

CASE STUDY 65

(HIGH PERFORMANCE PILGERING OIL)



CUSTOMER DETAILS :

The company manufactures seamless and welded tubes and pipes having a capacity of 12,000 MT per annum.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. Need to achieve appropriate lubricity during pilgering process.
2. To reduce the consumption of oil.
3. To reducing the cost of oil.
4. To increase the mandrel life.



OPERATING / APPLICATION DETAILS:

1. Operation- Cold Roll Pilgering
2. Material- Stainless Steel
3. Machine Make- Kushan Yondeli Machinery - LG30-H cold rolling mill
4. Dia of rough pipe-22-48 mm
5. Dia of finished product-19- 32 mm
6. Thickness of wall of rough pipe- 2-4.5 mm
7. Thickness of wall of finished product-1.2-3 mm
8. Power-55 kw
9. Tank Size-2500 lts (Common tank for 2 pilgering machines)
10. The size of rolling machine-40000mm (L) * 1800 mm (W) * 1500 mm (H).
11. Heat Exchanger- YES
12. Maintenance- Every 1 year complete change of oil with tank cleaning
13. Competitor Product Replaced - XXX 81



COMPONENT VIEW



PRODUCT RECOMMENDED: HIFORM 100

TRIAL RESULTS

Trial Evaluation with the period of 1 Week, with daily monitoring



Stain free component



Overall Cost benefit up to 8%



Low inventory