Gazpromneft Compressor F Synth – 46, 68


Positive/dynamic displacement compressors


Excellent oxidation stability


High anti-wear properties



Demulsibility



Foaming stability


Synthetic oils

Gazpromneft Compressor F Synth – series of ashless synthetic compressor oils, designed for application in rotary screw and vane compressors (air), requiring high performance properties DIN 51506 VDL and ISO 6743 DAJ levels. Use of synthetic base oils provides high cleanliness of compressor equipment due to high thermal oil stability and resistance to deposits formation.

Characteristics/Advantages/Potential benefits

- Excellent stability against oxidation → possibility to extend drain interval in comparison with semi-synthetic-based compressor oils → lubricants cost reduction
- Resistance to deposits formation → minimization of varnish deposit formation on the working surfaces of rotary compressors → high performance of compressor equipment
- High demulsification properties → oil effectively separates water and doesn't form emulsions, that disrupt operation of filters and separators → reduction of unplanned downtime
- Foaming stability → oil doesn't form foam, when in contact with air, that disrupt lubrication of compressors working parts → reliable equipment operation
- High anti-wear protection → synthetic base components create a reliable lubricating layer to reduce wear → retaining of equipment service life
- Excellent rusting protection → electrochemical corrosion inhibitors protect equipment surfaces from rusting, when in contact with water → additional expenditures reduction

Applications

- Modern air compressors, are used in the energy, metallurgical, oil, chemical, construction, mechanical engineering and other industries.
- Dry/wet rotary screw and vane compressors (ISO VG 46, 68).
- Turbochargers (ISO VG 46).
- Stationary and mobile compressors operating at maximum discharge temperatures up to 220°C, according to DIN 51506 VDL.

Specifications	ISO Viscosity Grade	
	46	68
DIN 51506 VDL	✓	✓
ISO 6743 DAJ	✓	✓
ROTORCOMP VERDICHTER GmbH	✓✓	✓✓

*✓✓- approved, ✓- specification

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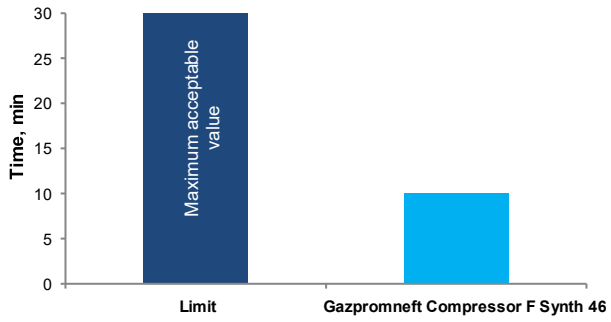
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Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade	
		46	68
Kinematic Viscosity @40°C, mm^2/s	ASTM D 445	46	68
Kinematic Viscosity @100°C, mm^2/s	ASTM D 445	7,8	10,1
Viscosity Index	ASTM D 2270	136	140
Flash Point (COC), °C	ASTM D 92	260	253
Pour Point, °C	GOST 20287	-43	-43
Density @20°C, kg/m^3	ASTM D 4052	859,2	859,4
Total Acid Number, mg KOH/g	GOST 11362	0,1	0,1

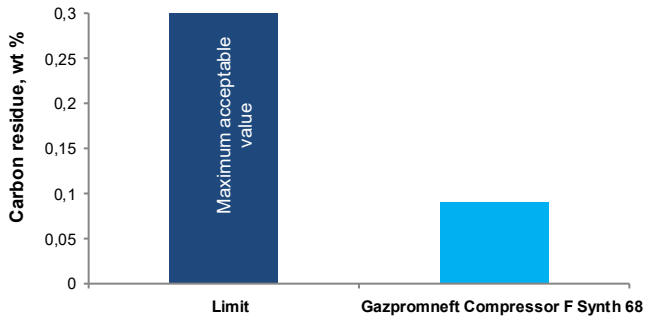
Gazpromneft Compressor F Synth series oils demonstrate high performance in tests compared to standard' s limits:

Demulsification*



Gazpromneft Compressor F Synth series oils quickly separate water, providing operation of compressors in conditions of increased flooding.

Low carbon formation**



Gazpromneft Compressor F Synth series oils have high resistance to the formation of solid deposits, retaining service life of compressor equipment.

*ASTM D 1401; **DIN 51551-1

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

ISO 9001 ISO 14001 ISO 45001

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