

# CASE STUDY 45

## (SYNTHETIC OIL FOR ROLL GRINDING)



### CUSTOMER DETAILS :

A leading hot strip mill and thin slab caster in Eastern India.



### OBJECTIVES FOR CONDUCTING THE TRIAL

- Temporary rust prevention
- Operator friendly – No foul smell, No skin irritation,
- Reduction in consumption & direct cost
- Improvement in Sump life



### OPERATING / APPLICATION DETAILS:

- |                        |                     |                            |                               |
|------------------------|---------------------|----------------------------|-------------------------------|
| 1. Machine Make        | : Maxis Motion      | 6. Coolant Pressure        | : 3 to 4 Bar                  |
| 2. Tank capacity       | : 5000 Ltrs.        | 7. Required Surface Finish | : 400 Micro Min 700 Micro Max |
| 3. Type of Operation   | : Grinding External | 8. Product in Use          | : GRODAL SS CUT 10            |
| 4. Work piece material | : HSS,SNG           | 9. Trial Period            | : 11.03.2019 ~30.06.2019      |
| 5. Cycle Time          | : 60Mins            |                            |                               |



### COMPONENT VIEW



**PRODUCT RECOMMENDED: HIGRIND SYN -ST**

## TRIAL RESULTS

The following trial objectives have been met successfully



Observed good flushability in Machine



No corrosion or stain marks in finished parts



Operator friendly.



Good Stability in Concentration and pH.



Sump Life increased



Direct Cost reduction ~10% .