

# CASE STUDY 91

(COST ECONOMICAL METAL CLEANER )



## CUSTOMER DETAILS :

Leading commercial heat treater of auto components in western india.



## OBJECTIVES FOR CONDUCTING THE TRIAL

1. Good cleanability & without oily parts
2. To reduce heating cost



## OPERATING / APPLICATION DETAILS:

1. Machine make: Thermal Engineering
2. Component: Gears & shaft
3. Cycle time: 30 minute
4. Operation: post Washing
5. Concentration: 3 to 4%
6. Bath temperature: 45 to 60 deg C.
7. Oil Skimmer: Effective
8. Water Quality:
9. Hardness: below 64 ppm
10. Tank capacity: 4500 liters
11. Materia: Steel
12. Spray Pressue: 3 to 5 bars
13. Preoperation: Heat Treatment
14. pH: 9- 9.5
15. Filtration: No
16. Chloride: below 30 ppm



## COMPONENT VIEW



PRODUCT RECOMMENDED: HICLEAN L- 5070

## TRIAL RESULTS



Getting oil free parts with good cleanability no residue of oil on parts



Good demulsification



Heating cost minimized by reducing 20 Deg temp against previous



Customer approved product performance