CASE STUDY

CHESTERTON
Global Solutions, Local Service.

GAS INDUSTRY

Equipment Monitoring

Pump Process Issues Identified and Solved with Equipment Monitoring

Product Solutions: Chesterton Connect™ System includes Chesterton Connect Sensor and App

Challenge

A two-stage vertical turbine booster pump seal failed within 2 – 3 days. The seal was changed out, and again it failed within the same 2 – 3 day time period. It was impossible to 'see inside' the seal to determine the root cause of the problem.

Solution

A Chesterton Connect™ sensor was installed to monitor the process conditions causing premature seal failure. With the Chesterton Connect App, the user was able to chart the process pressure (decreasing) and temperature (increasing) while the pump was operating.

Because of the Chesterton Connect data, critical operating changes were identified and the seal failure problem was fixed.

Results

Reliability was achieved and the plant saved thousands of dollars with a very small investment.

Chesterton Connect System Benefits

- **Averted downtime and lost production**
- **Avoided fixing the same problem over and over**
- **Reduced stocking need of spare seals**
- **Continuous monitoring helped identify changes over time and ward off future problems**

It was possible to **'see inside'** the seal to determine the root cause of the problem and saved thousands of dollars.

Chesterton Connect™ is a trademark of A.W. Chesterton Company. Technical data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. Chesterton Company disclaims all warranties expressed or implied, including warranties of merchantability and fitness for a particular purpose. Liability, if any, is limited to product replacement only. Any images contained herein are for general illustrative or aesthetic purposes only and are not intended to convey any instructional, safety, handling or usage information or advice respecting any product or equipment. Please refer to relevant Safety Data Sheets, Product Data Sheets, and/or Product Labels for safe use, storage, handling, and disposal of products, or consult with your local Chesterton sales representative. **A.W. Chesterton Company, 860 Salem Street, Groveland, MA 01834 USA** © 2026 A.W. Chesterton Company. ®Registered trademark owned by A.W. Chesterton Company in USA and other countries, unless otherwise noted. **CHESTERTON.COM**
EN350860 1/26