

Chain Reliability Program



SUMMARY

Industry: Fish Food Processing Facility
Asset: Simatex 0631
Product: Chesterton 601 Chain & Bushing Lubricant



MAINTENANCE HISTORY

- Chains in this location had been lubricated once a week with Inox Food Grade Chain Lubricant.
- 3-4 litres of Inox product was used on both chains during weekly lubrication sessions.
- The process was conducted by two people taking one hour.

CHESTERTON 601 TRIAL

- The Lubrication product trial commenced using Chesterton 601 Chain & Bushing Lubricant.
- The chain was contaminated by the environment prior to application.
- The initial application required 400ml per chain. Based on results of the first weekly inspection, lubrication was conducted every second week.

COST BENEFIT ANALYSIS

Cost of lubrication over 12 months

- Using Inox - \$2,496.00
- Using Chesterton 601 - \$278.00

Cost of labour over 12 months

- Using Inox - \$3,120.00
- Using Chesterton 601 - \$1,560.00

Proposed Cost Benefit over 12 months - \$3778.00

CONCLUSION & RECOMMENDATIONS

- Chains are now running free of contamination.
- The time between each lubrication application is recommended to be 3 weeks.
- It is recommended that amperage measurements be ongoing to ensure optimum performance of the lubricant and for maximum energy saving to be realised.
- It should be noted that the cost of lost production not be factored into this Cost Benefit Analysis.
- Customer advised downtime cost \$7,000 per hour.