

## Agrinol

### Hydraulic Lift S -22, -32, -46, -68, -100

## Specification

### Composition

Mixture of oils with additive package improving lubricating, viscous, anti-wear, anti-corrosion and anti-oxidation properties.

### Application area

Semi-synthetic hydraulic fluids for use in modern hydraulic and circulation systems (if there is no other requirements on special oil). And also for work in stationary hydraulic systems with plate and piston pumps (radial piston pumps, axial pumps) at high operating pressures (above 25 MPa).

**Recommended for work under extreme temperature and its considerable fluctuations of, with increased requirements for shear stability and**

**protection against wear, as well as in terms of flooding.**

### Key performance properties

- high resistance to conventional wear (lower operating costs, improved productivity and increased service life of machines);
- increased resistance to high temperature degradation (helps to increase the service life of the lubricant with a decrease of lubricant costs, reducing planned downtime and reducing maintenance due minimum deposit formation and sludge);
- protection against the corrosive effects of the surfaces of steel parts;
- flatter viscosity-temperature curve (recommended for use as a low-temperature oil when operating systems in a wide temperature range and its considerable fluctuations).

### Physical and chemical properties

Index name	Agrinol Hydraulic Lift S					Test methods
Comply with international classifications: ISO VG ISO 6743 DIN 51524.3	22 HV HVLP	32 HV HVLP	46 HV HVLP	68 HV HVLP	100 HV HVLP	
1. Kinematic viscosity at 40 °C, mm <sup>2</sup> /s, not less than:	18-26	28-36	41-51	61-75	90-110	GOST 33
2. Viscosity index, not less than	175					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	185	200	210	GOST 4333
8. Pour point, °C, not higher than	-44	-42	-40	-36	-36	GOST 20287
9. Density at 20 °C, kg/m <sup>3</sup> , not more than	870	880	880	890	890	GOST 3900
10. Foaming tendency, cm <sup>3</sup> , not more than: - at 24 °C, sequence I - at 94 °C, sequence II - at 24 °C, after test at 94 °C, sequence III	50 50 60					By p..7.3.13 of this TS
11. Corrosion on metals	Pass					GOST 2917
12. Color, CNT units, not more than	2,0	2,0	2,5	3,0	3,5	GOST 20284

**Shelf life:** 3 years from the manufacturing date.