

## HYDRAULIC OILS

### Hydroil HM -10, -22, -32, -46, -68, -80 TS U 23.2-30802090-114:2009

#### Structure

Mineral oils with additive package that improves lubricating, anti-corrosion anti-oxidation properties.

#### Application area

Oils of **Hydroil HM -10, -22, -32, -46, -68, -80** series are used as a working fluids for hydraulic drives, hydraulic transmissions and circulating oil systems of different aggregates, easy- and heavy-loaded gearboxes and worm gears, variators, electromagnetic and gear couplings, bearing units, sliding and rolling

guides and for other technique and machinery units of the modern industrial equipment.

**Does not contain chlorine compounds.**

#### Key performance properties

- excellent anti-oxidation properties that ensure prolonged fluid usage without changing;
- good anti-foaming and air release properties;
- excellent thermal stability that prevents formation of high-temperature deposits;
- perfect protection from corrosion and rust;

#### Physical and chemical properties

Index name	Hydroil HM						Test methods
	10 HM HLP	22 HM HLP	32 HM HLP	46 HM HLP	68 HM HLP	80 HM HLP	
Comply with international classifications: ISO VG ISO 6743/4 DIN 51524/2							
1. Kinematic viscosity at 40°C, mm <sup>2</sup> /s, not less than:	8-14	18-26	28-36	42-51	61-75	76-85	GOST 33
2. Viscosity index, not less than	108	100	98	97	94	92	GOST 25371
3. Acid number, mg KOH per 1g of oil, not more than	0,7						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	190	200	210	215	GOST 4333
8. Pour point, °C, not higher than	-30	-27	-24	-24	-24	-20	GOST 20287
9. Density at 20°C, kg/m <sup>3</sup> , not more than	900	900	900	900	910	910	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 20 50						Acc. to TS p.7.3.13
11. Corrosion on metals	Pass						GOST 2917
12. Color, with 15/85 dilution, CNT, not more than	1,0			1,5			GOST 20284
13. Mass fraction of sulphur, %, not more than	0,5			0,8			GOST 1437

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