

CASE STUDY 52

(A CHLORINE AND BORON FREE SEMI-SYNTHETIC COOLANT)



CUSTOMER DETAILS :

A leading manufacturer of two and four wheeler components for tractors, agricultural & industrial machinery and other engineering appliances.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. Quality product with cost economics
2. No foaming, itching and smell issues
3. Extended sump life
4. Versatile products can be used for steel, Al & brass machining

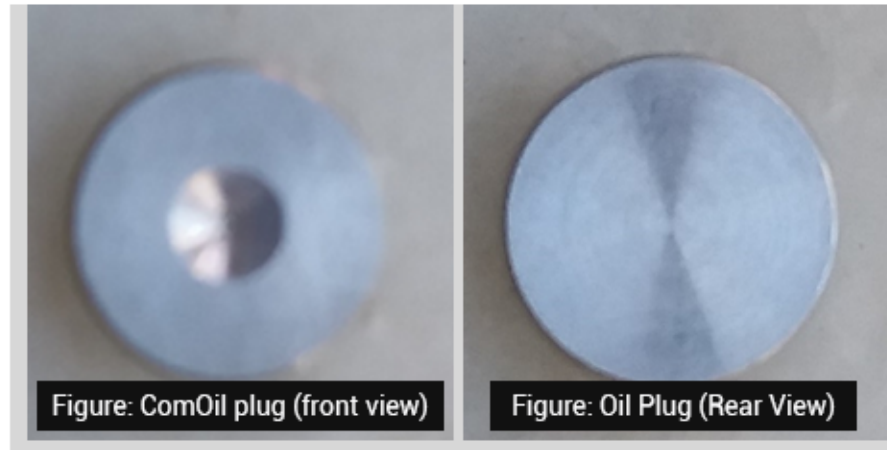


OPERATING / APPLICATION DETAILS:

1. Machine : LMW cnc machine
2. Tank Capacity : 200 lts
3. Part : Oil plug of royal enfield, dia – 12 mm
4. Material : Steel, aluminium grade 6082 TF (HE30)
5. Application : Turning & centering
6. Cycle time : 60 secs
7. Tool – Turning & centering
8. Filtration : Conventional wire mesh filtrations
9. Initial Charging : 5%
10. Chiller unit : Not available
11. Depth of cut : Up to 1.00 mm
12. Trial Evaluation – 2 months



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT 6710

TRIAL RESULTS

✓
Product working satisfactorily
for Al, brass & steel machining

✗
No foaming, smelling & itching issues

₹
Direct saving of 25% achieved in
comparison to Blossocut 4000