

CASE STUDY 124

[HOT FORGING LUBRICANT FOR HOT FORGING INDUSTRY]



CUSTOMER DETAILS:

One of the leading automotive components manufacturer in western India.



OBJECTIVE FOR TRIAL:

1. To reduce the cost of forging lubricant
2. Need to achieve the required finish - Visual finish



OPERATING/ APPLICATION DETAILS:

Machine Make	- 1250 T
Component	- Connecting Rod
Material	- Micro Alloy Steel
Component Weight	- 1.3 kgs
Dilution Ratio	- 1:12
Sprayer Type	- Manual
Billet Temp	- 1200 to 1230 deg C
Die Temperature	- Before spray 150 deg C & After spray – 110 deg C
Present product	- XXXXXXXXXXX XXXX XXXXX 801



COMPONENT VIEW



HILUBRIC FW 09

TRIAL RESULTS



Finish was ok



No catching issue



No settling of graphite observed on die surface



Overall Cost savings achieved – 5-6 %