

PRODUCT DATA SHEET

SERVO STEEROL SS C25



DESCRIPTION

Servosteerol SS C25 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 6 HI 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.

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. Suggested oil concentration in emulsion

- 2.5% for rolling down to 0.3 mm
- 3.0% for rolling down to 0.2 mm
- 3.5% for rolling down to 0.1 mm

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

PERFORMANCE STANDARDS

Approved by M/s. Bhushan Steel, Sahibabad for use in their reversible 6 Hi- Cold Rolling Mill (FPE) where exit gauge reduction upto 0.10 mm is done. Achieved during rolling:-

- Specific rolling load: 0.65-0.75 ton / mm
- Max. Specific oil consumption: 0.7 ltr / ton

CHARACTERISTICS

PARAMETERS	Steerol SS C25
Appearance	Light yellow liquid
Density @ 29.5 Deg C	0.916
Kinematic Viscosity @ 40 Deg C, cSt	38 - 46
Flash Point, COC, Deg C	200
Acid Number, mg/KOH/g	9 – 17
Saponification Number	205 - 217
pH of 5% Vol. Emulsion in distilled water	5.0 – 7.0

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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