

CASE STUDY 20

(HONING OIL FOR CYLINDERS)



CUSTOMER DETAILS :

One of the largest suppliers of auto components like Brake cylinders, master cylinders in South India.



OBJECTIVES FOR CONDUCTING THE TRIAL

To increase sump life, good surface finish and no itching.



OPERATING / APPLICATION DETAILS:

1. Component: Auto Part (Brake cylinders / Master Cylinders)
2. Material: CI (Cast Iron)
3. Cycle time: 60 Secs
4. Operation: Honing (3 spindle Machines)
6. Machine Make: SPM
7. Tank capacity: 600 Ltrs
8. Existing Product: Competitor Product
9. Filtration: Paper Filter / Magnetic Roller



COMPONENT VIEW



Cylinders

PRODUCT RECOMMENDED: HICUT HONE CSF

TRIAL RESULTS



Achieved Required finish



No EHS Issues observed



Reduction in consumption cost by 10%



Enhanced sump life, since Less Tan Value observed after 5 month running (Tan values: Existing Competitor Product - 1.3, Hicut Hone CSF-0.46)