

Challenge

Issue

Customer was using a competitor’s PTFE packing on pumps used for high consistency pulp stock. The packing required replacement every three weeks.

Goal

Increase the length of continuous service to support plant cycle and reduce costs.



Aerial view of fiberboard plant.

Solution

Overview

Chesterton DualPac® 2211 a braided packing that brings together the best of aramid and PTFE packing with distinct shaft-facing and outward-facing benefits as shown in Figure 1.

Five rings of **DualPac 2211** were installed as shown in Figure 2 for solids resistance. With **DualPac 2211** aramid side against the bottom of the stuffing box, you achieve resistance to extrusion and solids yet there is minimal contact between the aramid and shaft. This unique ability reduces shaft wear and increases uptime.



Figure 1: **Chesterton DualPac Technology** results in a braided packing with distinct benefits on each side.

Results

Client Reported

Sixty days of trouble-free performance and still running (3X the life of previous packing).

Repair Costs / MTBR / Savings

Labor cost = \$20,800/year
Product (process) savings = \$10,400/year
Packing cost = \$16,000/year
Total Savings = \$ 3,500/month
\$42,000/year

\$=USD

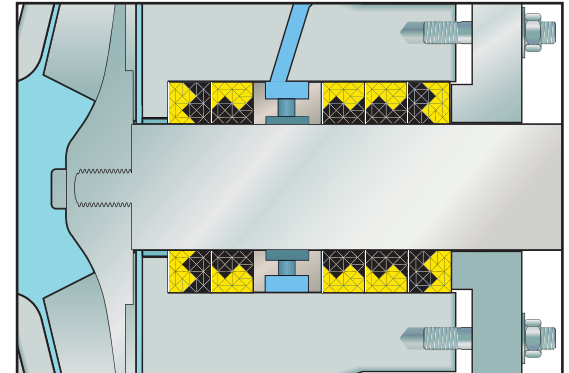


Figure 2: With **DualPac 2211**, you can configure the packing for just sealing or for sealing and solids resistance.