

PROOF OF PERFORMANCE



Mobil SHC™

Mobilith SHC 460 saves \$ 1,056,000/y by saving production loss, lubricant and labor cost*

**Cement company
Egypt**

Situation

The plant was facing problems in the mill bearings' lubrication system, which is suffering from significant leakage problems of the circulating oil in use, leading to production loss, high oil loss/consumption and contaminants' penetration to oil system, leading to shorter bearing lives. In addition to the mentioned oil leakage, related problems are health and safety hazards caused by leaked oil and the destructive effect on the mill's foundation.

Recommendation

After conducting several plant surveys by ExxonMobil Field Engineering team, gathering bearing technical data/operating parameters and based on EHL calculations, the suggested solution was to change the lubrication method from circulating oil (Mobil DTE Oil Extra Heavy) to grease lubrication (Mobilith SHC 460).

Results

Avoiding production to stop for 120 hrs due to circulating oil pressure drop which saved \$ 1,015,000/y.

Excessive oil consumption and the replacement of mill bearings has been eliminated by switching to low grease consumption, which saved \$ 36,500/y.

Reduction of total maintenance costs by saving the spare parts of the eliminated oil circulation system.

Reduced maintenance and lubrication activities to save \$ 4,500/y.

Avoiding the destructive effect the oil leakage on mill foundations.

Eliminating safety, environmental and health hazards caused by oil spills on the floor.



For more information on
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* This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

