

CASE STUDY 25

(FEROCLEAN N404 : USE OF ENVIRONMENT FRIENDLY NEUTRAL CLEANER FOR BETTER CLEANABILITY)



CUSTOMER DETAILS :

The Company specializes in manufacturing graded Cast Iron and SG Iron Automotive Components such as brake drums, fly wheels, Brake Discs, Cylinder Head and Housing.



OBJECTIVES FOR CONDUCTING THE TRIAL

- To reduce overall cost of the cleaner.
- To achieve required cleaning.
- No EHS Issues - Operator & Environmental Friendly.



OPERATING / APPLICATION DETAILS:

- Application: Washing
- Component: Mahindra- Housing of Cast iron & SG iron.
- Machine: In House
- No of Machines: 02
- Tank Capacity: 300 Ltr (Manual Tank) + 500 Ltrs (M/c Tank)
- Operating Concentration: 2.5% to 5%
- Apply Method: Dipping and rubbing in manual tank and by nozzle spray in M/c tank
- Daily Top up Water: 30 Ltr + 50 Ltr
- Required Millipore Value: 250 mg
- Temp of Emulsion: 55 to 60 Deg C
- Filtration: Paper filter available in M/c Tank
- Cleaning frequency: 7 to 14 days.
- Previous and Existing product: Aquaflash



COMPONENT VIEW



PRODUCT RECOMMENDED: FEROCLEAN N404

TRIAL RESULTS



Achieved Better Millipore Value in comparison to existing product (80 mg to 120 mg)



No EHS Issues observed - Operator & Environmental Friendly.



Cost saved by 10%. Due to lower concentration of bath.