

# CASE STUDY 102

## (INTRODUCTION OF FEROCLEAN N 405 CLEANER FOR ALUMINUM 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 4WD/ AWD vehicles.



### 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: RV 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 wate (Hardness & Chlorides within Limits)

10. Tank Capacit: 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.