



PRODUCT DESCRIPTION AND APPLICATION

Product Description

Rosneft Hidrotec HVLP is a hydraulic oil with a high performance level. It is produced from highly purified petroleum base oils and multifunctional additives with improved anti-oxidant, anti-corrosive, anti-wear, anti-foam and viscosity properties.

Application

Rosneft Hidrotec HVLP is intended for all-season use in hydraulic systems of industrial equipment and mobile equipment operating under high mechanical and thermal loads. Rosneft Hidrotec HVLP hydraulic oils meet the requirements of DIN 51524-3 and the performance requirements of most hydraulic systems. They have an advanced viscosity index and wide approval range so that consumers can choose products that best fit the production goals and requirements of most international manufacturers of stationary and mobile equipment.

APPROVALS AND SPECIFICATIONS

Viscosity grade:

ISO VG: 15, 22, 32, 46

Approvals and specifications:

DIN 51524-3 (HVLP); Bosch Rexroth 90245 (ISO VG 46); Eaton 35VQ25; Parker-Denisoin HF-0, HF-1, HF-2; Fives P-68, P-70; Sulzer;

Sandvik; Metso; COMMETO; Honghua Group; Danfoss; BelAZ; IVECO-AMT; Plant of Road Machines; Stroydormash; Pnevmostroy mashina; JSC "Kirovsky Zavod", KraussMaffei (ISO VG 46)



HVLP 15



HVLP 22



HVLP 32



HVLP 46



Optimal fluidity
at low temperatures



Approvals from leading
OEMs



Improved anti-wear
additives



Difference in low
foaming



For all-season
operation

BENEFITS

- Effective viscosity modifier provides a high viscosity index and excellent pumpability at low temperatures;
- Resistance to mechanical disruption provides stable viscosity over the entire temperature range throughout the entire oil life;
- 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, 1000 L, bulk (auto and railroad)

Typical Physical and Chemical Properties

Parameter	Test method	Rosneft Gidrotec HVLP 15	Rosneft Gidrotec HVLP 22	Rosneft Gidrotec HVLP 32	Rosneft Gidrotec HVLP 46
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	15,90	22,95	33,57	45,55
Viscosity index	GOST 25371	145	175	170	160
Color CNT, units	GOST 20284	0,5	1,0	0,5	0,5
Total acid number, mg KOH/g	GOST 11362	0,65	0,70	0,55	0,65
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 40 0	0 10 0	0 10 0	0 10 0
Flash point, COC °C	GOST 4333	160	180	180	205
Pour point, °C	GOST 20287	- 60	-53	-54	-50