

# CASE STUDY 57

## (A VERSATILE SEMI-SYNTHETIC COOLANT)



### CUSTOMER DETAILS :

A world renowned gear manufacturer manufacturing geared motors, gearboxes and drive assemblies.



### OBJECTIVES FOR CONDUCTING THE TRIAL

- To reduce consumption
- No Smelling & Rusting on components
- Long Sump life



### OPERATING / APPLICATION DETAILS:

- Machine: Mazak make VTC 200C
- Present Coolant: Apar make Synthcut S 25
- Water Quality: D M Water
- Tank Capacity: 300ltrs
- Part: Reducing gear box parts
- Material: Grey Cast Iron
- Application: Drilling, Tapping
- Cycle time: Depend on Materials / Job requirement
- Tool: Depending on operation
- Filtration: NA
- Chip Conveyor: Available
- Chiller unit: Not Available



### COMPONENT VIEW



**PRODUCT RECOMMENDED: HICUT BIO 150**

## TRIAL RESULTS



Trial continued for 3 months



Found no smelling



Reduced coolant top up ratio (1.8% against the competitor - 2.5%)



Good Rust protection



Extended sump life