

Gazpromneft Hydraulic HVLP - 10, 15, 22, 32, 46, 68



Hydraulic systems



All-season application



High anti-wear properties



Filterability



High-quality mineral base oils

Gazpromneft Hydraulic HVLP- series of all-season hydraulic oils designed for use in hydraulic equipment systems, that are characterized by both low and high operating temperatures. Oils ensure operation of mobile equipment hydraulic systems in a wide temperature range, protect pumps from wear and have excellent filterability, maintaining filters in operation condition.

Characteristics/Advantages/Potential benefits

- Wide viscosity range → large number of viscosities for various ambient temperatures → possibility of operation in various climatic conditions
- Excellent viscosity-temperatures characteristics → hydraulic equipment operation in a wide temperatures range of application → high equipment performance
- Excellent thermal stability → deposits reduction in hydraulic drive during operation → maintaining equipment service life
- High level of anti-wear properties → wear protection of hydraulic system units (pumps, hydraulic distributors, hydraulic cylinders etc.) → additional spare parts cost reduction
- High degree of cleanliness → wear minimization of precision pairs of hydraulic system → increasing efficiency of hydraulic drives
- Corrosion protection → oil doesn't allow water and oxidation products to contact with structural elements, preventing corrosion → repair costs reduction

Applications

- Hydraulic systems of mobile equipment: mining, construction, logging and various municipal machinery.
- Hydraulic drives of stationary equipment, operating outdoor.
- For use in various hydraulic pumps by wide range of manufacturers, including Denison, Cincinnati Machine, Eaton, Bosch Rexroth etc.

Specifications	ISO Viscosity Grade					
	10	15	22	32	46	68
DIN 51524 Part 3	✓	✓	✓	✓	✓	✓
ISO 11158 HV	✓	✓	✓	✓	✓	✓
Denison HF-0,1,2				✓	✓	✓
Eaton E-FDGN-TB002-E				✓	✓	✓
Bosch Rexroth RDE 90235				✓	✓	✓
Fives Cincinnati (specification)				P-68	P-70	P-69
Beltramelli				✓	✓	✓
Sierra T 1000					✓	

Typical physical and chemical characteristics

Parameters	Method	ISO Viscosity Grade					
		10	15	22	32	46	68
Kinematic Viscosity at 40 °C, mm ² /s	ASTM D445	10	15	22	32	46	68
Kinematic Viscosity at 100 °C, mm ² /s	ASTM D445	3,0	3,9	5,0	6,3	7,9	10,4
Kinematic Viscosity at -20 °C, mm ² /s	ASTM D445	-	-	749	1502	-	-
Kinematic Viscosity at -10 °C, mm ² /s	ASTM D445	-	-	-	-	1112	1846
Viscosity Index	ASTM D2270	171	161	151	147	143	144
Flash Point (COC), °C	ASTM D92	138	168	199	218	201	224
Pour Point, °C	GOST 20287	-55	-51	-52	-46	-43	-40
Cleanliness class (*on request)	GOST 17216	14(*12)	14(*12)	14(*12)	14(*12)	14(*12)	14(*12)
Density at 20 °C, kg/m ³	ASTM D4052	830	833	840	850	856	859

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

ISO 9001



ISO 14001



ISO 45001

