



PRODUCT DESCRIPTION AND APPLICATION

Product Description

Rosneft Hidrotec HLP is a hydraulic oil with a high performance level. It is produced from highly refined petroleum base oils and multifunctional additives with improved filterability, anti-oxidant, anti-corrosion, anti-wear, depressant, demulsifying and anti-foam properties.



Approvals from leading OEMs



Improved protection against wear and corrosion



Difference in low foaming



Improved anti-wear additives

Application

Rosneft Hidrotec HLP is intended for use in hydraulic systems of industrial equipment operating under high mechanical and thermal loads, equipped with servo-hydraulic units, proportional control systems and filtering elements with filtering degree of 3-5 microns. Rosneft Hidrotec HLP hydraulic oils meet the requirements of DIN 51524-2. They have approvals from and meet the performance requirements of the most hydraulic systems. They can be used in hydraulic systems of mobile equipment.

APPROVALS AND SPECIFICATIONS

Viscosity grade:

ISO VG: 32, 46, 68, 100

Approvals and specifications:

DIN 51524-2 (HLP); ISO 11158 (HM) & ASTM D6158-99 HM;
Bosch Rexroth 90245 (excl. VG 100);
Eaton 35VQ25; Sulzer;

Parker-Denisoin HF-0, HF-1, HF-2;
Fives P-68, P-70, P-69; KraussMaffei; Sandvik;
Metso; Danieli; Engel; Hurco;
Trevisan Cometal; Dalian Machine Tools;
T-Machinery; Demag Plastservice; Battenfeld;
Vernet Behringer (VP-X 124/166); HYDAC;
KOPEX; Masa; COMMETO; Honghua Group;
BELAZ; Danfoss; Gidroprivod; PSM-Hydraulics.

BENEFITS

- Excellent oxidation stability increases oil and filters' service life, reducing maintenance costs;
- Active anti-corrosive components effectively prevent corrosion when water enters the system;
- Excellent anti-foam properties reduce the risk of air entering the working area, and help to maintain the stability of the protective oil film in the friction units.

PACKAGING

20 L, 216.5 L, special 216.5 L, 1000 L, bulk (auto and railroad)

Typical Physical and Chemical Properties

Parameter	Test method	Rosneft Hidrotec HLP			
		32	46	68	100
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	32	46	68	100
Viscosity index	GOST 25371	100	100	100	95
Color CNT, units	GOST 20284	1	1,5	2,5	3,0
Total acid number, mg KOH/g	GOST 11362	0,6	0,6	0,7	0,8
Ash content, %	GOST 1461	0,1	0,1	0,1	0,2
Filterability, s, not more than: without water with a volume ration of 2% water	Method №9-2004	100 200	140 220	140 240	160 250
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	60 30 60	60 30 60	60 30 60	60 30 60
Flash point, COC °C	GOST 4333	215	220	230	235
Pour point, °C	GOST 20287	-30	-22	-21	-20