

# CEMENT MANUFACTURING (USA)

## Bearing Lubrication

### Castrol Molub-Alloy® 860/220-2 ES

**ANNUAL SAVINGS: \$28,500**



#### THE SITUATION

A major cement manufacturer in Texas has experienced frequent bearing failures due to lubricant misapplication and mixing.

#### BEFORE

- Six (6) different greases, including one synthetic, from 3 different suppliers.
- Confusion on where each grease should be applied. Bearing failures due to lubricant misapplication and mixing.
- Nineteen (19) bearings were changed each year with an average cost of \$1,500 each.

#### CONCLUSION

- Molub-Alloy 860/220-2 ES is the right product for consolidation of lubricating greases within the Cement industry.
- Molub-Alloy 860/220-2 ES can be successfully used to lubricate a majority of Cement plant bearings with exception of very heavily loaded and very low speed bearings. Molub-Alloy 860/460-2 ES is recommended for those applications.

#### THE SOLUTION

Castrol engineers conducted a comprehensive survey of all grease lubricated applications and recommended Molub-Alloy 860/220-2 ES grease to solve the problem.

#### AFTER

- Step-by-step each grease was successfully replaced by one Castrol high performance grease, Molub-Alloy 860/220-2 ES.
- No lubricant related bearing failures occurred for 12 months.

- **Annual bearing replacement cost was estimated by the plant at \$28,500.**
- Note: Replacement labor and downtime are not included in this estimate.