

# DualPac<sup>®</sup> 2212 Solves Sugar Mill Sealing Issues

Food Industry – Sugar Mill Chesterton DualPac® 2212 Case Study 040 Rotating Equipment

## 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 burnresistant 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

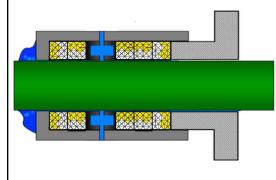
Downtime cost savings = \$1,600

Labor cost savings = \$320

Total Savings = \$6,671 per year



Sugar cane field.



Packing installation configuration.



Pumps where packing was installed.

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

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