

# **CASE STUDY 86**

#### (SOLUBLE CUTTING OIL FOR ALUMINIUM AUTO COMPONENTS)



#### **CUSTOMER DETAILS:**

A company from South India who is one of the leading manufacturers of auto components for major OEMS.



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

- 1. Need to achieve the required finish Visual finish
- 2. Need to achieve the tool life ( Tap life- 4000 No's)
- 3. No stains in machined parts
- 4. Reduction in consumption cost
- 5. No EHS Issues ( No skin & eye irritation )



### **OPERATING / APPLICATION DETAILS:**

1. Machines: AMS

2. Operation: Multiple machining

3. Tank capacity: 300 Ltr

4. Part: Pump Housing

5. Material: AI, ADC 12

7. Tools: Carbide & HSS material

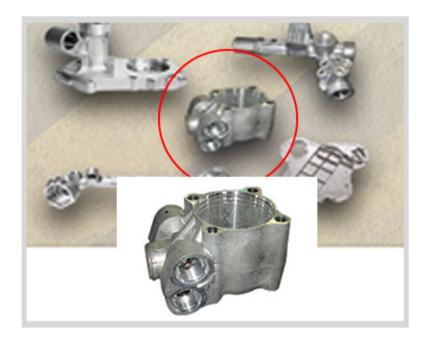
8. Filtration: Chip conveyor, Drum filter

9. Existing product: Molygraph-Smoothkut SO 7100

10. Concentration: 5%

11. Cycle time: 10 ~15 mins





**PRODUCT RECOMMENDED: HICUT 900** 

## **TRIAL RESULTS**



