Message

From: Mohn, Laura [redacted]
Sent: 10/26/2023 10:06:53 AM
To: Turner, Steven [redacted] Tummonds, David [redacted]
CC: Drake, Michael [redacted]
Subject: FW: GE Sliding Fuel Pressure Update - 10.23.2023
Attachments: Sliding Fuel Pressure Evaluation.docx; Sliding P2 - Performance Chart.pdf

Please see Adam's update below regarding the Trimble CT sliding gas pressure control improvements. The logic utilizes a transmitter, which is a single point of failure, in the updated control scheme. However, we are working with GE to add redundancy.

Thanks,

Laura

Business Use

From: Ball, Adam [redacted]
Sent: Monday, October 23, 2023 3:17 PM
To: Mohn, Laura [redacted]
Cc: Maldonado, Francisco [redacted]; Menezes, Tomas [redacted]
Subject: GE Sliding Fuel Pressure Update - 10.23.2023

The attached word document is the software evaluation I had sent previously, which is still accurate when using GE's estimated curves from the engineering study we requested. With that said the attached PDF shows how the software performed for the first two units we tested versus GE's estimated curves. The chart shows the % Load we can achieve for a given inlet pressure to the gas valve module at the unit (FPG1). In the chart legend the temperature in parenthesis is the associated ambient temperature for the given curve. Thus far the software has outperformed the estimate. Prior to this modification the unit would have went into an automatic shutdown at 415 psi inlet pressure (FPG1).

I am waiting final disposition from GE engineering on my single point of failure transmitter concerns before finalizing the logic changes and testing the final four units. I would anticipate the performance of the final four units to be almost identical for a given ambient temperature.

Operator training and a discussion with Dispatch will occur as well.

Business Use

From: Ball, Adam
Sent: Thursday, June 15, 2023 3:47 PM
To: Mohn, Laura [redacted]
Cc: Maldonado, Francisco [redacted] Menezes, Tomas [redacted]
Subject: GE Sliding Fuel Pressure Update - 6.15.2023

During today's call GE provided their final charts showing the estimated minimum pressure capability of the software along with answering our final questions. The attached word document is a short summary of the software and the benefits we can expect to obtain.

I intend on giving GE the final go ahead to proceed tomorrow (Friday) unless anyone feels like we should not.

Let me know if any additional information is needed.

Thanks.

Adam Ball
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[redacted]

Business Use