

CASE STUDY

Customer Project Solution Florida Pulp & Paper Mill Bottom Circulating Pump HYDRA-JUST™ Rotary Seal

Performance Comparison Annual Profit Impact

Florida Paper Mill

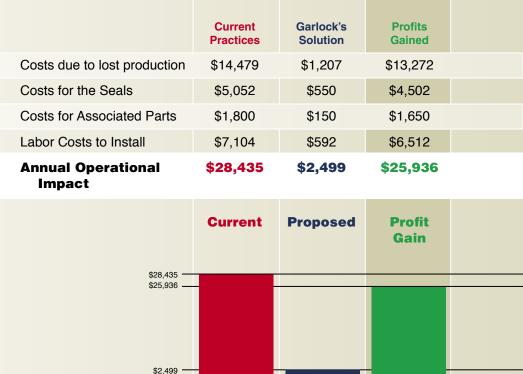
A large paper mill in the Florida panhandle had a major problem. The bottom circulating pump on their digester was down for seal replacement far too often and if it couldn't run, then neither could the digester.

Originally, the mill was using Kevlar® and GFO® packing to seal the pump, but this would only last 3-6 weeks. In addition to lost production time due to rapid seal failure, the mill had to deal with white liquor leaking out of the pump and the waste of having to use vast amounts of flush water to maintain the packing.

A mechanical seal was installed with the hope of fixing the problem. However, due to fluctuations in the mill's seal water pressure, the mechanical seal failed in less than a week.

That's where Garlock and the HYDRA-JUST™ system came in. The mill went from monthly failures to annual maintenance, dramatically cut their water use and realized significant operating savings. In fact, the HYDRA-JUST™ seal worked so well the mill installed an identical seal in their top circulating pump.

KEVLAR is a registered trademark of DuPont GFO is a registered trademark of Gore and Associates





Hydra**Just**[™]
Paper Making Process The HYDRA-JUST™ system's unmatched abrasion and chemical resistance, coupled with its water **Paper Mill Applications** efficiency, make it the ideal sealing solution in **Chemical Recovery III** Digester the Pulp and Paper Mill. Pulpwood Chipper Debarker **Blow Tank** Bleaching **Circulation Pumps** H Refiner Pulpers & Washing Repulpers Where the HYDRA-JUST™ seal **Circulation Pumps** should be used in the Paper Mill **Circulation Pumps DIGESTERS Pressure Screens** Top Separator · High and Low Pressure Feeders Top and Bottom Circulation Pumps **Head Box** Steaming Vessel · Bottom outlet Devices **KRAFT PROCESS SULFIDE PROCESS Dandy Roll SCREENING AND WASHING** REFINING **Felts THICKENING BLEACHING** Circulation Pumps **WET END PAPER MACHINE** Feed Pumps Vacuum Pumps Size Presses Stock Pumps (HJ) White Water Pumps Couch Pumps **DRY END PAPER MACHINE** Wet End Sizing Coating Forming Fabric Coloring **Presses** Calenders Drvers Dryers Reel