

## Challenge

### Issue

A sugar mill was trying to seal heavy slurry (63% solids) in multiple centrifugal pumps. The pump packing in use lasted an average of only three weeks. The plant considered the impact on these applications as a major reliability issue.

### Root Cause

Packing was deforming under pressure and unable to control leakage.

### Goal

Increase the packing life to five weeks to support the existing plant cycle.

## Solution

### Overview

- **Chesterton DualPac 2212** packing was installed in two pumps side by side. Each pump required five rings of packing installed as shown below.
- **Chesterton DualPac Technology** allows the combination of two unique materials to take advantage of the best properties of each. **DualPac 2212** combines an inner burn-resistant material with a highly resilient outer fiber, resulting in a packing that expands easily under gland load and achieves a reliable and quick break-in period.

## Results

### Client Reported

**DualPac 2212** lasted twice the life of the competitor's packing. Customer's expectations were exceeded.

### ROI

Labor cost = \$10/hour

Downtime cost = \$50/hour

**Packing cost savings = \$4,751**

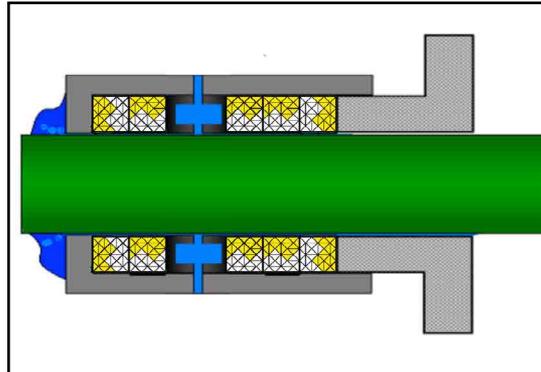
**Downtime cost savings = \$1,600**

**Labor cost savings = \$320**

**Total Savings = \$6,671 per year**



Sugar cane field.



Packing installation configuration.



Pumps where packing was installed.