

Wheel manufacturing USA

Flight Chain Lubricators

Castrol LubeCon Series 1M-200



THE SITUATION

Due to the plants extremely tough manufacturing environment standard lubrication equipment was not performing. The flight lines that are being lubricated were having fire issues near the pour station. It was found that the piping for lubrication was leaking due to damage when the pits and motors were accessed. The lubricant, gear oil and rice kernel mix would catch fire when sparks from the ladles or pieces of the pouring tubes would get in the pit. This would destroy both Griffin Wheel and LubeCon equipment, causing delays in production and requiring equipment replacement.

BEFORE

Equipment was located at the drive end of the flight conveyors. This location caused issues due to it's proximity to the pouring station. The lubrication lines were also being damaged due to it being in the same area needed for drive maintenance.

AFTER

Equipment was relocated to the tail end of flight conveyors and replaced with heavy duty valves, braided stainless steel lubrication lines, and individual line shutoffs. An additional reservoir was added to prevent multiple lines from going down at once.

THE SOLUTION

Castrol LubeCon and Griffin Wheel worked together to design and locate a new heavy duty lubrication system that has reduced down time and equipment damage.

CASE STUDY

YOUR ADVANTAGE IN AN INDUSTRIAL WORLD



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TOTAL COST SAVINGS

COST OF MANPOWER:

Skilled Trades: 3 persons @ 25.00/hr

Labor: 13 persons @ 20.00/hr

Lost Manpower Cost: \$335.00/Hr

Total Lost Time: 2 Shifts @ 8 hours each = 16 hours

Total Cost for Lost Time: $\$335 \times 16\text{hr} = \underline{\$5,360}$

-Manpower Costs (\$5,360) + Est. Parts + Est. Supervisory Costs + Est. Production	\$25,000
-One time cost of parts and labor to relocate and rebuild Flight Chain Lubricators	<u>-\$8,207</u>
	\$16,793

Estimated Total Savings: \$16,793

Additional non-measurable savings

- Regular onsite Castrol technical support to ensure control of cost and program success.
- Castrol's turnkey lubrication system and installation.
- System inspection visits and reporting to Griffin Maintenance.
- Reduced Volume of Lubricant use.

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