Chesterton Connect™ System Detects Faulty Valve

Water Industry
Chesterton Connect Sensor, Gateway and Cloud
Equipment Monitoring Case Study

Challenge

Background

A state municipality needed a method of detecting brush fires which were affecting their remote pump stations. They enlisted the use of the **Chesterton Connect™ Sensor, Gateway**, and **Cloud** as a way to monitor the ambient temperatures of the assets.

Solution

Product

Once the sensors were installed, we collected 30 days of data as a trial using the **Chesterton Connect Sensor**.

Results

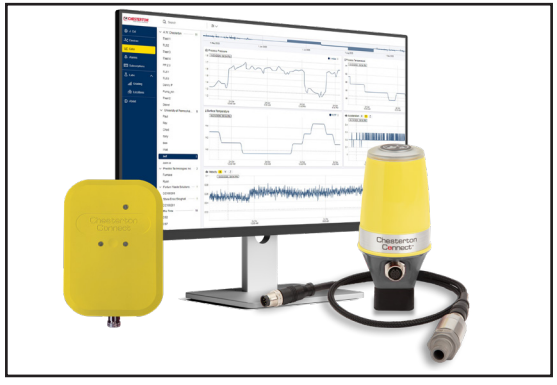
Improved Productivity

Upon review of the data, three identical pumps in service seemed to show the same values, however one of the pumps was demonstrating elevated vibration, temperature, and pressures. It was determined that a faulty valve was the culprit and repairs were scheduled.

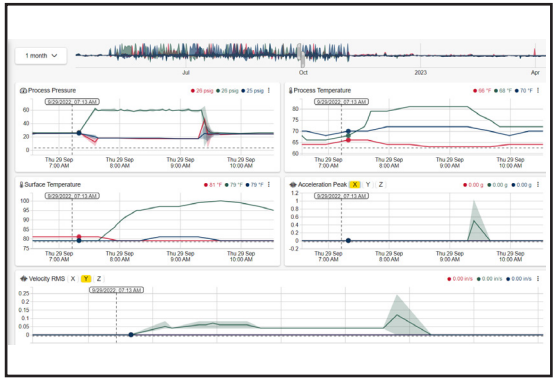
The **Chesterton Connect Sensor** was able to detect the faulty valve and ultimately save the customer thousands of dollars in repair costs.

$ = US Dollar

Chesterton Connect Sensor attached to pump.



Chesterton Connect Sensor, Gateway, and Cloud.



Faulty valve report.

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