Gazpromneft Reductor ITD - 68, 100, 150, 220, 320, 460, 680


Gearboxes



Extreme pressure properties



Foaming stability



Demulsifying ability


High-quality mineral base oils

Gazpromneft Reductor ITD is a series of gear oils designed to replace lubricants of the GOST 17479.4-87 level (ITD, ISP, etc.). The oils are produced using a multifunctional additive package that provides performance characteristics exceeding the requirements for oils ITD (GOST 17479.4-87). The oils have extreme pressure properties, stability to foaming and demulsifying ability, ensuring high performance of gearboxes.

Characteristics/Advantages/Potential benefits

- Improved extreme pressure properties → ability to withstand increased loads → ability to work in severe operating conditions
- Wear protection → minimizing wear on the working surfaces of gear teeth and bearings → maintaining the service life of the equipment
- Antioxidation stability → maintenance of operational properties over the entire replacement interval → possibility of increasing the replacement interval (in comparison with GOST 17479.4-87 oils)
- Rapid water separation → oil does not form stable emulsions with water → preservation of oil properties under flooding conditions
- Compatibility with sealing materials → inertia with respect to sealing materials → reduction of lubricant leaks

Application

- They are applicable in industrial equipment where oils of the GOST 17479.4-87 (ITD, ISP, ISPi, IRp, ITP) level are required
- In industrial gearboxes for various purposes with spur, helical, cylindrical and bevel gears
- Utilization in industrial gearboxes, where the use of DIN 51517 Part 3 level oils is prescribed

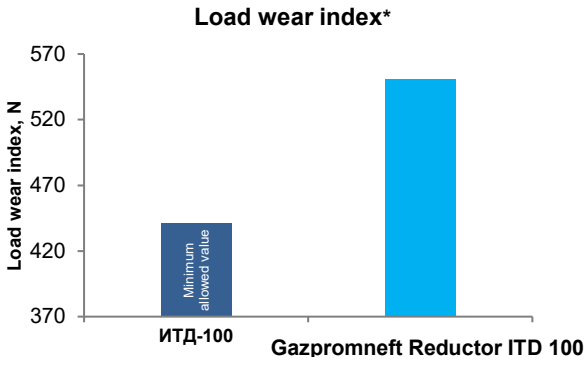
Specifications	ISO viscosity grade						
	68	100	150	220	320	460	680
DIN 51517 Part 3	✓	✓	✓	✓	✓	✓	✓

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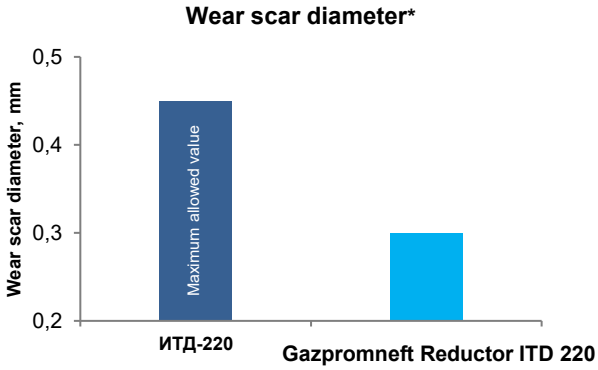
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Typical physical and chemical properties

Parameters	Method	ISO viscosity grade						
		68	100	150	220	320	460	680
Kinematic viscosity at 40°C, mm^2/s	ASTM D 445	68	100	150	220	320	460	680
Viscosity index	ASTM D 2270	93	97	93	92	92	90	90
Flash point in an open crucible, °C	ASTM D 92	228	244	240	245	250	248	280
Pour Point, °C	GOST 20287	-25	-25	-20	-20	-17	-16	-15
4-Ball Load wear Index, N	GOST 9490	445	551	468	480	496	515	522
4-Ball Wear scar diameter, mm	GOST 9490	0.43	0.45	0.29	0.30	0.30	0.31	0.27
Corrosion test on copper plates at 100°C for 3 h, points	ASTM D 130	1в						
Density at 20°C, g/cm^3	ASTM D 4052	0.881	0.886	0.890	0.895	0.899	0.902	0.906



The Gazpromneft Reductor ITD oil series has improved extreme pressure properties and protects gear teeth from destruction.



The Gazpromneft Reductor ITD oil series has improved anti-wear properties and protects gear teeth from destruction.

*GOST 9490 test

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

ISO 9001 ISO 14001 ISO 45001

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