

HYDRAULIC OILS

Hydraulic oils

Agrinol Hydraulic Lift -22, -32, -46, -68, -100

TS U 23.2-36451680-154:2010

Structure

Mineral oils with additives package that improves lubricating, viscosity, anti-wear, anti-corrosion and anti-oxidation properties.

Application area

To be used as a working fluid in modern hydraulic and circulating systems (if there are no requirements for other special oils).

Also are intended for application in stationary hydraulic systems with plate and piston pumps (radial-piston, axial pumps) at high operating pressures (over 25 MPa).

Are recommended for operation under extreme temperatures and their significant variations with straighter requirements for shear stability and anti-wear protection, as well as for application in irrigation conditions.

Key performance properties

- high resistance to traditional wear (lower operation costs, increased productivity and service life of machines);
- better resistance to high-temperature destruction (*ensure prolonged life of lubricating material with reduced costs, reduced downtime and technical service due to minimal formation of sludge and deposits*);
- surface protection of steel parts from corrosion;
- flatter viscosity-temperature curve (*is recommended for application as a low-temperature oil for systems' exploitation under a wide temperature range and its significant variations*).

Physical and chemical properties

Index name	Agrinol Hydraulic Lift					Test methods
	22 HV HVLP	32 HV HVLP	46 HV HVLP	68 HV HVLP	100 HV HVLP	
Comply with international classifications: ISO VG ISO 6743 DIN 51524.3						
1. Kinematic viscosity at 40 °C, mm ² /s, not less than:	18-26	28-36	41-51	61-75	90-110	GOST 33
2. Viscosity index, not less than	150					GOST 25371
3. Acid number, mg KOH per 1g of oil, not more than	0,5-1,0					GOST 5985
4. Mass fraction of water	None					GOST 2477
5. Mass fraction of mechanical impurities	None					GOST 6370
6. Ash content %, not more than	0,2					GOST 1461
7. Open cup flash point, °C, not lower than	160	170	180	190	200	GOST 4333
8. Pour point, °C, not higher than	-40	-40	-40	-38	-38	GOST 20287
9. Density at 20 °C, kg/m ³ , not more than	890	890	890	900	900	GOST 3900
10. Foaming tendency, cm ³ , not more than: - at 24 °C, sequence I - at 94 °C, sequence II - at 24 °C, after test at 94 °C, sequence III	80 100 80					Acc to TS p.7.3.13
11. Corrosion on metals	Pass					GOST 2917
12. Color, CNT units, not more than	4,5	5,0	5,5	5,5	6,0	GOST 20284

Shelf life: 3 years from the manufacturing date.