

# **CASE STUDY 82**

#### HIGH PERFORMANCE NEAT OIL FOR BROACHING INTERNAL RINGS



### **CUSTOMER DETAILS:**

Customer is global leader in the power transmission industry & manufacturing the gear motors, drive systems and planetary gearboxes to satisfy needs for industrial processes, automation, mobile and renewable energy.



### **OBJECTIVES FOR CONDUCTING THE TRIAL**

- Need to achieve the required finish RI :< 3.2 max</li>
- 2. Reduction in consumption cost
- 3. No EHS Issues (No Odour, Skin & eye irritation)
- 4. Good flushing properties



## **OPERATING / APPLICATION DETAILS:**

- 1. Machine- Tasa Micron / Crane Bel, etc.
- 2. Operation Internal broach (3stages)
- 3. Tank capacity -1800ltrs
- 4. Material-steel.
- 5. Component Internal rings / tooth rings
- 6. Size -Dia 300 to 380mm

- 7. Broach tool- Asp20-30
- 8. Broach force 450 to 800 KN.
- 9. Broach tool life Depends on model ( will vary )
- 10. Cycle time up to 120secs
- 11. Filtration Magnetic chip conveyor (chip wringer is available for oil recovery)
- 12. Chiller Available, Maintained at 27°C
- 13. Existing product: XXX 960/4E







PRODUCT RECOMMENDED: ISOCUT 960/36











