# ROSNEFT GIDROTEC WR HLP


## PRODUCT DESCRIPTION AND APPLICATION

### Product Description

**Rosneft Gidrotec WR HLP is** 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 Gidrotec WR HLP** is produced for use in hydraulic systems of industrial equipment of domestic and foreign production of various types and all production years, operating under high mechanical and thermal loads, as well as in conditions of severe waterlogging.

## APPROVALS AND SPECIFICATIONS

**Viscosity grade:**
ISO VG: 32, 46, 68, 100, 150

**Approvals and specifications:**
DIN 51524-2 (HLP), Sulzer; KraussMaffei

## BENEFITS

- Due to the use of a modern additive package, it meets the requirements of most manufacturers of equipment
- A modern package of anti-wear additives helps to effectively reduce wear of moving parts of equipment and extends the service life to overhaul
- The specially oil formulation makes possible to use it even in heavily watered systems
- Excellent anti-foam 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
- Improved air separation reduces the possibility of cavitation in the operation of high-speed hydraulic pumps, distribution and control valves, ensures the stability of oil pressure

## PACKAGING

20 L, 216.5 L.

## Typical Physical and Chemical Properties

| Parameter | Test method | Rosneft Gidrotec HLP 32 | Rosneft Gidrotec HLP 46 |
|---|---|---|---|
| Kinematic viscosity at 40 °C, $mm^2/s$ | GOST 33 | 31.9 | 44.9 |
| Viscosity index | GOST 25371 | 105 | 101 |
| Color CNT, units | GOST 20284 | 1 | 1 |
| Total acid number, mg KOH/g | GOST 11362 | 0,5 | 0,6 |
| Foaming tendency:<br>at 24 °C<br>at 94 °C<br>at 24 °C after test 94 °C | ASTM D892 | 0<br>10<br>0 | 10<br>20<br>0 |
| Flash point, COC °C | GOST 4333 | 210 | 220 |
| Pour point, °C | GOST 20287 | -24 | -19 |
| Demulsibility<br>At 54 $^oC$, min<br>At 82 $^oC$, min | ASTM D1401 | 5<br>- | 5<br>- |
| Ash content, % | GOST 1461 | 0,1 | 0,13 |