

Emergency Vehicle Pump Test

Customer

Northeastern Fire Associates Inc. (Cheshire, CT) is a distributor of emergency vehicles and equipment.

Challenge

Improve health assessment of emergency vehicle fire pumps by replacing manual methods of gathering and recording performance data.

Solution

Automate data acquisition from engine controls using Society of Automotive Engineers (SAE) J1708 serial data communications link and distributed sensor network.

Key products used:

- National Instruments LabVIEW



The pump test software, created in LabVIEW, acquires readings from acceleration, pressure, temperature, vacuum, and other transducers.



The system employs the SAE J1708 data link bus and distributed sensor network to gather emergency vehicle pump performance data.

Benefits

By automating fluid flow data acquisition and report generation, the pump test software reduced human error and increased measurement accuracy and repeatability.

"Bloomy Controls provided rapid software development assistance for our test application. I recommend them to anyone interested in optimizing their systems integration"

– Jonathan W. Schrumm, President, Northeastern Fire Associates Inc.

To achieve similar results, contact our office nearest you or visit www.bloomy.com.

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