

# CASE STUDY 88

(SEMI SYNTHETIC COOLANT FOR HYDRAULIC HOSE CONNECTOR)



## CUSTOMER DETAILS :

One of the leading manufacturer of Thermoplastic, Rubber Hydraulic, PTFE and Industrial hose in South India catering International and Indian customers.



## OBJECTIVES FOR CONDUCTING THE TRIAL

1. Need to achieve the required finish – visual finish
2. Reduction in consumption cost
3. Good rust protection
4. No EHS Issues ( No skin & eye irritation )



## OPERATING / APPLICATION DETAILS:

1. Machine: ACE
2. Operation: Multimachining
3. Tank capacity: 200 Ltrs
4. Filtration: Mesh Filter
5. Material: Steel
7. Component: Hydraulic Hose connector
8. Cycle time: 90 secs
9. Existam product: XXX 780
10. Concentration: 5%
11. Daily topup Rate: 1:40 ~1:60
12. Carbide and HSS drill



## COMPONENT VIEW



**PRODUCT RECOMMENDED: HICUT BIO 120**

## TRIAL RESULTS



Achieved required finish: Good Visual



After phosphating no quality issues



Tool life similar to existing



No EHS Issues observed



No foam or mist formation



Good Flush ability



Good rust protection on machined parts



Overall cost savings achieved -5%