

DESCRIPTION

Servosteerol C 5 is a premium type high performance cold rolling oil. It is a high quality "oil in water type emulsifying rolling oil dozed with special additives" and is specially recommended for cold rolling of Silicon Steels. The water provides cooling action while the oil act as a lubricant. It form a metastable and long lasting emulsion with water and has an excellent cooling and friction reducing properties which results in increased roll life, reduced power consumption, increased production and stain free surface finish.

APPLICATION

This is recommended for Cold Rolling Mill, where Carbon Steel Sheet Rolling is being carried out. It is oil-in- water emulsions (typically with 1.5% oil concentration). A dedicated celler (Coolant Sump) having DOT and COT maintained for round the clock lubrication through continuous filter and magnetic separator. The used oil comes back to Dirty oil tank and pumped through system of strainers and filter before going to clean oil tank. This is a high quality "oil in water type emulsifying oil" specially recommended for cold rolling of hard steels like Silicon steels.

PERFORMANCE BENEFITS

- Provide cleanliness, lower Roll force, longer life of oil and better TGA.
- Produce the clean sheet after annealing & also provide better surface reflectance.
- Easy Emulsion preparation.
- Good Rolling Performance – reduction in gauge.
- Long Emulsion life.
- Overall lower cost per ton of rolling.

PERFORMANCE STANDARDS

1. Performance established in SAIL Rourkela Steel Plant.
2. Used for rolling in 4 Hi single stand reversible Silicon Mill.
3. Target reduction of 0.5 mm achieved with sp. oil consumption of 0.7 ltr/ton
4. Oil content in emulsion maintained even though sump temperature is between 60 – 70 deg C.

CHARACTERISTICS

PARAMETER	SERVO STEEROL C5
Appearance	Light yellow liquid
Density @ 29.5 Deg C	0.91
Kinematic Viscosity @ 40 Deg C, Cst	40 - 44
Flash Point, COC, Deg C, min.	170
SAP Value, mg KOH/g	160 – 165
pH of 5% Vo. 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:

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051

E-Mail: servotechserv@indianoil.in **OR** servots@indianoil.in

May-20