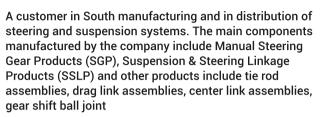


PROFILE OF COMPANY



OPERATING/ APPLICATION DETAILS :

- 1. Machine Make : Emag , Liebherr
- 2. Component : Pinion Racks
- 3. Material : Steels (Different EN Series)
- 4. Cycle time: 60 Secs
- 5. Operation : Hobbing
- 6. Tank capacity : 250 Ltrs

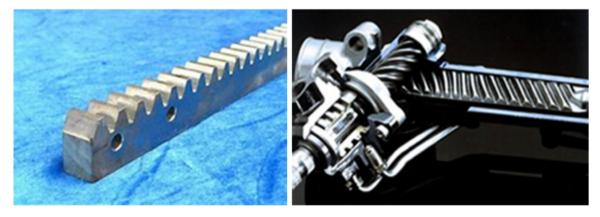


CASE STUDY 106 (NEAT OIL FOR HOBBING APPLICATION)

TRIAL CRITERIA

- 1. Less Heat Generation and low mist
- 2. No EHS Issues (Skin & eye irritation)
- 3. To reduce the cost of oil.
- 4. Need to achieve the required finish- Visual finish
- 7. Filtration : Magnetic chip conveyor
- 8. RPM : Depends on model
- Tool Carbide
- 10. Tool life : ~10 resharpening
- (Resharpening frequency : once in 500 No's)
- 11. Tool life : Depends on Material and part size
- 12. Existing product : XXXX XXX 335B





PRODUCT RECOMMENDED: HICUT 32 H

TRIAL CONCLUSION



No Heat generation – Low mist compare to existing product



No EHS Issues observed

Achieved Required finish – Good visual finish



No burn marks in finished parts



Hob life similar to existing - Overall Cost savings achieved - 5%