

CASE STUDY 130

[SYNTHETIC HOT FORGING LUBRICANT FOR GEAR COMPONENTS]



CUSTOMER DETAILS:

One of the largest hot forging component manufacturers from Pune, producing forgings for the auto industry.



OBJECTIVE FOR TRIAL:

- 1 To reduce the cost of forging lubricant
- 2 Stamping should be good
- 3 No smoke and smell
- 4 Clean liquid without any skin irritation



OPERATING/ APPLICATION DETAILS:

Name of Press	- Ratan 3 Ton hammer
Job	- Gear
Job Material	- Steel various grades
Job Weight	- 18-19 Kg
No. of Forging Steps	- 1
Present Product	- XXX XXX 600
Dilution Ratio	- 1:7.5

PRODUCT RECOMMENDED: HILUBRIC FW-NG 35 M



COMPONENT VIEW:



TRIAL RESULTS



Part release
was ok



No smoke and
smell



Stamping was
good



Clean liquid



Dilution ratio
1:7.5



Cost saving
of 6-7 %