

Gazpromneft Hydraulic HLP

Hydraulic Oils



Hydraulic systems



Anti-wear protection



Excellent filterability



Low foaming



Corrosion protection



Mineral

Gazpromneft Hydraulic 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 Hydraulic 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

Gazpromneft Hydraulic HLP series meets the requirements of

Specifications	Gazpromneft Hydraulic HLP			
	32	46	68	100
DIN 51524 Part 2	✓	✓	✓	✓
ISO 11158	✓	✓	✓	✓
Bekum		✓		
Danieli		✓	✓	
NATO		✓	✓	
Demag			✓	

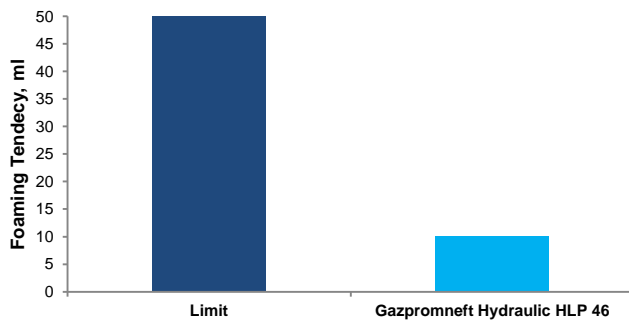
Gazpromneft Hydraulic HLP series has the following builder approvals

Specifications	Gazpromneft Hydraulic HLP			
	32	46	68	100
Bosch Rexroth RDE 90245 Fluid Rating List	✓	✓	✓	
Battenfeld	<i>meets</i>	✓	<i>meets</i>	<i>meets</i>
Beltramelli	✓	✓	✓	<i>meets</i>
Denison Hydraulics HF-0,1,2	✓	✓	✓	<i>meets</i>
Eaton Vickers 35VQ25	✓	✓	✓	<i>meets</i>
ENGEL		✓		
Fives Cincinnati	P-68	P-70	P-69	

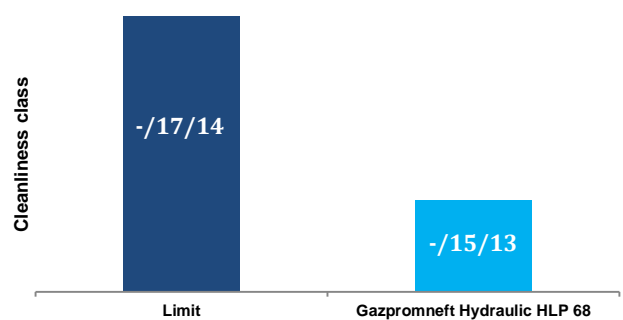
Typical Characteristics

Properties	Method	Gazpromneft Hydraulic HLP			
		32	46	68	100
ISO Viscosity Grade		32	46	68	100
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	32	46	68	100
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	5,4	6,7	8,6	11,1
Viscosity Index	ASTM D2270	101	98	96	94
Flash Point (COC), °C	ASTM D92	221	230	236	242
Pour Point, °C	ASTM D97	-34	-32	-32	-30
Total Acid Number, mg KOH/g	ASTM D664	0,6	0,6	0,6	0,6
Cleanliness class, max	ISO 4406	-/15/13	-/15/13	-/15/13	-/15/13
Density @15°C, kg/m ³	ASTM D4052	876	885	886	891

Excellent foaming control*



Superior cleanliness**



*ASTM D892; **ISO 4406

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.

ISO 9001

ISO 14001

ISO/TS 16949

OHSAS 18001

CERTIFIED

GAZPROMNEFT – LUBRICANTS, LTD.
14/3, Krzhizhanovskogo Street, Moscow, 117218 Russia
Tel: +7 (495) 642-99-69
Fax: +7 (495) 921-48-63
www.gazpromneft-oil.com

While the information and figures given here are typical of current production and conform to specification, minor variations may occur. The information contained is subject to change without notice. Gazpromneft-Lubricants accept no liability for any damage or loss resulting from using the product in purposes other than it intended, from any failure to comply with the recommendations or from hazards inherent in the nature of the material. If you require any further information please consult our technical helpdesk. E-mail: OilSupport@gazprom-neft.ru 05/2018