

Pump Reliability Delivered with Chesterton Connect and S20 Seal

Chemical Industry
Chesterton Connect™, S20 Double Cassette Seal,
Chesterton BBS Buffer Support System for Dual Seals
Case Study 006 Equipment Monitoring

Challenge

Background

A chemical plant in Sweden was running a decentered screw pump in a latex process.

This equipment had repeated seal issues. After numerous failures from previous sealing systems, the customer agreed to upgrade to a new custom double seal with a barrier fluid system monitored by a Chesterton Connect™ sensor.



Chesterton Connect set to monitor barrier fluid.

Solution

Overview

A Chesterton Connect sensor, was installed to monitor the barrier fluid line of a special Chesterton S20 Cassette Seal with BBS Buffer Support Tank System for Dual Seals.



Installation overview.

Results

Increased Reliability

This complete sealing system offers not only the reliability of the special design of the seal itself, but also the continuous monitoring of the closed loop support system, critical to the longevity of the application.

The pump has since operated with no issues.



Chesterton Connect sensor unit installed.