

MINERAL LUBRICATING AND COOLING LIQUID

Cold Roller

TS U 20.5-30802090-105:2008

Composition

Is a oil concentrate which is produced of mixture of distillate and residual oils with additive package

Application

Cold Roller is used as 3-10% water emulsion as lubricating and cooling liquid while cold rolling of carbon steel.

Main operational properties

- high lubrication properties;
- excellent antiwear and antioxidant characteristics;
- increased resistance to bio-affection (antimicrobial properties);
- avoiding carbonization.

Physical and chemical properties

Index name	Cold Roller	Test methods
1. Appearance:	Homogeneous oil liquid from yellow to dark brown color	GOST 6243 cl.1
2. Odour:	Specific, not irritating	DSTU 3927
3. Kinematic viscosity at 50 °C, mm ² /s, not more than	30	DSTU GOST 33
4. Acid number, mg KON on 1 gr of oil, in limits	16-25	GOST 6707
5. Saponification number, mg KOH/g, in limits	65-90	GOST 21749
6. Mass fraction of water, %, not more than	1	GOST 2477
7. Stability during storage	Withstands	GOST 6243 cl.6a
8. Density at 20 °C, kg/m ³ , in limits	880-960	GOST 3900
3 % water emulsion		
9. Stability during 6 hours	Withstands	GOST 6243 cl.3, cl.3.1
10. pH value, pH units, in limits	8,0-9,0	GOST 6243 cl.4
11. Corrosion test	Withstands	GOST 6243 cl.2

Shelf life 6 month from manufacturing date.