CASE STUDY 31
(USE OF HOT FORGING LUBRICANT TO INCREASE DIE LIFE)

CUSTOMER DETAILS:
A company manufacturing different forging components like axles, connecting rods and bell crank lever.

OBJECTIVES FOR CONDUCTING THE TRIAL:
1. To increase die life and reduce overall cost.
2. To reduce the polishing frequency of die.

OPERATING / APPLICATION DETAILS:
1. Machine : NKH Hammers
2. Tonnage: 1000 Tons
3. Tank Capacity : 300 Lts
4. Part : Axles (Body -130)
5. Material : Steel
6. Application : Forging
8. Dilution Retion : 1:10
9. Billet Temperature: 1100 +/- 50 Deg C
10. Die Temp: 150 to 200 deg C
12. Trial period : 15 Days

COMPONENT VIEW

PRODUCT RECOMMENDED: HILUBIRC FW 02

TRIAL RESULTS

- Good Component Finish was observed
- Increase Die Life by 5.4 %
- No severe die cavity was observed after 3000 components.