Engineered Wood Canada
Sharp 60’Chain Conveyor system
Castrol LubeCon series 1-M

THE SITUATION

Castrol was challenged to arrest chain wear and reduce chain oil consumption.

BEFORE

- A competitor product was used on the Sharp chain conveyor. The system was not monitored by the supplier.
- 82.5 gallons of chain saw oil consumed per month.
- Chain was heavily contaminated with saw dust.
- Chain was being replaced every 6 months.
- Daily reservoir top-offs

AFTER

• Castrol installed a LubeCon chain lubrication system utilizing Castrol LubeCon Series 1-M lubricant.

• 10 gallons of Castrol LubeCon Series 1-M consumed per month.

• Less saw dust contamination noted on chain.

• Chain has been in service for 10 months with additional months of chain life expected.

•Weekly reservoir top-offs.

THE SOLUTION

- **Right product for the right application**
- **The chain lubrication system is monitored by Castrol’s LubeCon Technical Sales representative.**

An 87% reduction was achieved by converting to a LubeCon chain lubrication system and Castrol LubeCon Series 1-M chain oil.

Spend before Castrol

•Chain replacement cost: $8,000.00
•Two chain replacements per year = $16,000.00
•Labor costs to replace two chains = two men at $54.00 per hour X 4 hours = $432.00 X 2 = $864.00 per year.
•Oil usage = 990 gallons per year = $5,400.00

Total annual cost: $22,264.00

Spend after Castrol

•Castrol LubeCon system: $1,670.00 per year for 3 years.
•Assumed annual chain replacement: $8,000.00
•Labor costs to replace one chain = two men at $54.00 per hour = $432.00
•Oil usage = 120 gallons per year = $4,320.00

Total annual cost: $14,422.00

Total cost savings per year for one chain: $7,842.00

Additional non-measurable savings
•Regular onsite Castrol technical support to ensure control of cost and program success.
•Castrol's turnkey lubrication system and installation.
•Data collection to identify potential process problems.