

CASE STUDY 95

(VERSATILE CUTTING COOLANT HICUT 6080 B (Z) FOR MULTI MACHINING OPERATIONS)



CUSTOMER DETAILS :

A company from Coimbatore is doing machining of Auto components (Brake drum, Drum Discs, etc.) for Major OEMS.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. Need to achieve the required finish –
Required finish: RA 0.6
2. Reduction in consumption cost
3. Good Rust protection
4. No EHS Issues (No Skin & eye irritation)



OPERATING / APPLICATION DETAILS:

1. Machine: BFW / Askar Microns
2. Operation: Multimachining
3. Tank capacity: 400 & 200 Ltrs
4. Filtration: Mesh Filter
5. Material: CI, Steel
6. Component: Brake Drums, Brake Discs Drum, etc
7. Cycle time: 120 Secs
8. Existing product: *** 130
9. Concentration Maintained: 5%
10. Daily topup Rate: 1:40



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT 6080 B (Z)

TRIAL RESULTS



Achieved required finish: Ra 0.4 Max



No EHS Issues observed



No foam or mist formation



Good Flush ability



Good rust protection on machined parts



Product performance is similar to existing and Overall Cost Savings achieved -7%