Gazpromneft Hydraulic HZF – 32, 46, 68

 High anti-wear properties

 Zn-free oil

 High quality mineral oil

 Hydraulic systems

 Foaming stability

 Excellent filterability

Gazpromneft Hydraulic HZF – series of Zn-free hydraulic oils, specially designed for hydraulic systems of industrial equipment, where use of Zn-free anti-wear additives is necessary. Oils provide excellent operation of the systems with servo valves, have enhanced filterability, compatible with the most non-ferrous metals and protect metals from corrosion and rusting.

Features/Advantages/Potential benefits

- Effective Zn-free anti-wear components → wear protection of modern precision pairs and servo valves of hydraulic system → retaining of equipment service life
- Additives stability to hydrolysis → enhanced hydrolytic stability during water ingress, no deposits formation → possibility of hydraulic system operation in condition of increased flooding
- High cleanliness →wear minimization of precision elements → reduction of necessity of additional system maintenance
- Foaming stability → minimization of foaming → maintaining of pump performance in condition of air ingress
- High corrosion protection → reduction of corrosion of non-ferrous metals during the contact with oil oxidation products and water → maintaining of operating resource of hydraulic system
- Environmental friendliness → use of Zn-free anti-wear components → reduction of negative environmental impact

Applications

- Hydraulic systems of industrial and mobile equipment (seasonal use), where Zn-free oils are required.
- Hydraulic systems of modern metallurgical equipment and injection molding machine.
- Hydraulic systems, where servo valves with small gaps are used.

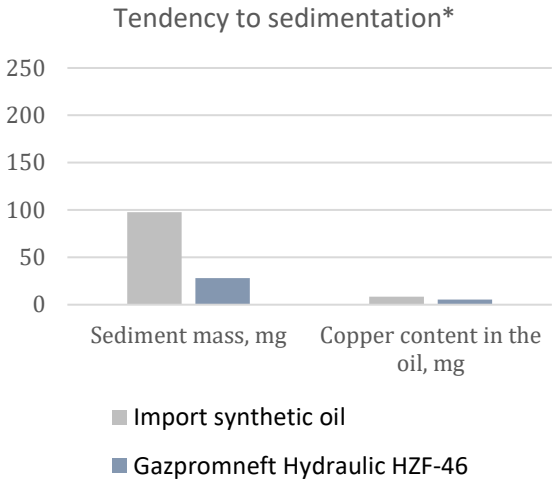
Specifications	ISO Viscosity Grade		
	32	46	68
DIN 51524 Part 2	✓	✓	✓
ISO 11158 HM	✓	✓	✓
GB 11118.1 L-HL, L-HM	✓	✓	✓
Denison Hydraulics HF-0,1,2	✓	✓	✓
ASTM D6158 HL, HM	✓	✓	✓
AIST 126	✓	✓	✓
Fives Cincinnati P-68	✓		
Fives Cincinnati P-69			✓
Fives Cincinnati P-70		✓	

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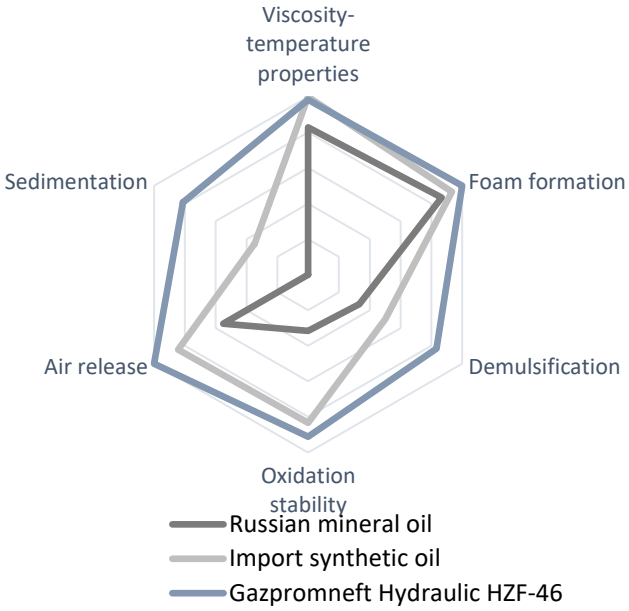
The above data are typical for the products currently available. Due to ongoing research and development, the information contained in the document is subject to change. Information on the safe use of the product is contained in the Safety Data Sheet. More detailed information can be obtained from the company's technical specialists. E-mail: 365@gazpromneft-sm.ru. 03/2026

Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade		
		32	46	68
Kinematic Viscosity @40°C, mm^2/s	ASTM D445	33,1	47,6	69,7
Kinematic Viscosity @100°C, mm^2/s	ASTM D445	5,5	6,9	8,6
Viscosity Index	ASTM D2270	102	101	97
Flash Point (COC), °C	ASTM D92	219	226	249
Pour Point, °C	GOST 20287	-39	-34	-30
Total Acid Number, mg KOH/g	GOST 11362	0,2	0,2	0,2
Cleanliness class, max	GOST 17216	10	10	10
Density @ 20°C, kg/m^3	ASTM D4052	867	873	879



*ASTM D4310 at 95ºC, 1000 hrs



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

ISO 9001 ISO 14001 ISO 45001

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