

# GAZPROMNEFT REDUCTOR WS

All-season gear oils

## DESCRIPTION

Blended with high quality mineral base oils and multi-purpose additives **Gazpromneft Reductor WS** range of multigrade gear oils meets the highest requirements of industrial gear manufacturers. Performing improved low-temperature characteristics and excellent anti-welding, lubricating, demulsifying and anti-foaming properties, these oils reduce boundary friction, remove heat and wear debris in gears and bearings. The products deliver superior protection from rust, welding, wear and cracking of friction parts in gears and worm gear drives. They extend system life and guarantee trouble-free operation over a wide range of temperatures and loads. The oils also serve as sealing agents preventing ingress of dust and moisture. The use of **Gazpromneft Reductor WS** maximizes equipment service life.

## APPLICATIONS

**Gazpromneft Reductor WS** range is intended for all-season use in industrial gears operating under medium, high and EP loads. It is also used in circulating systems.

Operating temperature ranges:

Gazpromneft Reductor WS-100: from -30 to +100°C.

Gazpromneft Reductor WS-150: from -25 to +130°C.

Gazpromneft Reductor WS-220: from -20 to +150°C.

## BENEFITS

- **All-season application**  
Good low and high temperature characteristics enable the equipment to operate in a wide operating temperature range from – 30°C to +150°C, depending on the viscosity grade chosen.
- **Weld and wear protection**  
Anti-welding component used in the efficient additive system helps extend equipment life. Surface-active additives prevent metal to metal contact, under shock loads as well.
- **Thermal stability**  
Chemical stability is maintained throughout the service life of oil: it does not degrade at high temperatures keeping the system clean.
- **High demulsifying and anti-foaming properties**  
Rapid water separation and break of foam: the oils prevent oil compression increase and the reduction of cooling and lubricating abilities.

## SPECIFICATIONS

**Gazpromneft Reductor WS oils comply with:**

DIN 51517 Part 3

## TYPICAL PROPERTIES

<b>Gazpromneft Reductor WS</b>			
ISO Grade	<b>100</b>	<b>150</b>	<b>220</b>
Viscosity, cSt @ 40°C	100	150	220
VI	90	90	90
Flash Point COC, °C	210	210	210
Pour Point, °C	-35	-30	-25
Acid Number, mg KOH/g	1.0	1.0	1.0
Copper Corrosion, 3h/100°C	1B	1B	1B
Color	≤3.5	≤4.0	≤4.5

## PRECAUTION

Proper industrial and personal hygiene, as well as proper application of Gazpromneft Reductor WS will not produce adverse effects on health. The lubricants refer to Hazard Class 4, and to Hazard Class 3 as oil mist (GOST 12.1.007). Avoid contact with skin. Use protective gloves. In case of contact, flush immediately with water and soap.

Use the product according to its intended purpose. Gear oils are flammable liquids with flash point not less than 210°C (GOST 12.1.044). Observe all of laws, rules, regulations and agreements relevant to the environment. Collect and deliver exhaust oils to exhaust fluids reception station. Do not discharge the remaining and exhaust oil into city sewer system, soil or water bodies.

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