

WILDEN PRO-FLO SHIFT PUMPS ELIMINATE PUMP STALLING FOR A LINOLEUM FLOORING MANUFACTURER

THE CHALLENGE

The customer produces floor coverings for houses, schools, healthcare, retail and hospitality facilities, and sports venues. Part of the production process for their linoleum kitchen flooring line involves pumping a solvent-based plasticizer to the resin coating for the floorboards. During production, the customer's existing Versamatic Air-Operated Double Diaphragm Pumps experienced significant stalling resulting in scrapping an entire roll of linoleum on the line. The downtime for troubleshooting and repairs combined with the decrease in production and the wasted materials were all costing the customer money.

Also, the Versamatic pump diaphragms lasted only around four months. The maintenance of overhauling the pumps when the diaphragms wore out and the cost of replacing and servicing parts every quarter added even more financial stress to the customer's operations.

THE SOLUTION

Our application expert—Harry Webb—recommended that the center sections of the Versamatic pump be replaced with the Pro Flo Shift Air Distribution System and the Teflon diaphragms on the Versamatic pumps be replaced with Wilden Gore-Tex diaphragms. The stalling issues immediately stopped and the Gore-Tex diaphragms lasted 26 months - 6.5 times longer than the Teflon Diaphragms.

Eventually all 12 Versamatic pumps were replaced with Wilden Pro-Flo Shift PS8 pumps customized with Gore-Tex diaphragms. Production downtime caused by pump failure was eliminated because neither the operating pump nor the backup pumps stalled.

THE RESULTS

- ▶ Increased Productivity
- ▶ Decrease in Maintenance & Replacement Costs
- ▶ Decrease in Downtime
- ▶ Increased Cost Savings

For more information on this solution or if you have a fluid handling challenge of your own - Contact a John Brooks Company Application Expert today!



LINOLEUM MANUFACTURING | SOLVENT PUMPING PRODUCTION DOWNTIME DECREASED BY 650% WITH WILDEN PRO-FLO SHIFT PUMPS.

TECHNOLOGY UTILIZED

Wilden PS2 Pro-Flo Shift Bolted Metal Pump

- ▶ Max. Flow Rate: 166 gpm (630 L/min)
- ▶ Max. Inlet Pressure: 125 psi (8.6 bar)
- ▶ Max. Solids Size: 1/4" (6.4mm)
- ▶ Max. Suction Lift: Dry: 22.7' (6.4m)
Wet: 30.6' (9.3m)
- ▶ Air Inlet: 1/2" FNPT
- ▶ Liquid Inlet: 2" (51mm)
- ▶ Liquid Discharge: 2" (51mm)

PRO-FLO SHIFT AIR DISTRIBUTION SYSTEM

