

# CASE STUDY 104

## (INTRODUCTION OF FEROCLEAN N 405 CLEANER FOR COMPONENT CLEANING)



### PROFILE OF COMPANY:

Manufacturer for a variety of specialized and highly engineered solutions – Transfer Cases, Torque Couplers & Auto-locking Hubs (ALH), essential components for world's leading OEMs such as Tata Motors, Mahindra and Mahindra, Ford, Toyota and Ashok Leyland.



### TRIAL CRITERIA

1. Good Cleanliness with bright finish
2. Removal of burrs from the component including drilled and tapped holes
3. Removal of oil from the surface



### OPERATING/ APPLICATION DETAILS :

1. Machine make : R V Industries
2. Components : Case Transfer
3. Cycle time : 2 Minutes
4. Operation : Final Washing
5. Soil to remove : Cutting coolant and burrs
6. Concentration : 2-3%
7. Bath Temperature : 54 to 60 °C
8. Oil Skimmer : Effective
9. Water Quality : Corporation water (Hardness & Chlorides within Limits)
10. Tank Capacity : 350 Ltrs.
11. Material Grades : Aluminium Alloy-UNS A03800/LM24
12. Pre-Operation : Drilling and tapping (Water soluble cutting coolant)



### COMPONENT DETAILS



**PRODUCT RECOMMENDED: FEROCLEAN N 405**

## TRIAL CONCLUSION



Good Cleanliness without oil residues on components



All the burrs are getting removed



Technical assistance on application & machine parameters side to enhance the performance



Feroclean N 405 is running excellent at 2.8% concentration



Customer is satisfied with the results achieved.