

## INDUSTRIAL OIL

### Agrinol MS -20

#### TS U 23.2-30802090-013-2003

#### **Composition**

Mineral oil of selective treatment Made from no wax and paraffinic oils with low sulfur content. Possess high viscosity, excellent adhesion, good lubrication properties

#### **Sphere of application**

Oil **Agrinol MS-20** does not contain active additives. Designed for use in industrial equipment of rolling mills, gearboxes and other equipment of metallurgical, mining, mining, wood processing enterprises.

Oils **Agrinol MS-20P** and **Agrinol MS-20ps** used as lubricants in cases when

needed higher performance requirements, primarily anti-wear and detergent properties of the oil.

#### **Main performance characteristics**

- excellent antioxidant properties provide long use without fluid replacement;
- good anti-foam and air release properties;
- excellent protection against rust and corrosion;

#### **Physical and chemical properties**

Index name	Agrinol MS-20	Agrinol MS-20p	Agrinol MS-20ps	Test methods
1. Kinematic viscosity at 100°C, mm <sup>2</sup> /s, not less than	20,5	20	20	GOST 33
2. Viscosity Index, not less	85	85	85	GOST 25371
3. Acid number, mg KOH per 1g of oil, not more than	0,03	0,04	0,05	GOST 5985
4. TBN mg KOH / g	–	Not less than 0,9	Not less than 1,5	GOST 11362
5. Temperature, ° C: • Open cup flash point, 0C, not lower than • • pour point, not higher than	240 -13	230 -15	230 -15	GOST 4333 GOST 20287
6. Coking ability oils, % not more than	0,3	0,3	0,5	GOST 8852
7. Sulfated Ash,%, not more than	0,005	0,25*	0,25	GOST 12417
8. Mass fraction, %: • mechanical impurities, not more than • Water, not more than • sulfur in the base oil, not more than • calcium, not less than	None Traces 0,7 -	0,01 None 0,7 0,08	0,015 None 1,0 0,1	GOST 6370 GOST 2477 GOST 1437 GOST 13538
9. Corrosion: - on lead plates, g / m <sup>2</sup> , not more than - on steel rods	- None	10 -	10 -	GOST 20502, method A GOST 19199
10. Density at 20°C, kg/m <sup>3</sup> , not more than	900	900	900	GOST 3900

\* The indicator is not rejection and it is used in the calculations.

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