

Success Story

Monitoring Pressure of Pot Carrier Vehicles

The Problem

Pot carriers are used for transporting and dumping slag. When these large machines are not working properly it usually takes at least two technicians to diagnose and find the issue, one of whom is usually working underneath the vehicle. This can put a technician in an inconvenient and potentially dangerous situation.

Diagnostics usually require the use of wired condition monitoring systems which can be difficult to use with mobile equipment. Excessive wiring can get wrapped or pinched in a mobile asset's moving parts. The service technicians were looking for a better and more efficient way to service these vehicles.

SensoNODE™ Blue is Parker's series of Bluetooth-powered sensors. Compact, energy-efficient, and wireless, they are designed to provide simple and useful solutions for diagnostic and condition monitoring applications. SensoNODE monitors assets to help predict problems and prevent downtime, and delivers the information to your mobile device.

SCOUT™ Mobile software gives access to machine and process measurements right on your mobile device. The user-friendly interface makes connecting to sensors uncomplicated and measurements easy-to-read. With customizable dashboards and alarms, you can focus on the data that's most important to you and be alerted when your measurement thresholds are exceeded. Exporting of data is done with a click of one button, which sends a .csv file right to your email.

The Solution

The technician applied SensoNODE™ Blue pressure sensors to multiple ports. Using SCOUT™ Mobile software, he worked from the cab using his iPad while running the hydraulics and validating system pressure. By eliminating the need to install and remove each wired sensor, this solution reduced the time to find the issue. It also removed the second technician from a dangerous situation.



Success Factors

Direct, accurate monitoring of line pressure with immediate and historic data trends.

Reduced time diagnosing issue allowing technicians to get equipment back and running quicker.

Customer Value

Allows maintenance technicians to diagnose issues with their asset's pressure lines more easily and in less time, reducing labor and inventory costs, as well as lost revenue associated with downtime.



Parker Hannifin Corporation | **Quick Coupling Division**
8145 Lewis Road, Minneapolis, MN 55427

parker.com/conditionmonitoring