Gazpromneft Hydraulic HVZF – 22, 32, 46, 68

 Hydraulic systems

 All-season application

 Zn-free oils

 Anti-oxidation stability

 Non-ferrous metals anti-corrosion protection

 Synthetic oils

Gazpromneft Hydraulic HVZF - series of synthetic all-season hydraulic oils, developed with the use of Zn-free additive technology, for operation in systems of hydraulic equipment, that are characterized by both low and high operating temperatures. Due to use of synthetic base components, oils have increased oxidation stability, providing the opportunity to work with an extended service interval. Zn-free technology provides very high protection of the working surfaces of hydraulic system made from non-ferrous metals.

Characteristics/Advantages/Potential benefits

- High anti-oxidation stability → possibility to extend drain interval → lubricants costs reduction
- Resistance against deposit formation → high hydraulic system cleanliness → reduction equipment downtime
- High anti-corrosion protection of non-ferrous metals → providing high protection level of working surfaces of hydraulic system made from non-ferrous metals → reducing repair costs
- High cleanliness class → minimizing wear of precision pairs of the hydraulic system → improving the efficiency of hydraulic drives
- Zn-free technology → Zn-free additives have a lower environmental impact → concern for environmental

Applications

- Hydraulic systems of mobile equipment: mining, construction, logging and various municipal equipment.
- Hydraulic systems of mobile equipment where Zn-free oils are required
- Hydraulic drives of the outdoor equipment
- For application in various hydraulic pumps, including Denison, Cincinnati Machine, Bosch Rexroth, Eaton Vickers.
- Hydraulic systems, operating in the ambient temperature range from -30ºC to + 50ºC.

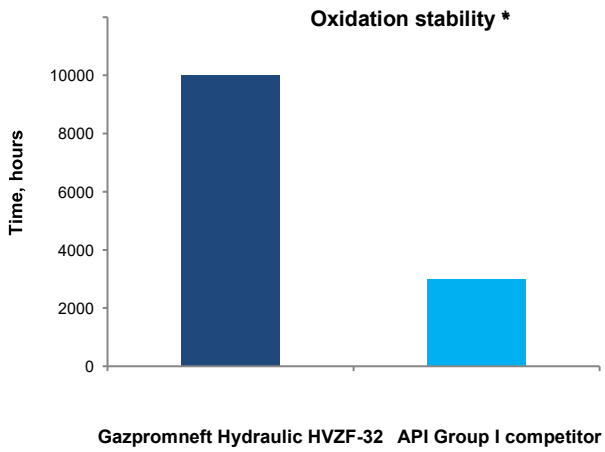
Specifications	ISO viscosity grade			
	22	32	46	68
DIN 51524 Part 3	✓	✓	✓	✓
Denison HF-0,1,2		✓	✓	✓
Eaton E-FDGN-TB002-E		✓	✓	✓
Bosch Rexroth RDE 90235		✓	✓	✓
Fives Cincinnati (specification)		P-68	P-70	P-69

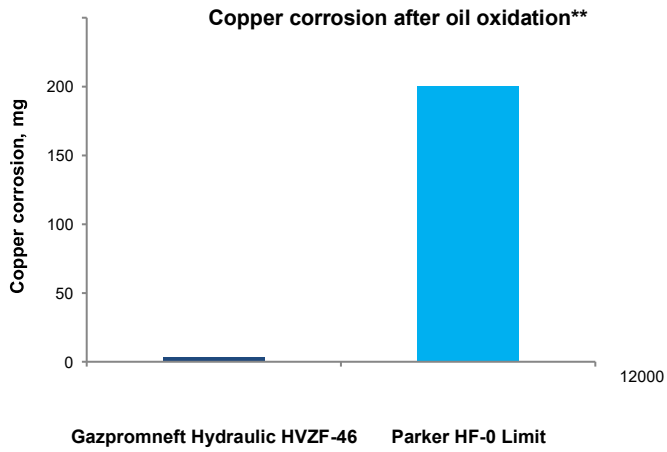
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The above data are typical for the products currently available. Due to ongoing research and development, the information contained in the document is subject to change. Information on the safe use of the product is contained in the Safety Data Sheet. More detailed information can be obtained from the company's technical specialists. E-mail: 365@gazpromneft-sm.ru. 12/2025

Typical physical and chemical characteristics

Parameters	Method	ISO viscosity grade			
		22	32	46	68
Kinematic Viscosity @40°C, mm^2/s	GOST 33	22,0	31,7	46,8	68,9
Kinematic Viscosity @100°C, mm^2/s	GOST 33	5,0	6,5	8,1	10,9
Kinematic Viscosity @l -20°C, mm^2/s	GOST 33	823,0	1386,7	-	-
Kinematic Viscosity @l -10°C, mm^2/s	GOST 33	-	-	944,5	-
Viscosity Index	GOST 25371	160	160	152	144
Flash Point (COC), °C	GOST 4333	206	205	220	226
Pour Point, °C	GOST 20287	-55	-52	-50	-43
Cleanliness class, max	GOST 17216	12	12	12	12
Density @20°C, kg/m^3	GOST R 57037	843,4	847,1	850,7	848,2
Copper Strip Corrosion	GOST 2917	1b	1b	1b	1b





*ASTM D943; **ASTM D4310

Gazpromneft Hydraulic HVZF series has very high oxidation stability, maintaining performance over a long service life

Gazpromneft Hydraulic HVZF series provides excellent protection of copper alloys working surfaces, reducing service costs

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

ISO 9001

ISO 14001

ISO 45001

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