

# ROSNEFT GIDROTEC WR HVLP 15, 22, 32, 46



## DESCRIPTION AND SCOPE OF APPLICATION

### Product description

**Rosneft Gidrotec WR HVLP** is a hydraulic oil with a high performance level. It is produced based on a mixture of highly refined mineral base oils and additives that provide high anti-wear, antioxidant, anticorrosive, antifoam, demulsifying and viscous performance properties.

### Application

Rosneft Gidrotec WR HVLP hydraulic oils are designed for all-season use in hydraulic systems of construction, road, logging, hoisting-and-transport equipment and other machines and units operating outdoors in increased watering conditions.

## DESCRIPTION AND SCOPE OF APPLICATION

### Viscosity grades:

ISO VG: 15, 22, 32, 46

### Specifications and approvals:

DIN 51524-3 (HVLP), JSC "Kirovsky Zavod", KraussMaffei (ISO VG 46)

## ADVANTAGES

- Keeps the hydraulic system clean for excellent oxidation stability, extends oil and filter life, reducing maintenance costs;
- The demulsifying properties of the oil make it possible to effectively separate water in the hydraulic system and use the oil even in increased watering conditions;
- The active anti-corrosion component of the additive package effectively prevents corrosion when water enters the system;
- Low-temperature properties due to the unique combination of an effective viscosity modifier and a low-viscosity base allow quick start-up of hydraulic systems even without additional heating, which dramatically reduces the start-up time and wear of friction units when operating with cold oil;
- Excellent anti-foaming properties reduce the risk of air entering the working part of the system, maintain the stability of the protective oil film in the friction units.

## PACKING

20 L, 216.5 L.



Extended oil drain interval



Reduced negative effects caused by the presence of water



Effective prolongation of the life of mechanisms



High demulsifying properties



Difference in low foaming



Formulated for hydraulic systems of industrial equipment and commercial vehicles

## Typical physical and chemical parameters

Parameter	Test method	Rosneft Gidrotec WR HVLP				
		15	22	32	46	
Kinematic viscosity at 40 °C, mm <sup>2</sup> /s	GOST 33	14,8	23,1	33,8	44,9	
Viscosity index	GOST 25371	140	140	190	165	
Color on TsNT colorimeter, units	GOST 20284	0,5	0,5	0,5	2,0	
Acid number, mg KOH/g	GOST 11362	0,5	0,6	0,6	0,7	
Ash content, %	GOST 1461	0,1	0,1	0,1	0,2	
Foaming tendency: at 24 °C at 94 °C at 24 °C after testing at 94°C	ASTM D892	0 30 20	20 30 20	0 10 0	0 10 0	
Demulsifying properties: time for emulsion separation into 40 ml of oil, 37 ml of water and 3 ml of emulsion: At 54 °C, min, max.		ASTM D1401	5	5	5	5
Open-cup flash point, °C			GOST 4333	150	178	175
Pour point, °C	GOST 20287	-52	-49	-44	-45	
Density at 15 °C, kg/m <sup>3</sup>	GOST R 51069	-	-	873,2	-	