

Mobil SHC Polyrex 102 EM reduces greasing frequency and optimises the energy consumption required for the efficient operation of electrical motors



France | Paper Mill Production Site

Situation

The customer previously used a grease to lubricate multiple electric motor units, which led to significant operational problems leading to greater consumption of grease.

Recommendation

Moove recommended Mobil SHC Polyrex 102 EM to replace the previous grease, due to the synthetic polyurea providing excellent oil separation and greater oxidation resistance.

Furthermore, after utilising an SKF tool as part of a site study, the Mobil Polyrex 102 EM grease demonstrated potential energy gains, which further supported the recommendation.

Benefits

After switching to Mobil SHC Polyrex 102 EM, the greasing intervals of electrical motors increased by 25% and resulted in cost savings of €24,089 per year. The customer also reported a reduction of CO² emissions equivalent to 3 tonnes, highlighting the environmental efficiency created by switching to Mobil SHC Polyrex 102 EM



Reduction of 1,054 annual interventions, equivalent to 263 hours saved



Reduction of CO² emissions by 3 tonnes



Total grease requirement reduced by 27.5kgs, resulting in 121,800kw energy consumption savings



Productivity improvement of €24,089

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By helping you enhance equipment life and reliability — which reduces maintenance costs and downtime — our expert services can help you achieve your safety, environmental care** and productivity goals.

* 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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