

## Gazpromneft Reductor ITD

Industrial Gear Oils



Industrial gears



EP properties



Antifoam properties



Demulsibility



High quality mineral base oils

**Gazpromneft Reductor ITD** oils are good quality industrial gear oils with extreme pressure characteristics and high versatility to broad range of industrial equipment. Gazpromneft Reductor ITD formulation is able to provide wear and corrosion protection, effective oxidation resistance and chemical stability. They provide effective lubrication and problem free operation even in the presence of water contamination.

### Applications

- Industrial gearboxes, where oils meeting DIN 51517 Part 3 are required
- 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

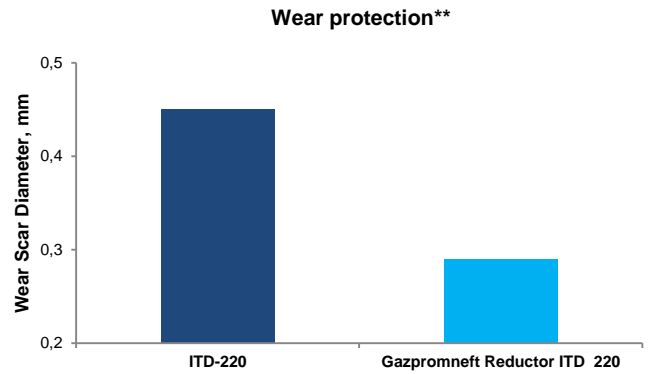
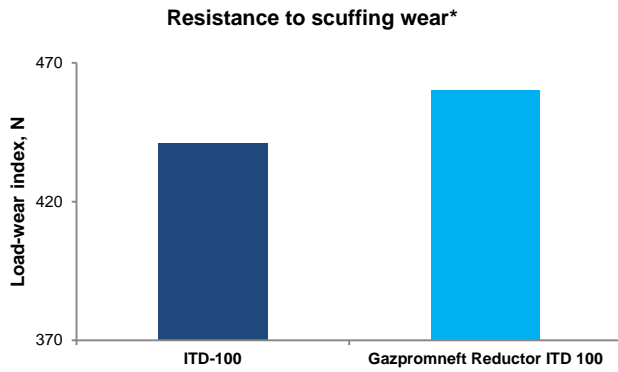
Features	Advantages and Potential Benefits
Resistance to scuffing wear	Helps extend gear and bearing life under extreme conditions of load, speed and temperature
Gear wear protection	Less gear and bearing wear resulting in less unexpected downtime
Excellent resistance to oil oxidation	Helps extend lubricant life with lower lubricant and lubrication costs
Resistance to emulsion formation	Effective lubrication and problem free operation in the presence of water contamination
Good compatibility with seal materials	Reduced leakage, oil consumption and contamination entering helping to reduce maintenance, extend gearbox reliability and higher productivity

### Meets the requirements:

- DIN 51517 Part 3

### Typical Characteristics

Properties	Method	Gazpromneft Reductor ITD						
		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 D445	68	100	150	220	320	460	680
Viscosity Index	ASTM D2270	92	92	92	90	90	90	88
Flash Point (COC), °C	ASTM D92	236	238	240	242	250	270	272
Pour Point, °C	ASTM D97	-20	-20	-19	-15	-15	-15	-15
Total Acid Number, mg KOH/g	ASTM D664	0,5	0,5	0,5	0,5	0,5	0,5	0,5
4-Ball Load-wear Index, N	ASTM D2873	450	458	464	470	486	505	522
4-Ball Wear Scar Diameter, mm	ASTM D4172	0,28	0,29	0,29	0,29	0,30	0,31	0,31
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D130	1B	1B	1B	1B	1B	1B	1B
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	884	887	890	895	899	901	906



\* ASTM D2783; \*\*ASTM D4172

### 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.