

## Challenge

### Background

A customer was using a large split case pump with solid mechanical seals. The entire pump needed to be disassembled to change out the seals resulting in weeks of downtime. The mechanical seals had a 6 – 12 month life.

## Solution

### Product

The pump was fitted with a **SpiralTrac® Environmental Controller** throat bushings and **Chesterton® 442 HP Split Mechanical Seals** were installed.

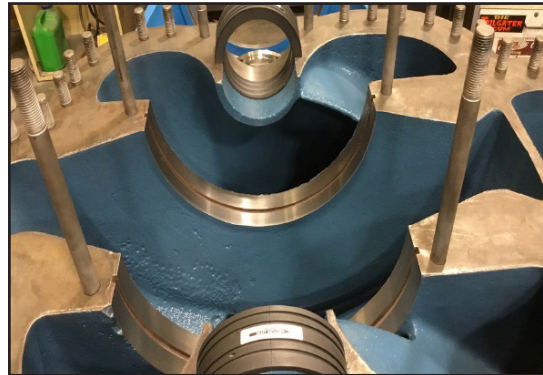
## Results

### Increased Reliability

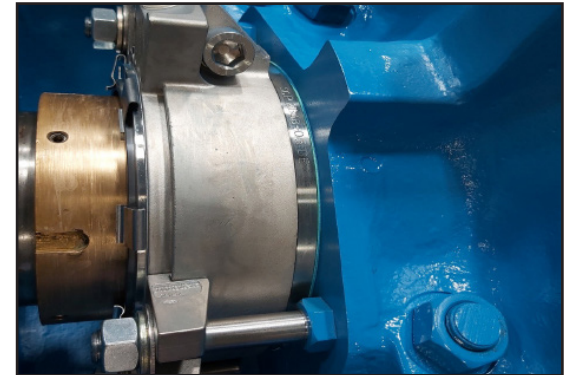
Seal change outs are now done in a matter of hours, not weeks. Reliability has improved with up to two years runtime. No seal failures reported since this conversion.



Split case pump with solid mechanical seal.



Pump fitted with Chesterton® 442 HP Split Mechanical Seal and a SpiralTrac® Environmental Controller.



Improved runtime and reliability.