

CASE STUDY 92

(USE OF LV OILS IN BEARING ROLLERS)



CUSTOMER DETAILS:

Company is leading manufacturer of taper roller manufacturer and supplying to major Swedish and Indian OEMS



OBJECTIVES FOR CONDUCTING THE TRIAL

- To increase hardness and microstructure more than 90% martensite
- 2. To control distortion



OPERATING / APPLICATION DETAILS:

1. Furnace: Simplicity 350kg/Hr

2. Application: Quenching

3.Component: Tapwe rollers

4. Material: SAE 52100

5. HPPL Product: Hiquench ISX17LV

6. Competition Product: *** 42

7. Case depth: 1-1.1 mm

8. Hardness required: 60-63 BHN for Forged steel & 65-70 BHN for Cast Iron

9. Tank Size: 8000 Ltrs
10. Trial period: 1 Month





PRODUCT RECOMMENDED: HIQUENCH ISX 17LV

TRIAL RESULTS





