

# CASE STUDY 127

## [HOT FORGING LUBRICANT FOR CRITICAL COMPONENTS]



### CUSTOMER DETAILS:

One of the largest hot forging component manufacturers from West- Central Maharashtra, producing forgings for the auto industry, earth moving equipment's.



### OBJECTIVE FOR TRIAL:

- 1 To reduce the cost of forging lubricant
- 2 Good surface finish
- 3 No sticking, under filling issue
- 4 No peel-off problem after shot blasting



### OPERATING/ APPLICATION DETAILS:

Name of Press	- NATIONAL 1600 MT Press
Job	- BEARING CARRIER
Job Material	- EN8DM
Job Weight	- 2.31 Kg
Billet Temperature	- 1220°C
Die Temp after spray	- 150°C
No. of Forging Steps	- 2
Present Product	- XXXXXXXX 5000 plus
Dilution Ratio	- 1:10

**PRODUCT RECOMMENDED: HILUBRIC FW 05 S**



### COMPONENT DETAILS



## TRIAL RESULTS



Quality of components ok



No die sticking



Die Temperature was maintained



Less smoke



Dilution ratio 1:10



Cost saving of 7-8 %