

# Mobil SHC 629 synthetic gear and bearing oil helps Cement Mill save £40,555 annually\*



## Pemat Mixer gearboxes | Cement Mill | Kirkcaldy, Scotland

### Situation

A Cement Mill operates 3 intergraded cement lines that include 3 individual Pemat Planetary Mixer gearboxes.

Lubricated with an ISO VG 150 mineral oil, the mixer gearboxes were experiencing inconsistent operation during start up and product discharge phase due to poor oil circulation. Because of these issues each gearbox had to run for 30 mins at the start of each shift before production could start in order to heat the mineral oil up to running.

### Recommendation

Moove engineers recommended that the company switch to Mobil SHC 629 synthetic gear and bearing oil which has a very high viscosity index, enabling exceptional low temperature performance including easy start up.

### Benefit

After changing to Mobil SHC 629 synthetic gear and bearing oil, the mill experienced an immediate increase in plant productivity due to reliable and consistent mixer operation at start up and product discharge phase whilst saving 7.5 hours running time per week by eliminating the need to heat the previous mineral oil up to running temperature. An annual saving of £40,555 was reported by the company in relation to the Mobil SHC 629 change.

**£40,555**  
annual savings reported

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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.

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Exxon Mobil Corporation has not authored and validated the performance claims mentioned in this document

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