

Gypsum manufacturer USA

12 deck oven chain lubrication

LubeCon Series SYN-150

Annual Savings: \$42,965



THE SITUATION

Castrol was challenged to reduce chain lubricant consumption while providing maximum protection to the chain links.

BEFORE

- Two separate chain lubrication systems were utilized on the kiln.
- One system lubricated the chains on the in feed section and the second system lubricated the chains on the out-feed section.
- Castrol LubeCon Series 1M-200 was consumed at a rate of 24.75 gallons per day.

AFTER

- Castrol installed two new lubrication systems and positioned them at the out-feed section of the kiln. One system lubricates the top 6 decks, while the second system lubricates the bottom 6 decks.
- Castrol LubeCon Syn-150, high temperature full synthetic chain lubricant, is applied at a rate of 3.72 gallons per day.
- Reduction of chain residue (visual)
- 85% reduction in lubricant consumption
- 9% reduction in drive amperage
- 43% annual lubricant cost reduction

THE SOLUTION

- Castrol LubeCon SYN-150 high temperature synthetic chain lubricant was introduced to: reduce VOCs and residue forming characteristics, and increase chain life.
- The chain lubrication system is monitored by Castrol's LubeCon Technical Sales representative via weekly system inspections.

CASE STUDY

YOUR ADVANTAGE IN AN INDUSTRIAL WORLD



FOR CASTROL AND CASTROL CUSTOMER USE ONLY. OTHER USES PROHIBITED. DO NOT FORWARD OR DUPLICATE.

Cost Savings

Previous conditions

Lubricant: Castrol LubeCon Series 1M-200

Consumption based on (4) five-day work weeks per month

Monthly lubricant usage: 495 gallons.

Daily usage: 24.75 gallons

Monthly cost to lubricate the kiln chains: \$8,302.41

Current conditions

Lubricant: Castrol LubeCon SYN-150

Consumption based on (4) five-day work weeks per month

Monthly lubricant usage: 74.4 gallons

Daily usage: 3.72 gallons

Monthly cost to lubricate the kiln chains: \$4,721.92

Estimated Annual Savings: \$42,965

Additional non-measurable savings and cost avoidance	
Extended chain life	TBD
Reduction of drive amperage	TBD
Regular onsite Castrol technical support to ensure control of cost and program success	TBD
Castrol's turnkey lubrication system and installation at no cost to customer	\$15,000

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