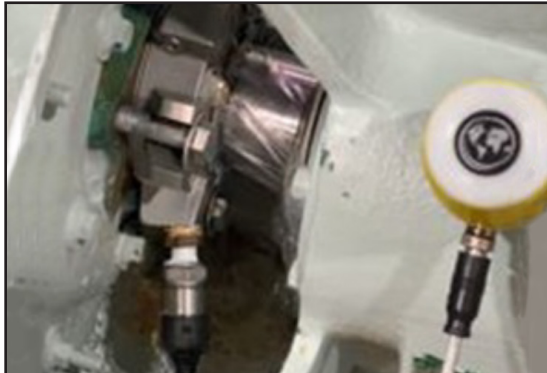


Challenge

Background

An OEM installed several seals in their grit application pumps at a Wastewater Treatment Plant (WWTP).

After a few months, the end user informed the OEM that there were pump failures. Chesterton supported the OEM/end user with warranty replacements and Chesterton expertise over subsequent months, but the failures persisted.



Chesterton Connect Sensor installed on pump.

Solution

Product

We installed two **Chesterton Connect™ Sensors** to help better understand the actual operating conditions and help provide some possible answers.

Data collected from the **Chesterton Connect Sensor** was sent to the **Chesterton Connect Cloud**.



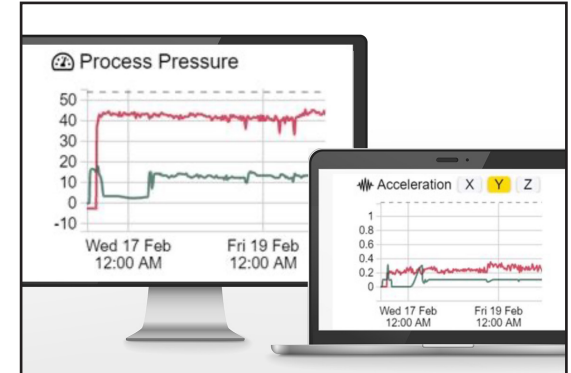
Chesterton Connect System.

Results

Improved Productivity

We quickly noticed that the two pumps in the same system had remarkably different pressures and vibration. Coupled with seal failure analysis, it was quickly determined that there were factors within the plant that need to be addressed or the pumps would continue to fail.

We worked with the OEM and the end user to identify the root cause of the pressure variations in their system and offered **Chesterton® solutions** to provide the desired seal life. Savings were about \$2,000 every two months since the issues were discovered.



Pressure and vibration data from Chesterton Connect Cloud.

\$ = US Dollar