

Two Vertical Turbine Pumps Saved with Split Seal Replacement

Challenge

Background

A large city water plant in Canada had two vertical turbine pumps with a shaft that was extremely damaged from packing (no sleeve). The pumps leaked excessively, and the customer was preparing to send them to the scrap pile. The Chesterton representative convinced them to try **Chesterton 442C split seals**, which could be installed over the damaged shaft and did not require disassembly of the pump.



The pump shafts were extremely damaged.

Solution

Product

Dimensions were taken, and the **442C** required adapters to fit the stuffing box dimension, which were manufactured in a local shop.



The 442 seal was adapted to fit the stuffing box.

Results

The two **442C** split seals were installed in December 2017 and are still running efficiently and without leakage. The customer has plans to purchase two more.



The split seal is running effectively with no maintenance required.