

CASE STUDY 23

(WATER SOLUBLE CUTTING COOLANT FOR ALUMINIUM)



CUSTOMER DETAILS :

One of the leading Pressure Die Casting / Gravity Die Casting Company in South India specialized in manufacturing of Diecasting components made of non ferrous metals such as Aluminium / Zinc alloys of different grades.



OBJECTIVES FOR CONDUCTING THE TRIAL

To see that no stains marks observed and good surface finish.



OPERATING / APPLICATION DETAILS:

1. Component: Auto Parts, Clutch & Brake lever, Clamps, Holder, etc
2. Material: AL- ADC 12
3. Cycle time: 35 Secs
4. Operation: Multiple operations
5. Machine Make: SPM
6. Tank capacity: 200 Ltrs
7. Existing Product: - Competitor Product
8. Concentration: 4 ~ 5 %
9. Filtration: Mesh Filter



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT 900

TRIAL RESULTS



Achieved Required finish



No EHS Issues observed



No stain marks or white rust in finished parts