



Mobilgrease XHP™ 222 and Mobil Engineering Services Help Beer Producer Save US\$ 13,813 Annually

Steam Scrubber/Pasteuriser

Beer Producer

Xi'an, Shaanxi, P.R.China

Situation

The KFC bearings of the steam scrubbers and pasteurisers in the brewery were lubricated by a third party EP2 grease. Due to the operating environment, grease oxidation and emulsification developed, resulting in bearing damage and unscheduled downtime.

Recommendation

The ExxonMobil Lube Engineer recommended Mobilgrease XHP 222 in December 2007, based on Elastohydrodynamic (EHL) calculations. The ExxonMobil Lube Engineer also provided a series of Mobil Engineering Services which included plant studies, technical communications and seminars.

Result

With the implementation of Mobilgrease XHP 222 and Mobil Engineering Services, the lubrication of KFC bearings of the steam scrubbers and pasteurisers improved. This was apparent in the elimination of unscheduled downtime and the reduction of bearing damage. By reducing lubrication costs, the brewery managed to save US\$ 13,813 annually. The benefits resulted from:

- Elimination of unscheduled downtime, thus reducing production cost
- Reduction of KFC bearing damage, thus saving procurement cost
- Reduction of bearing replacement time, thus saving labour cost



Steam Scrubbers

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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.