

Lower Consumption & Waste in Kiln Open Gears

CEMENT (USA)

KILN OPEN GEARS

Castrol Molub-Alloy® OG 8031/6000-00*

ANNUAL SAVINGS: \$7,768

THE SITUATION

A large cement producer had high open gear lubricant consumption. This consumption lead to a large amount of waste grease which was time-consuming and costly to handle.

The customer challenged Castrol to provide a lubricant that would lower consumption and waste costs.

BEFORE

- Competitor's heavy open gear lubricant in use
- Consumption of 5,200 lbs per year
- Extra handling needed to package the waste lube in small containers for burning in the kiln

AFTER

- Molub-Alloy OG 8031/6000 open gear compound in use
- Consumption reduced to 1,870 lbs per year (\$7,000 savings)
- Waste lubricant is disposed of easily with the other oils in the plant (\$768 savings)

THE SOLUTION

- The Castrol team identified improvements to be made with the lubricant and the lube delivery system.
- Adjustments were made to the number of spray nozzles, nozzle location, and application timer settings.
- These lube system changes along with the higher performance of the Molub-Alloy OG 8031 resulted in a 64% reduction in usage.



- Over 60% reduction in usage and waste!
- Handling and waste disposal minimized

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RECOMMENDATIONS

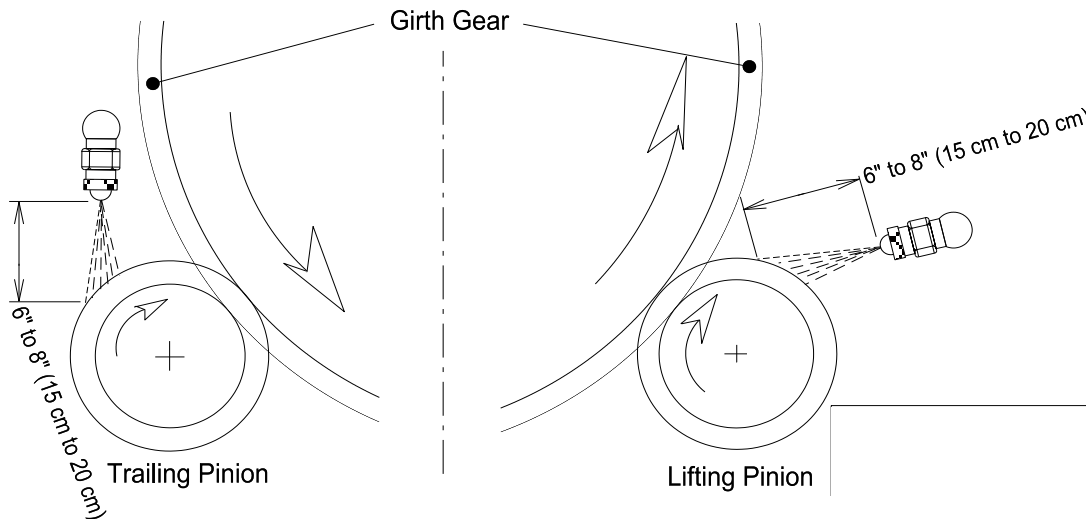
Most conventional open gear lubricants can be hard to handle due to their extremely heavy and tacky nature. Many of the companies providing these lubricants do not have the expertise to assist with proper lube system setup or handling techniques.

Castrol was able to combine their knowledge of lube systems with a new technology open gear compound to significantly reduce consumption.

CONCLUSION

Lubricant usage and waste was reduced by 64% resulting in a hard cost savings of \$7,768.

In addition, other savings were realized in lower labor costs and increased efficiencies in waste handling.



OTHER POTENTIAL APPLICATIONS

Castrol Molub-Alloy OG 8031 is a new technology, non-asphaltic open gear compound designed to provide nearly continuous lubrication of open gears in demanding environments.

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