

CASE STUDY 60

(USE OF ALKALINE CLEANER FOR REMOVING HIGH VISCOSITY QUENCHING OIL)



CUSTOMER DETAILS :

One of the leading exporters, manufacturing automotive transmissions and components.



OBJECTIVES FOR CONDUCTING THE TRIAL

To improve cleanability in Pre & Post Heat Treatment washing using FEROCLEAN A 118.



OPERATING / APPLICATION DETAILS:

1. Parts: Gears & Shafts
2. Soil to be Cleaned: Medium & High Viscosity Hot Quenching Oil
3. Washing machine make: ACHELIN UNITHERM
4. Concentration of media: 3% in Chamber 1 & 0.5% in Chamber 2
5. Tank size: 6000 ltr each
6. Nozzle pressure: 3 Bar

| Chamber 1 – Post wash Process Cycle | Chamber 2 – Post wash Process Cycle |
|-------------------------------------|-------------------------------------|
| Agitation: 15 mins | Spraying: 20 mins |
| Oil Settling: 5 mins | Oil diversion: 2 mins |
| Oil diversion: 3 mins | Dripping: 3 mins |
| Spraying: 20 mins | Nozzle Cleaning: 3 mins |
| Dripping: 3 mins | Dehumid: 1 mins |
| Nozzle Cleaning: 1 mins | Drying: 1 mins |
| Dehumid: 5 mins | Waiting: 5 min |
| Drying: 2 mins | |



COMPONENT VIEW



PRODUCT RECOMMENDED: FEROCLEAN A 118

TRIAL RESULTS



Excellent post HT cleanability



Good temporary rust prevention



Improved aesthetics