

GAZPROMNEFT HYDRAULIC - 32, 46, 68, 100



Hydraulic systems



Antioxidation
stability



Filterability



High quality mineral
base oils

Gazpromneft Hydraulic is a series of hydraulic oils designed to replace GOST level lubricants (Industrial-Hydraulic with Additives) and to be used in hydraulic systems requiring oils of DIN 51524 Part 2 level. The oils are produced on the basis of high quality mineral base oils with the use of a multifunctional additive package, which provides a level of performance properties that exceed the requirements for Industrial-Hydraulic oils with additives and comply with DIN 51524 Part 2 level. The oils have a high degree of purity class, ensuring the performance of hydraulic drives.

Characteristics/Advantages/ Potential benefits

- High purity → purity class 12 ensures the use of filters with mesh sizes of 4-6 microns in the hydraulic system → preserves the service life of valves and precision couples and ensures long hydraulic pump life
- Significant wear protection → additional anti-wear characteristics compared to GOST level oils → preservation of pump service life
- Oxidation stability → resistance to acid and deposit formation → reduced maintenance costs
- Stability against foaming → minimal foam formation → high hydraulic performance
- Excellent anti-corrosion properties → modern corrosion inhibitors protect structural components from corrosion → reduced unscheduled downtimes

Application

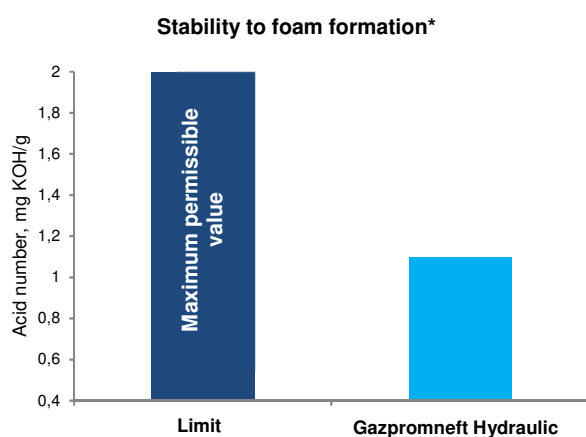
- Applicable in industrial equipment where Industrial-Hydraulic oils with additives or oils of DIN 51524 Part 2 level are required.
- Hydraulic systems of automatic lines of presses, machine tools and other equipment.
- Lightly loaded gearboxes, sliding guides, where special oils are not required (gear oils, with anti-skidding properties).
- Hydraulic drives where hydraulic fluids of DIN 51524 Part 2 level are recommended.

Specifications	ISO Viscosity Grade			
	32	46	68	100
DIN 51524 Part 2	✓	✓	✓	✓

Standard physico-chemical characteristics

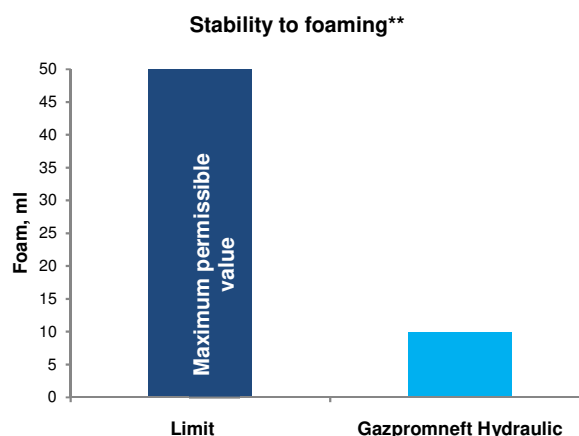
Indicators	Method	ISO Viscosity Grade			
		32	46	68	100
Kinematic viscosity at 40 °C, mm ² /s	ASTM D 445	32	46	68	100
Kinematic viscosity at 100 °C, mm ² /s	ASTM D 445	5,2	6,5	8,1	10,9
Viscosity index	ASTM D 2270	94	92	92	90
Flash point, COC (Cleveland Open Cup Flash Tester), °C	ASTM D 92	228	237	246	248
Pour point, °C	GOST 20287	-27	-25	-28	-23
Acid number, mg KOH/g	GOST 11362	0,9	0,9	0,9	0,9
Density 20 °C, кг/м ³	ASTM D 4052	873	876	882	889

Gazpromneft Hydraulic oils demonstrate high performance in tests against the norms that regulate the standards:



Gazpromneft Hydraulic series oils minimize the formation of oxidation products, protecting the surfaces of hydraulic equipment from corrosion.

* ASTM D943 test; ** ASTM D892 test



Gazpromneft Hydraulic series oils have a low tendency to foam formation, preserving the performance of hydraulic pumps.

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

ISO 9001



ISO 14001



ISO 45001

