

# Gypsum Manufacturer

USA

Castrol LubeCon Series 1M-200

**DOCUMENTED COST SAVINGS: \$ 464,280.00**



## THE SITUATION

This wallboard plant was looking to extend the life of the kiln chains in their 10 deck wallboard kiln.

Average chain life was said to be 8 years before replacement was required.

## BEFORE

- Plant was lubricating the kiln chains with waste oil delivered thru a oil bath system.

## AFTER

- In 1990 Castrol Lubecon installed a shot to point LubeCon system utilizing Castrol LubeCon Series 1M-200 oil.
- The kiln chains have been in service for 25 years.
- Castrol LubeCon Series 1M-200 has been used for the past 22 years.

## THE SOLUTION

- It was determined that the life of the chains could be extended with the addition of a chain lubrication system from Castrol LubeCon
- A shot to point lubrication system was chosen and installed.
- Castrol LubeCon Series 1M-200 was determined to be the best choice for this application.
- The chain lubrication system was installed by a qualified Castrol representative and is maintained with by-weekly inspections.
- The kiln chains have been in service for 25 years without having to be replaced.

- The right system and lubricant was utilized to extend the life of the kiln chains.
- No down time has been recorded in 25 years for chain replacement.

**CASE STUDY**

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.



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## Costs associated with replacing kiln chains:

- New chain replacement cost: \$14,000.00 X 10 decks = \$140,000.00
- Labor costs for a 10 deck chain replacement: \$14,760.00
- **Total cost for a 10 deck chain replacement: \$154,760.00**

With a assumed 8 year life span of kiln chains, three chain replacements Have been avoided over the past 25 years of production.

Annual cost savings: \$18,571.20

This has contributed to a cost savings of \$464,280.00 over the last 25 years.

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