

Powder Coating USA Powder Paint Line Conveyor Conveyor Maintenance



THE SITUATION

Facility was contemplating changing out the powder paint line chain due to the age of chain and the possibility of limited service life.

BEFORE

- The paint group recommended replacing the powder paint line chain because it was old and dirty.
- It was thought that the chain was worn out from length of service.
- The cost to replace this chain and labor amounted to \$20,500

AFTER

- Castrol installed a chain wear monitor system to determine the amount of links that were worn.
- The monitor service took approximately 4 hours and the cost was \$736.00
- After the results were calculated it was determined that less than 1% of the chain links were worn enough to require replacement.
- The chain wear monitor system determined what links needed to be replaced and a detailed report was generated.

THE SOLUTION

- **A proactive system was utilized by Castrol to eliminate a costly chain replacement.**
- **The chain lubrication system is monitored by Castrol's LubeCon Technical Sales representative every 60 to 90 days.**
- **LubeCon Series 1. Using the right product for the right application provides years of useful service.**

CASE STUDY

YOUR ADVANTAGE IN AN INDUSTRIAL WORLD



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A \$19,764.00 cost savings was achieved by enlisting the services of the chain wear monitor.

Chain replacement cost: \$15,000.00

Chain monitor system service: \$736.00

Cost in labor to replace chain: \$5,500

Total spend on replacing chain: \$20,500.00

Cost savings achieved: \$19,764.00

Additional non-measurable savings

- Regular onsite Castrol technical support to ensure control of cost and program success.
- Printed factual proof of wear points.
- A documentation of predictive maintenance with an annual use of the chain wear monitor.
- Data collection to identify potential process problems.

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