

CASE STUDY 15

(HONING OIL FOR BEARING INDUSTRY)



CUSTOMER DETAILS :

A leading manufacturer of bearing and allied products for automotive, textile and other industrial applications.



OBJECTIVES FOR CONDUCTING THE TRIAL

To get a better Surface finish and Material removal.



OPERATING / APPLICATION DETAILS:

1. Present Product: Competitor Product
2. Component: Bearing Rings
3. Material: SAE 51200 (harden grinded with 58-62 HRc)
4. Honing Stick: Sulphurized
5. Filtration: Paper and Magnetic Separator
6. Tank Capacity: 140 lits (flow rate 40 LPm)
7. Trial started on: Jan 2017 till date its running successfully



COMPONENT VIEW



PRODUCT RECOMMENDED: SUPERFIN 150 T

TRIAL RESULTS



Material Removal Rate improved by 2.5 u
Less smoke & Mist Formations
as compare to earlier product.



Surface Finish improved by 0.05 um