

Balanced performance and optimum reliability of Mobil SHC™ PM 220 help Voith paper mill save US\$453,300



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Voith Paper Mill Pre-Dryer Lubrication System | Paper Mill | Zhenjiang, Jiangsu, China

SITUATION

Mobil SHC™ PM 220 lubricant is being used in the paper mill's essential pre-dryer section. In early 2008, deposits were found inside the lubrication system distribution valve. These deposits were blocking the valve, leading to unscheduled downtime. Hence, the mill was considering a change of the oil.

BENEFIT

Due to the long oil life of Mobil SHC PM 220, the paper mill has been able to improve circulation system cleanliness, reducing unscheduled downtime and premature component failure resulting in high savings.



RECOMMENDATION

The ExxonMobil Lube Engineer conducted an on-site inspection with the mill's engineer and sent oil samples for advanced investigative analysis. The test results showed that the oil was in good condition and the root cause for the deposit was the special configuration of the distribution valve. The ExxonMobil Lube Engineer recommended either cleaning or changing the distribution valve. There was no need to change the oil as it was still in good condition.

IMPACT

After solving the distribution valve deposit problem, the mill operated at maximum capacity with no unscheduled downtime. Mobil SHC PM 220 and Mobil Engineering Services helped the mill resolve the problem with the distribution valves, thereby saving approximately US\$453,300.

The benefits resulted from:

- Cost savings from not having to perform an oil change
- Reduction in labor costs
- Reduction in unscheduled downtime

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