

Challenge

Issue

- Customer experienced a significant problem with sealing of Warman® cement pump 4/3AH
- They were forced to replace packing weekly due to leakage and dirty pump area.
- Due to packing wear, the shaft sleeve needed replacement monthly.
- With sleeve costs, packing costs, and labor, the mine spent \$10,800 annually maintaining this pump

Goal

Increase Mean Time Between Repair (MTBF) and reduce maintenance costs.



Before – Fluid cement pump with leakage.

Solution

Application

- Fluid Cement 65%
- Temperature 35°C (95°F)
- Speed 1450 rpm

Overview

The Chesterton Sealing Specialist recommended switching to our next generation packing: **Chesterton® DualPac® 2211**, a patented braided packing that brings together the best of aramid and PTFE packing with distinct shaft-facing and outward-facing properties.



DualPac 2211 cut rings were installed.

Results

Client Reported

- Good running and easy adjustments after installation of **DualPac 2211**.
- MTBR increased by 11X and still running
- Customer placed order to have **DualPac 2211** in stock.

Repair Costs / MTBR / Savings

Customer eliminated sleeve replacements costs and associated labor for a total annual savings of \$8,400 per year.



After – Pump runs 11X longer and is leak-free.

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