

Gazpromneft Hydraulic HZF – 32, 46, 68



Hydraulic systems



Zn-free oil



Excellent filterability



High anti-wear properties



Foaming stability



High quality mineral base oils

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	✓	✓	✓

Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade		
		32	46	68
Kinematic Viscosity @40°C, mm²/s	ASTM D445	32	46	68
Kinematic Viscosity @100°C, mm²/s	ASTM D445	5,5	6,8	8,6
Viscosity Index	ASTM D2270	101	100	97
Flash Point (COC), °C	ASTM D92	228	255	251
Pour Point, °C	GOST 20287	-40	-36	-31
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/m³	ASTM D4052	867	873	879

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

ISO 9001



ISO 14001



ISO 45001

