

Case Study

Blue Seal: Minimizing Cavitation Damage



The Company: Lake Utopia Paper

Lake Utopia Paper, located in Utopia, New Brunswick, has been delivering world class quality and service for over 35 years. Responsible for the production of packaging materials, for some of the world's favorite brands of food products and other consumer items, Lake Utopia Paper supplies customers in Canada, the U.S. and Latin America.

The Problem

Delivering world class quality and service, in 182,000 tonnes of corrugating medium, for the global market every year has been taking a toll on Lake Utopia Paper's extraction pump system. The mass production of pulp slurry that runs through the extraction pump has caused cavitation to take place. The cavitation is continuously removing metal from the substrate, causing premature wear on the pump. The wear on the pump is costing approximately thirty-five hundred dollars in repair maintenance every year and a half to two years.

"The extraction pump is looking good, its been in the system for 7 months and at the time of inspection there was hardly any wear."

*– Greg Dewar
Maintenance Planner
Lake Utopia Paper*

The Solution

Source Atlantic introduced Lake Utopia Paper to Blue Seal, which is the most advanced corrosion coating available in the market today. Blue Seal consist of a tight molecular bond that ensures corrosion protection from cavitation. It can easily take double salinity at boiling temperatures with no vapor

transmission. Coating Lake Utopia's extraction pump with this durable, long-lasting coating system would decrease the maintenance and operational cost of running the pump. The glass filled epoxy-vinyl-ester coating would also repair the loss of the metal from the substrate that has already taken place due to cavitation and minimize any future loss.

The Result

Seven months after coating the extraction pump with Source Atlantic's Blue Seal product, the loss of metal from the substrate due to cavitation has been eliminated. The extraction pump is in good condition showing hardly any wear on the Blue Seal coating. The successful implementation of the Blue Seal coating on Lake Utopia Paper's extraction pump will reduce the maintenance and replacement cost of extraction pump system.

It is expected that the life span of the extraction pump has been extended due to Source Atlantic's Blue Seal coating. The pump should now be able to sustain or exceed five years of service. As well the pump will need minimal down time for service repairs as well, due to its new durable long lasting coat of Blue Seal.

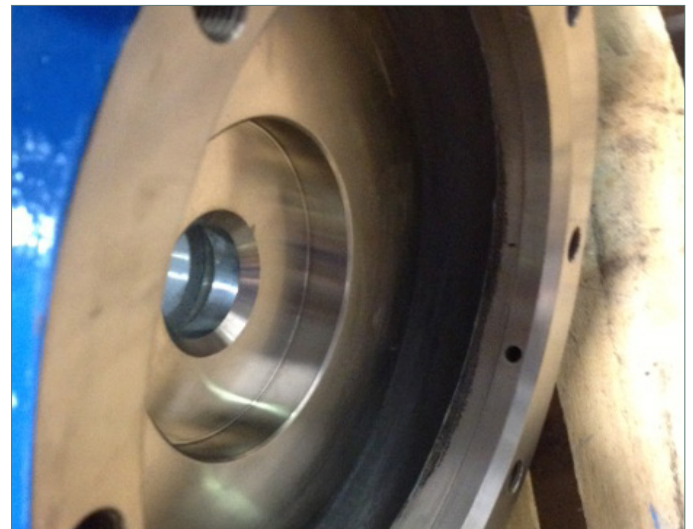
Could your company benefit from the advantages of Blue Seal? Contact your Account Manager today to discuss!

Call us at 1.888.846.7637 or visit us online www.sourceatlantic.ca to learn more.

Before



After



Supply Chain Management Solutions



Supply Chain Mapping

Source Atlantic's extensive knowledge and experience, across many different industries, positions us as experts in supply chain analysis. Our solutions team will work with you to understand the current state of your business, identify the opportunities for improvement and design a future state. From there we can help implement changes, monitor the improvements and make any necessary adjustments.



E-Vending

Source Atlantic's automated inventory control solution uses a state-of-the-art, robust inventory control system designed to help optimize your company's processes, minimize waste, and realize savings opportunities.



Vendor Managed Inventory (VMI)

Our Vendor Managed Inventory Program (VMI) will help you manage your low-value, high-turning stock items by having a Source Atlantic representative go to your business and replenish your stock. Through a continuous improvement strategy we will reduce: receiving, stocking, stock-outs, carrying costs and procurement costs.



Mobile Store

The Source Atlantic Mobile Store brings a fully stocked, customized container right to your job site. This solution has been designed to reduce operating costs and minimize down time waiting for deliveries and off-site pick-ups.



Source Card

The Source Card offers you a faster alternative for purchasing goods and services. With pre-approved transaction and credit levels, simply place your order. Multiple buyers making frequent transactions can apply a job reference number at purchase. Each month your company will receive a statement showing, by cardholder, their transactions and respective job reference numbers.



Mobile App

The Source Atlantic iPhone App is an order entry tool that will help to improve your business' Inventory Management and eliminate the need for manual order entry. The iPhone App uses the 1) phone's camera, 2) or accompanying Bluetooth scanner to scan an item's barcode and send the order directly to Source Atlantic. The app is a simple, cost-effective way to auto-generate replenishment purchase orders to Source Atlantic.