

CASE STUDY 68

(HIGH PERFORMANCE OIL FOR BUSH CURLING)



CUSTOMER DETAILS :

One of the leading industries in South India. Supplying timing chain to 4 wheeler industries and Roller chain to major auto manufacturers.



OBJECTIVES FOR CONDUCTING THE TRIAL

- Cost Reduction
- No EHS Issues (Skin & eye irritation)
- Need to achieve the required Tool Life and Oil sump Life

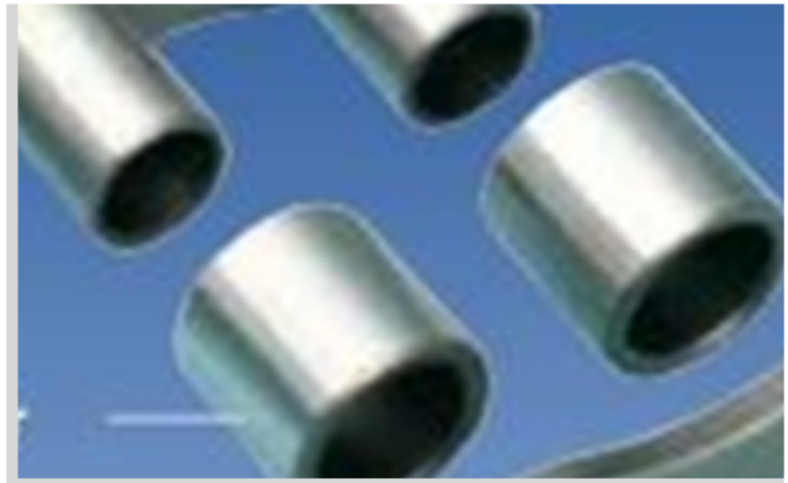


OPERATING / APPLICATION DETAILS:

1. Machine Make : Own Make
2. Component : Chain Roller
3. Material : SAE 1018 & 15 CRB
4. Size of the Components : Min 11 mm & Max 16 mm
5. Operation : Bush Curling
6. Tank capacity : 600 Ltrs
7. Machine output per hour : 3000 Components
8. Oil sump Life : 5.6 Cr Components
9. No of machines : 78 machines
10. No Similar operation in LGB : 4 plant
11. Trial Duration: 1 year



COMPONENT VIEW



PRODUCT RECOMMENDED: HIFORM 460

TRIAL RESULTS



☑ Trial Evaluation with the period of 12 months



Achieved required Tool Life



Achieved Oil sump Life



No EHS Issues observed



Cost saved ~10%