

## Gazpromneft Reductor CLP

Industrial Gear Oils



Industrial gears



High EP properties



Excellent resistance to oil oxidation and thermal degradation



Excellent demulsibility



High quality mineral base oils

**Gazpromneft Reductor CLP** are high performance industrial gear oils with superior extreme pressure characteristics, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems. Gazpromneft Reductor CLP balanced formulation is able to provide maximum wear and corrosion protection while maintaining compatibility with common gearbox seal materials. These mineral oils are designed to provide high quality protection of industrial gears, meeting the latest industry standards and with high versatility to lubricate a broad range of industrial equipment. They may also be used in non-gear applications include highly loaded and slow speed plain and rolling contact bearings.

### Applications

- Industrial gearboxes of conveyers, agitators, dryers, extruders, fans, mixers, presses, pulpers, pumps (including oil well pumps), screens, extruders and other heavy duty applications
- Industrial gearboxes with spur, helical, bevel, herring-bone, epicyclic gears
- Non-gear applications include shaft couplings, screws and heavily loaded plain and rolling contact bearings operating at slow speeds

### Features, Advantages & Potential Benefits

- High load carrying capacity**  
Reduces gear tooth and bearing wear on both steel and bronze components to prolong the life of equipment
- Enhanced gear wear protection**  
Less gear and bearing wear resulting in less unexpected downtime
- Excellent resistance to oil oxidation and thermal degradation**  
Helps extend lubricant life with lower lubricant and lubrication costs and reduced scheduled downtime
- Resistance to foaming and emulsion formation**  
Effective lubrication and problem free operation in the presence of water contamination or in equipment prone to oil foaming
- Optimized resistance to rust and corrosion of steel, copper and soft metal alloys**  
Excellent protection of machine parts, with reduced maintenance and repair costs
- High resistance to sludge and deposit formation**  
Cleaner systems and reduced maintenance
- Good compatibility with seal materials**  
Reduced leakage, oil consumption and contamination entering helping to reduce maintenance, extend gearbox reliability and higher productivity

## Approvals & Specifications

Specifications	Gazpromneft Reductor CLP						
	68	100	150	220	320	460	680
<b>Meet the requirements :</b>							
DIN 51517 Part 3	✓	✓	✓	✓	✓	✓	✓
AGMA 9005-E02	✓	✓	✓	✓	✓	✓	✓
AIST 224	✓	✓	✓	✓	✓	✓	✓
David Brown S1.53.101(E)	✓	✓	✓	✓	✓	✓	✓
Danieli Specification 0.000.001			✓	✓	✓	✓	✓
<b>Builder approvals:</b>							
Fives Cincinnati			P-77	P-74			

## Typical Characteristics

Properties	Method	Gazpromneft Reductor CLP						
		68	100	150	220	320	460	680
ISO Viscosity Grade		68	100	150	220	320	460	680
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D 445	68	100	150	220	320	460	680
Viscosity Index	ASTM D 2270	94	92	92	92	92	90	90
Flash Point (COC), °C	ASTM D 92	238	240	242	252	254	276	292
Pour Point, °C	ASTM D 97	-20	-20	-19	-18	-17	-15	-15
Total Acid Number, mg KOH/g	ASTM D 664	0,7	0,7	0,7	0,7	0,7	0,7	0,7
4-Ball Load-wear Index, N	ASTM D 2873	454	464	470	480	509	530	550
4-Ball Wear Scar Diameter, mm	ASTM D 4172	0,25	0,26	0,27	0,27	0,28	0,28	0,29
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D 130	1B	1B	1B	1B	1B	1B	1B
Density @20°C, kg/m <sup>3</sup>	ASTM D 4052	883	888	892	898	900	902	909

## Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.