

CASE STUDY 8

(NEAT CUTTING OIL FOR DEEP HOLE DRILLING)



CUSTOMER DETAILS :

A Company having an immense expertise in supplying machined automobile parts, brake accessories, under chasis components for volvo vehicles.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. To address the existing issues like Smoke, Job heat up with the current oil
2. To reduce consumption and increase sump life



OPERATING/ APPLICATION DETAILS:

- Machine Make : Glide Master
- Tank capacity : 600 Ltrs
- Component : Wheel cylinder
- Material : Cast Iron (CI)
- Operation : Boring , Drilling, Reaming, Grooving
- Drill Bit : Carbide & SS
- Drill bit Rpm : 1300
- Filters : Screw Conveyors
- Trial Period : 3 months



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT N 107 S

TRIAL RESULTS



Heat reduction due to better
EP properties



Less smoke &
Mist Formations



Reduced carryover
loss through chips



Reduced Consumption
by 11ml / Component



CPC reduced to
Rs. 0.38 / Component