

MOTOR OIL

Agrinol SAE 10W CF-4
TS U 23.2-30802090-085:2009



Oil matches international classification for standards:

API CF-4 SAE 10 GOST E2

Composition

The mineral base components that have necessary viscosity properties for use in the summer period with an effective package of functional additives with high anti-wear, antioxidant, detergent and dispersant properties.

Sphere of application

Designed for lubrication of diesel and marine diesel engines, diesel engines bulldozers domestic and imported production equipment of metallurgical, mining and mining enterprises, various diesel engines operating under different conditions, drilling and other equipment.

Operating temperature range: from **minus 5°C** to **+35 °C**.

Main performance characteristics

- High oxidative/thermal stability;
- Protects the engine from the formation of harmful deposits in the cylinders, the surfaces of pistons and piston rings;
- Effectively neutralizes corrosively-active compounds, which are formed in case of using the diesel fuel with high sulfur content (including up to 0,5%);
- Compatible with the materials of sealing glands and gaskets;

Features

SHPD-level (Super High Performance Diesel) oil.

Physical and chemical properties

Index name	Norm	Test methods
1 Density at 20 ⁰ C, kg/m ³ , not more than	890	GOST 3900
2 Kinematic viscosity at 100 ⁰ C, mm ² /s, within	4,1-5,6	DSTU GOST 33
3 Viscosity index, not less than	95	DSTU GOST 25371
4 Open cup flash point, ⁰ C, not lower than	190	GOST 4333
5 Pour point, ⁰ C, not more than	Minus 20	GOST 20287
6 Mass fraction of solids, %, not more than	0,015	GOST 6370
7 Mass fraction of water, %, not more than	Traces	GOST 2477
8 Color at CNT colorimeter, CNT units, not more than	4,0	GOST 20284
9 Total base number (TBN), mg KOH/g, not lower than	9,0	GOST 11362
10 Mass fraction of active elements: - Ca, %, not less than - Zn, %, not less than	0,3 0,1	GOST 13538
11 Sulphated ash, %, not more than	1,5	DSTU GOST 12417
12 Stability (according to induction period of sedimentation), within 30 hours	Withstands	GOST 11063
13 Corrosiveness on the plates of the lead, g/m ² , not more than	10	GOST 20502
14 Detergent properties on PZV unit, the scores, not more than	0,5	GOST 5726

Guaranteed shelf life: 5 years from manufacturing date.