

CASE STUDY 36

(LOW VISCOSITY HONING OIL FOR LINERS)



CUSTOMER DETAILS :

A manufacturer of cylinder liners supplying to original equipment manufacturers and after market.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. To reduce cost
2. No EHS Issues (Skin & eye irritation)
3. To achieve the required finish –Ra – 0.8 & improvement in visual appearance



OPERATING / APPLICATION DETAILS:

- | | | | |
|-----------------|----------|------------------|----------------------------------|
| 1. Machine Make | : Nagel | 5. Tank capacity | : 200 Ltrs |
| 2. Component | : Liners | 6. Tool | : Honing Sticks –Carbide and CBN |
| 3. Material | : CI | 7. Filtration | : Paper Filter /Magnetic Roller |
| 4. Operation | : Honing | | |



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT HONE 5

TRIAL RESULTS



Achieved better than required finish Ra-0.6



No EHS Issues observed



Good rinsing properties



Better visual finish as compared to earlier product.