

CASE STUDY 37

(A VERSATILE CHLORINE AND BORON FREE CUTTING COOLANT : HICUT 6710)



CUSTOMER DETAILS :

A leading auto component manufacturer in South India, supplying to major OEM's and allied manufacturers .



OBJECTIVES FOR CONDUCTING THE TRIAL

1. To Achieve the required finish.Ra-0.66
2. No EHS Issues - Operator & Environmental Friendly.
3. To reduce the cost of oil.



OPERATING / APPLICATION DETAILS:

1. Machine-Tsugami - Make T caps
2. Tank capacity -120ltrs
3. Operation - Turning, grooving, boring.
4. Filter - Mesh filter Make M caps
5. Part - Shaft
6. Material -Forged steel. Make F caps
7. Cycle time -120secs
8. Coolant Conc : 4~ 5%
9. Sump life : 6 ~ 8 Months
10. Water used : DM water
11. Trial Evaluation : 2 months
12. ITW Biocool 100 P
13. Castrol Almeraedge 880



COMPONENT VIEW



Trial Part

PRODUCT RECOMMENDED: HICUT 6710

TRIAL RESULTS



Achieved better than required
finish.Ra-0.4



No EHS Issues observed - Operator &
Environmental Friendly.



Cost saved ~ 5 %