

# CASE STUDY 16

## (HOT FORGING LUBRICANT)



### CUSTOMER DETAILS :

One of the leading transmission manufacturing companies manufacturing high volume Auto, Electrical & Transmission forged components



### OBJECTIVES FOR CONDUCTING THE TRIAL

To achieve good die life, less die polish and good surface finish



### OPERATING / APPLICATION DETAILS:

1. Press - Smeral Press
2. Load: 1600 Tons
3. Component: Auto Parts
4. Material: Steel
5. Operation: Hot forging
6. Machine Make: SPM
7. Billet Temperature: 1100 DegC
8. Die Temp: 250 ~ 300 Deg C
8. Die life: 8000 Numbers
9. Filtration: Mesh Filter
10. Die Polish : 1000 ~ 4000 Numbers once
11. Die Material : D2
12. Existing Product : Competitor Product
13. Mixing Ratio : 1:15
14. Application : Manual Spray



### COMPONENT VIEW



Auto Parts

**PRODUCT RECOMMENDED: HILUBRIC FW 02**

## TRIAL RESULTS



Achieved required finish



Achieved required die polish & die Life