

Mobil™ Solvancer® helps paper mill minimize equipment downtime and ensure equipment availability

Paper Machine | Packaging Paper | South Carolina

Situation

A large paper packaging company in South Carolina observed degraded oil and increased signs of oxidation and varnish in their paper machine oil system. The mill approached the Mobil™ engineering team requesting support to maximize oil life, minimize downtime and ensure asset availability.

Recommendation

The Mobil™ team conducted a Maximum Service oil analysis test to determine varnish and oxidation severity. Mobil™ engineers prescribed a 5% treat rate of **Mobil™ Solvancer®** oil-soluble cleaner to remove varnish from the system during operation.

Following 4+ weeks of circulation, an oil change out to **Mobil DTE™ PM 220** paper machine oil was completed. The oil change in conjunction with **Mobil™ Solvancer's®** exceptional ability to remove varnish, carbon and sludge from circulating lubrication systems provided a clean system with a data-driven approach.

Impact

Varnish and oxidation by products at the mill have been removed and oil-wetted surfaces cleaned to enable maximum oil life. By using the Mobil™ lab and a pre-treatment of **Mobil™ Solvancer®**, followed by an oil change of **Mobil DTE™ PM 220**, the paper machine system was cleaned and returned to service. This removed the need for time-consuming flushing and enabled longer oil life through varnish removal. The use of **Mobil™ Solvancer®** saved the mill 48 hours of additional downtime and lost equipment availability and provided annual savings exceeding \$1M.



Annual Savings



~\$1M USD
Revenue Improvement



99 Hours
Exposure Reduction



3,938 Gallons**
Environmental Improvement

Advancing Productivity

Helping you reach your Safety, Environmental Care** and Productivity goals through our innovative lubricants and services is our highest priority. That's Advancing Productivity. And that's how we help you achieve your broader vision of success.

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. **Visit mobil.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits depend upon product, operating conditions and application. Copyright © 2024 ExxonMobil. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries. All Rights Reserved. ©2026 Fluitec. Fluitec, DECON and Solvancer are registered trade-marks of Fluitec NV or one of its subsidiaries. Other trademarks shown are property of their respective owners.