

PULP & PAPER

OVERVIEW

Pivotal Pumps' team of specialists are well versed in the many applications of centrifugal pumps within Pulp & Paper manufacturing process. From the Power Plant to the various Fiber/Pulp Lines, Pivotal Pumps can add value to your organization by supplying high quality pump repairs, field installation services and aftermarket parts.

Applications

- Boiler Feed Water Pumps
- Circulating Water Pumps
- Condensate Water Pumps
- Heater Drain Water Pumps
- Service Water Pumps
- Component Cooling Water Pumps
- Turbine Lube Oil Pumps
- Additive Slurry Pumps
- Make-up Liquor Pumps
- Headbox Feed Pumps
- Coating Pigment Slurry Pumps
- Raw Water Pumps
- Sludge Treatment Pumps
- Fire Protection Pumps
- Process Water Pumps

Challenge

A paper mill, based in the southeast US, utilized a 1970's vintage boiler feed pump for their power plant. Being an older design, the pump was designed using standard pump packing and a packing gland as the primary sealing device. As a result, the pump required regular service, once per year, to replace the packing sleeves and repack the pump. While the mill was able to effectively schedule this maintenance, the task burned up valuable maintenance resources and budget money.

The Pivotal Solution

Pivotal Pumps was able to redesign the stuffing boxes to incorporate mechanical seal adapter plates while the pump was at our facility for repair. Once the adapter plates were manufactured and installed, the pump was retrofitted with modern mechanical seals, including the use of an advanced pumping ring and flush plan. The pump can now run without need of service for 8-10 years, saving the mill valuable time and money.