

CASE STUDY 4 (SEMI-SYNTHETIC CUTTING FLUID)

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CUSTOMER DETAILS :

A subsidiary of a multinational company manufacturing and supplying driveshafts to Original Equipment Manufacturers in the Indian automobile industry.

OBJECTIVES FOR CONDUCTING THE TRIAL

- a) To reduce Foaming
- b) To address EHS concern (skin itching/ Smell issue)
- c) To meet the existing quality requirements

Correcting / Application Details:

- Machine Make: Meccanodora
- Tank capacity: 800 Ltrs
- Component: Tripod
- Material: Cast Iron
- Depth of cut: 320 Microns
- Existing Product: Competitor Product
- Water: DM water (Hardness < 5 ppm, Cl < 10 ppm, pH: 6.5)
- Operation: Surface Grinding
- Grinding Wheel: CBN
- Concentration Maintained: 3 ~ 5 % pH: 9
- Wheel Rpm: 1000 ~1600
- Dressing Frequency: 5 No's once
- Filters: Paper filter- 40 GSM
- Ra Required: 0.6 Ra
- Trial Period: 3 months





PRODUCT RECOMMENDED: HICUT 6080 B

Tripod



per component