

PRODUCT DATA SHEET

SERVO STEEROL SS C6



DESCRIPTION

Servosteerol SS C6 is a water emulsion base semi synthetic type rolling oil formulated with highly refined base stock and performance based additives. It form a metastable and long lasting emulsion with water and has an excellent cooling and friction reducing properties This oil has been developed for use in Tandem Cold Rolling Mills. The capability of this oil is to provide desirable co-efficient of friction between the roll bites. The concentration of oil in emulsion depends on the degree of surface finish, roll diameter, rolling speed and percentage reduction.

PERFORMANCE BENEFITS

1. Provides improved sheet cooling.
2. Reduces Roll force.
3. Enhances life of Rolls.
4. Improves reflectance of the rolled sheet – sheet cleanliness.
5. Ensures thickness gauge reduction.
6. Low specific oil consumption

APPLICATION

The emulsion of oil is pumped on to the Work Roll. A dedicated cellar is maintained for round the clock lubrication through continuous filtration and separation of iron fines through magnetic separator. The recommended temperature of emulsion is 45 – 55 Deg C. Though this oil has been developed for use in Tandem Cold Rolling Mills, may be used in other mills with similar load & reduction pattern.

PERFORMANCE STANDARDS

Approved by M/s. SAIL Bokaro Steel for use in their CRM - 4 Hi 4 Stand Tandem Mill (I).

Final reduction achieved 0.33 – 0.43 mm in 4th stand (1200 mpm) with 3 emulsion tanks and input thickness (at 1st stand) being 1.8 – 5 mm. Also achieved during rolling:-

- Specific rolling load: 0.75 – 1.0 ton / mm
- Specific oil consumption: 0.27 ltr / ton
- Average strip reflectance : > 85%

CHARACTERISTICS

PARAMETERS	Steerol SS C6
Appearance	Red liquid
Density @ 29.5 Deg C	0.916
Kinematic Viscosity @ 40 Deg C, cSt	52 - 62
Flash Point, COC, Deg C , min.	190
Acid Number, mg/KOH/g	6.5 – 12.5
Saponification Number	143 - 153
pH of 5% Vol. Emulsion in distilled water	5.5 – 7.5

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

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