

**Customer: Papermill**

**Location: NJ**

**Specialist: Dan Mertens**

**System/Product: AWC 442-31 Split Seal, 9k Acetal Bushings and AWC SP50 Flow Meter**

**Date Installed: 2016**

## CUSTOMERS CHALLENGE

A “broke” chest collects the excess paper stock that falls off the paper machine. It is expensive stock because it has already been refined and treated (basically finished stock). The chest agitator had a shaft that dropped and the packing had been leaking for years. Finished stock had been literally going down the drain and being wasted. Not to mention the treatment cost incurred.

The papermill could not have the shaft or stuffing box changed so we had to work with the existing conditions. The bore was too big so we made a SPLIT ADAPTER PLATE to fit the seal onto the mixer.



## CPE'S SOLUTION

The first step was to measure the leakage and provide the customer with an ROI. The solution consisted of a 442-31 Split Seal with Hard faces/Viton O-rings, 9K acetal bushings to support the shaft and a Chesterton SP50 Flow meter to help manage the flush flow/pressure supplied to the mechanical seal.



## RESULTS

The 442 was installed in early October 2016 and has not leaked a drop since. Customer has saved thousands of dollars and no longer endures leakage/treatment costs from leakage. Success of the application has lead to many other 442 upgrades around the mill.



## WE DELIVER RESULTS

CPE has the knowledge and expertise to find solutions for a wide array of customer needs.