Gazpromneft Reductor F Synth – 150, 220, 320, 460

Gearboxes

High EP properties

High thermo-oxidation stability

High demulsification properties

Foaming formation stability

Synthetic oils

Gazpromneft Reductor F Synth – series of gear oils, developed for use in modern industrial gearboxes, working under severe operating conditions. Usage of synthetic components allows Gazpromneft Reductor F Synth to be used at both negative and high positive temperatures with extended drain interval (compared to mineral-based oils). Oils provide high cleanliness of gearbox working surfaces, excellent demulsification and antifoaming properties.

Characteristics/Advantages/Potential benefits

- Excellent viscosity-temperatures characteristics → maintaining of strong oil film at high temperatures and stable pumpability at low temperatures reduce wear of gear teeth → maximization of gearbox service life and possibility of usage in wide range of temperatures
- High stability against oxidation → maintaining of performance throughout entire drain interval → increase of drain interval and lubricants costs reduction
- Reduction of energy loses due to friction → use of synthetic base components allows to increase the efficiency of gearbox with more effective liquid friction
- High EP properties → reliable protection of gear teeth from wear, pitting and scuffing → minimization of additional service costs
- Foam formation stability → oil doesn't form foam and retains all its performance → ability to operate at high rotation speeds
- Compatibility with sealing materials → oil does not have negative effect on elastomers → spare parts consumption cost reduction

Applications

- Modern industrial gearboxes, used in mining, engineering, metallurgy, construction, energy, oil and other industries
- Gearboxes with spur, helical, bevel, herringbone, epicyclic gears
- Industrial gearboxes, equipped with circulation or splash lubrication systems

Specifications	ISO Viscosity Grade			
	150	220	320	460
AGMA 9005-E02	✓	✓	✓	✓
DIN 51517 Part 3 (CLP)	✓	✓	✓	✓
AIST 224	✓	✓	✓	✓
ISO 12925-1 (CKD)	✓	✓	✓	✓

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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.
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Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade			
		150	220	320	460
Kinematic Viscosity @40°C, mm^2/s	ASTM D 445	150	220	320	460
Kinematic Viscosity @100°C, mm^2/s	ASTM D 445	18,9	26,1	34,6	42,9
Viscosity Index	ASTM D 2270	143	151	153	145
Flash Point (COC), °C	ASTM D 92	255	260	265	265
Pour Point, °C	GOST 20287	-39	-37	-34	-30
Density @15°C, kg/m^3	ASTM D 4052	854	853	852	860
FZG Scuffing, A/8.3/90, Fail Stage	DIN ISO 14635-1	>12			

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

ISO 9001 ISO 14001 ISO 45001

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