Gazpromneft Reductor CLP – 68, 100, 150, 220, 320, 460, 680

 Gearboxes

High EP properties

 Thermo-oxidation stability

High demulsification properties

 High-quality mineral base oils

Gazpromneft Reductor CLP – series of gear oils, developed for use in modern gearboxes, equipped with circulation or splash lubrication systems. Suitable for use in gear drives of wide range of modern industrial equipment. Oils have high thermo-oxidation stability, minimizing deposits formation and high resistance to the formation of emulsion in the presence of water.

Characteristics/Advantages/Potential benefits

- High load carrying capacity → oil is capable to withstand increased loads and protect the gear tooth surface from scuffing → operation under increased loads
- Formation of protective anti-wear layers → continuous separation of rubbing surfaces reduces the likelihood of fatigue wear → maintaining of equipment resource
- Excellent stability to thermal degradation → no deposits are formed, that impair lubrication → high gearboxes performance
- Resistance to formation of emulsion with water → oil quickly separates water and maintains reliable oil film → ability to operate in condition of potential flooding
- Rust protection → minimization of corrosion in the presence of moisture → spare parts consumption cost reduction
- Compatibility with sealing materials → oil does not have negative effect on elastomers → additional maintenance 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
- For use in circulating lubrication systems of bearings

Specifications	ISO Viscosity Grade						
	68	100	150	220	320	460	680
DIN 51517 Part 3	✓	✓	✓	✓	✓	✓	✓
AGMA 9005-E02	✓	✓	✓	✓	✓	✓	✓
ISO 12925-1 (CKC), ISO 6743-6 (CKD/L -CKC)	✓	✓	✓	✓	✓	✓	✓
David Brown S1.53.101(E)	✓	✓	✓	✓	✓	✓	✓
Danieli			✓	✓	✓	✓	✓

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Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade						
		68	100	150	220	320	460	680
Kinematic Viscosity @40°C, mm^2/s	ASTM D445	68	100	150	220	320	460	680
Viscosity Index	ASTM D2270	96	95	94	93	93	93	90
Flash Point (COC), °C	ASTM D92	230	240	241	247	247	253	255
Pour Point, °C	GOST 20287	-32	-31	-25	-23	-19	-15	-14
4-Ball Load-wear Index, N	GOST 9490	488	466	504	478	475	473	545
4-Ball Wear Scar Diameter, mm	GOST 9490	0,42	0,31	0,35	0,32	0,29	0,47	0,43
Copper Strip Corrosion, 3 hrs @ 100ºC	ASTM D130	1в						
Density @20°C, g/cm^3	ASTM D4052	0,881	0,885	0,889	0,895	0,898	0,902	0,909

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

ISO 9001

ISO 14001

ISO 45001

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