

Gazpromneft Hydroil HLP – 32, 46, 68, 100

Hydraulic Oils



Hydraulic systems



High anti-wear properties



Excellent filterability



Low foaming



Corrosion protection



High quality mineral base oils

Gazpromneft Hydroil HLP oils use high quality, high viscosity index mineral oil and additive package to provide outstanding protection in most manufacturing and many mobile equipment operations. They resist breakdown under heat or mechanical stress and help prevent damaging deposit formation that can decrease the efficiency of hydraulic power systems. Proven zinc-based anti-wear additives effective throughout the range of operating conditions. Gazpromneft Hydroil HLP oils meet the most performance requirements of a wide range of hydraulic system and component manufacturers.

Applications

- Wide range of industrial hydraulic systems
- Suitable for systems with high intensity of hydraulic power including injection molding and high pressure metal pressing
- High output piston, gear, vane and axial-piston pumps
- Hydraulic pumps by wide range of manufacturers, including Denison, Cincinnati Machine, Eaton Vickers, Bosch Rexroth, Battenfeld, Beltramelli

Features	Advantages and Potential Benefits
Enhanced anti-wear protection	Help extend component life and improve production capacity
Superior cleanliness	In combination with active additives reduce the impact of contaminants on filter blocking to prolong the life of hydraulic equipment
Excellent thermal and oxidation stability	Reduce maintenance downtime and costs by contributing to system cleanliness and deposit reduction, enable long oil and filter life
Corrosion protection	High acid neutralizing properties provide superior protection of steel and iron materials to extend overhaul intervals
Compatible with all common seal materials	Maintains effective leakage control
Fast air release and low foaming	Provide efficient hydraulic power transfer and minimize cavitation to prolong equipment life

Meet the requirements:

- DIN 51524 Part 2
- Denison Hydraulics HF-0,1,2
- Eaton Vickers 35VQ25
- Bosch Rexroth RE 90220-01
- Fives Cincinnati P-68 (Gazpromneft Hydroil HLP-32)
- Fives Cincinnati P-70 (Gazpromneft Hydroil HLP-46)
- Fives Cincinnati P-69 (Gazpromneft Hydroil HLP-68)

Typical Characteristics

Properties	Method	Gazpromneft Hydroil HLP			
		32	46	68	100
ISO Viscosity Grade		32	46	68	100
Kinematic Viscosity @40°C, mm ² /s	ASTM D 445	32	46	68	100
Kinematic Viscosity @100°C, mm ² /s	ASTM D 445	5,4	6,7	8,6	11,1
Viscosity Index	ASTM D 2270	101	98	96	94
Flash Point (COC), °C	ASTM D 92	221	230	236	242
Pour Point, °C	ASTM D 97	-34	-32	-32	-30
Total Acid Number, mg KOH/g	ASTM D 664	0,6	0,6	0,6	0,6
Cleanliness class, max	ISO 4406	-/15/13	-/15/13	-/15/13	-/15/13
Density @20°C, kg/m ³	ASTM D 4052	872	881	882	887

Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.