ROSNEFT GIDROTEC ZF HLP 32, 46, 68, 100

PRODUCT DESCRIPTION AND APPLICATION

Product Description

Rosneft Gidrotec ZF HLP is a zinc-free hydraulic oil with a high performance level. It is produced from highly purified mineral oils and ashless additives with high performance properties.

Application

Rosneft Gidrotec ZF HLP is intended for use as a working fluid in hydraulic systems of industrial equipment, including injection molding machines 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.

APPROVALS AND SPECIFICATIONS

Viscosity grade:
ISO VG: 32, 46, 68, 100

Approvals and specifications:
Bosch Rexroth 90220, DIN 51524-2 (HLP); Sulzer; Engel, Danieli; Atec; Demag Plastservice

BENEFITS

- A special ashless package allows the use of oil in hydraulic systems with non-ferrous metals, where the use of conventional ash oil can increase wear from non-ferrous metals;
- Absence of metal-containing compounds helps the oil to prevent deposits in hydraulic systems, preventing valve sticking during operation and decreasing oxidation and uncontrolled viscosity growth caused by the deposit dissolution;
- 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;
- Improved air separation reduces the possibility of cavitation in the operation of high-speed hydraulic pumps and distributing and control valves, and stabilizes the oil pressure;
- Does not pollute the environment with heavy metals and zinc by oil spills from hydraulic systems.

PACKAGING

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

Typical Physical and Chemical Properties

Parameter	Test method	Rosneft Gidrotec ZF HLP			
		32	46	68	100
Kinematic viscosity at 40 °C, mm^2/s	GOST 33	32	46	68	100
Viscosity index	GOST 25371	105	100	98	95
Color CNT, units	GOST 20284	1,0	1,0	2,0	2,5
Total acid number, mg KOH/g	GOST 11362	0,2	0,2	0,2	0,7
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	 0 10 0	 0 20 0	 0 20 0	 0 20 0
Flash point, COC °C	GOST 4333	205	216	221	220
Pour point, °C	GOST 20287	-30	-23	-20	-20