

CASE STUDY 47

(A HIGH PERFORMANCE DIE-FACE LUBRICANT)



CUSTOMER DETAILS :

One of the largest die caster in Asia producing aluminum die casting components for two and four wheeler OEM's



OBJECTIVES FOR CONDUCTING THE TRIAL

- To improve surface finish.
- To reduce the cost of oil



OPERATING / APPLICATION DETAILS:

- Machine: High Pressure Die Casting, HMT, LK, Buhler and Yizumi Brand
- Machine Locking Force: 400 Ton- 1400 T
- Part: Crank Case, Crank case cover, Case transmission and Gear box
- Dilution Ratio: 1:100
- Spray Time: 8 to 15 Sec
- Anti-Soldering Paste: No
- Material: ADC-12, LM-24
- Application : Spraying
- Application mode: Both- Manual spray and Auto spray
- Die Temp: 225-250°C (Before Spray), 185-210°C (After Spray)
- Die life: 1 to 1.5 lacs components
- Surface Finish: No stain marks acceptable
- Trial Evaluation – 1 month



COMPONENT VIEW



PRODUCT RECOMMENDED: HILUBRIC L 4185

TRIAL RESULTS



Achieved bright surface finish



Cost saved by 10 %