

CASE STUDY 51 (A VERSATILE FORGING LUBRICANT)



CUSTOMER DETAILS :

A company in Punjab a leading manufacturer of gear and allied components like bull gears, crown wheel & tail pinion, speed gears, hollow and spined shafts, etc. Major clients are M&M, Catterpillar, John Deer, Eaton, Class, etc.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. To improve the die life.
2. To reduce the cost of forging lubricants.

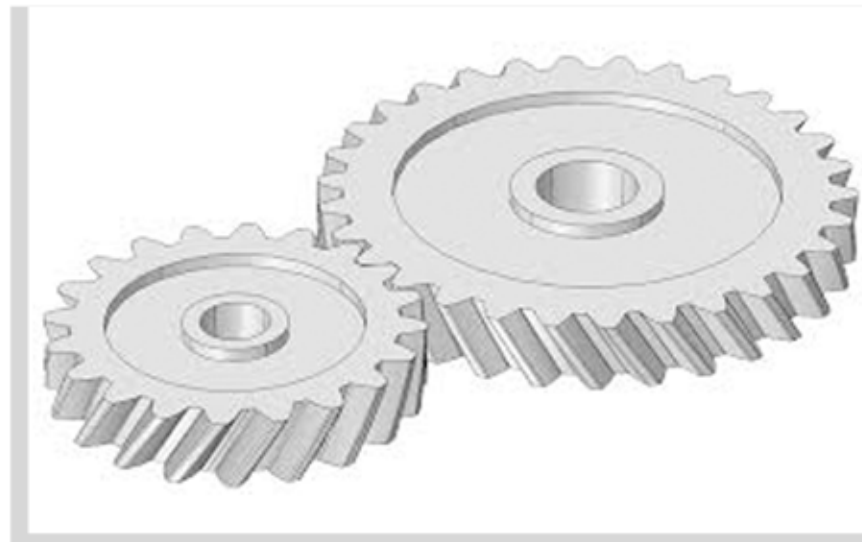


OPERATING / APPLICATION DETAILS:

1. Machine : Forging hammer (Rattan Make)
2. Mixer tank Capacity : 100 Ltrs
3. Part : Gear , outer dia – 325 mm
4. Material : Steel- 20 MnCr5
5. Application : Forging
6. Cycle time : 4 Minutes
7. Tool – Hammer
8. Concentration- 10 %
9. Die Life- 200 pcs.
10. Trail Evaluation – 1 months



COMPONENT VIEW



PRODUCT RECOMMENDED: HILUBRIC FW02

TRIAL RESULTS



Improvement in die life observed.



Improved cost economic.