

Success Story

Monitoring Pressure of Combines

The Problem

Combines are large vehicles where pressure issues can occur at several points. With current solutions, the wires from the gauges create safety issues and concerns as the wires can get caught in the rotating parts.

Because a machine must be in motion and operating to get an accurate reading, it's not always possible to monitor pressure with real-time measurements while running the combine. The customer needed a solution that allowed users to take pressure readings while in the shop, as well as while running the combine.

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

SensoNODE™ Blue sensors and SCOUT™ Mobile software allowed the technician to apply the pressure sensors to multiple ports and then work from the cab using his mobile device. This allowed the user to get immediate readings from several points of interest on the combine.

The units that were purchased are connected to PD couplers so they can conveniently connect to the "DR" nipples throughout the machine. SensoNODE Blue sensors offer users the convenience of gathering diagnostic data without the concern of trying to shield transducer cables from rotating machine elements. The small sensors also allowed for placement closer to areas of interest for more accurate readings.



Success Factors

Immediate diagnostic data without excessive wiring around the vehicle.

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

Customer Value

Allows maintenance technician to monitor multiple points simultaneously, reducing labor and inventory costs, as well as lost revenue associated with downtime.



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