

CASE STUDY 17

(WATER SOLUBLE CUTTING FLUID)



CUSTOMER DETAILS :

A leading manufacturer of automotive wheels



OBJECTIVES FOR CONDUCTING THE TRIAL

To reduce consumption, good surface finish and no itching.



OPERATING / APPLICATION DETAILS:

1. Machine: SPM - 3 Stage rolling
2. Part - Tractor wheel rim
3. Material - high carbon steel
4. Operation : roll forming (I&II)
5. Conc. maintained: 10%
6. Existing product - Competitor Product
7. Die RPM - 145
8. Die material - D2 grade
9. Per day production - 1200-1300 numbers
10. Per day consumption - 10-13 ltrs (trial machine)
11. Tank capacity -600 ltrs
12. Filtration: Paper band & Magnetic roller



COMPONENT VIEW



Wheels

PRODUCT RECOMMENDED: HICUT 560 H

TRIAL RESULTS



Achieved required finish



No EHS Issues observed



Reduction in consumption, Daily Top up Ratio Existing -1:20, our Hicut 560H - 1:40