability


Anti-wear properties


Semisynthetic oils

Gazpromneft Compressor S Synth – series of ashless semisynthetic compressor oils, designed for lubrication of air compressors (positive/dynamic displacement) of modern production, where DIN 51506 VDL (not lower) oil performance level is required. Synthetic base components provide high oil stability against oxidation and deposits formation.

Characteristics/Advantages/Potential benefits

- Excellent oxidation stability → capability to extend oil drain interval comparing to mineral based oils → maintenance costs reduction
- Resistance to thermal decomposition → minimizing carbon formation at high temperature in the discharge lines of compressors → compressors service life retaining
- Fast water separation → no emulsion formation, that clog separator → high equipment performance
- Excellent corrosion protection → protective layers formation, reducing corrosion → less unexpected downtime
- Effective anti-wear protection → load-bearing capacity of oil ensures lubrication of friction pairs of compressor parts at the elevated discharge temperatures → reliable operation of units

Applications

- Modern air compressors, operating in energy, iron and steel, oil and gas, chemical, building and construction, engineering and other industries
- Rotary screw and rotary vane compressors (ISO VG 46, 68), reciprocating compressors (ISO VG 100, 150)
- Turbochargers (ISO VG 46)
- Stationary and mobile compressors operating at maximum discharge temperatures of up to 220°C (according to DIN 51506 VDL)

Specifications	ISO Viscosity Grade			
	46	68	100	150
ROTORCOMP VERDICHTER GmbH	✓✓	✓✓	✓✓	
OJSC «Krasnodar compressor plant Borets»			✓✓	
DIN 51506 VDL	✓	✓	✓	✓

*✓✓- Approval, ✓- Specification

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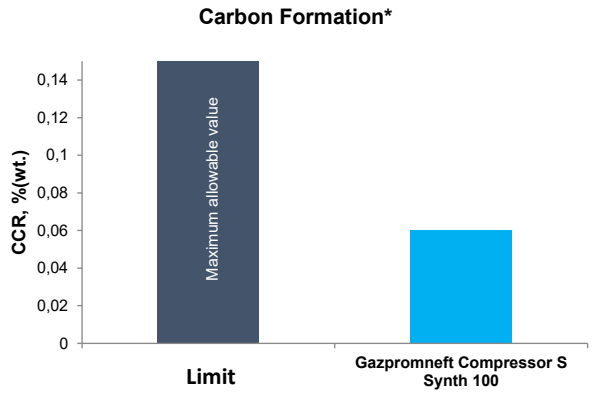
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The above data are currently regarded as standard for the manufactured products. Due to ongoing research and development, the information contained in the document is subject to change. Information about the safe use of the product is given in the Safety Data Sheet. More detailed information can be obtained from the company's technical specialists. E-mail: Techservice@gazprom-neft.ru. 01/2026

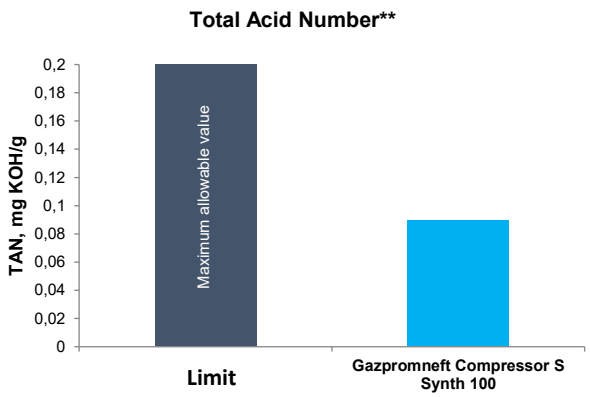
Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade			
		46	68	100	150
Kinematic Viscosity @40°C, mm²/s	ASTM D 445	47	69	101	144
Kinematic Viscosity @100°C, mm²/s	GOST 33	7,1	9,1	11,9	14,9
Viscosity Index	GOST 25371	108	107	107	104
Flash Point (COC), °C	GOST 4333	244	253	265	250
Pour Point, °C	GOST 20287	-37	-38	-36	-32
Total Acid Number, mg KOH/g	GOST 11362	0,1	0,1	0,1	0,1
Density @20°C, kg/m3	ASTM D 4052	865	868	870	875

Gazpromneft Compressor S Synth series oils demonstrate high performance in tests compared to standards norms:



Due to low carbon formation, Gazpromneft Compressor S Synth series oils do not form deposits, maintaining compressors service life.



Low Total Acid number of Gazpromneft Compressor S Synth series demonstrates high refining of base components and its high oxidation stability.

*GOST 19932 **GOST 11362

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

ISO 9001 ISO 14001 ISO 45001

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