

CASE STUDY 40

(A VERSATILE SEMI-SYNTHETIC COOLANT FOR MACHINING OF ROTORS)



CUSTOMER DETAILS :

One of the largest and most reputed manufacturers of Electrical Steel Laminations, Motor Cores, Sub-Assemblies, Die-Cast Rotors and Press Tools in Hyderabad.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. To achieve the required finish. (Visual Finish)
2. No EHS Issues - Operator & Environmental Friendly.
3. To reduce the cost of oil.



OPERATING / APPLICATION DETAILS:

1. Machine : Hyundai Wia
2. Tank Capacity : 400
3. Part : Motor Frame barrel, Rotors
4. Material : Steel
5. Application : Multiple Operations
6. Cycle time : 2 hrs 30 mins
7. Tool – Carbide & HSS
8. Filtration : Chip conveyor
9. Conc. Maintained : 4~5%
10. Trail Period: 2 months



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT 6080B

TRIAL RESULTS



Achieved the required visual finish.



No EHS Issues observed - Operator & Environmental Friendly.



Total Cost saved: 10%