

[Redacted]

From: [Redacted]
Sent: Friday, December 1, 2023 4:29 PM
To: [Redacted]
Cc: [Redacted]
Subject: P/N 5261439 - Fuel Hose Leaks Level 5
Attachments: Fuel Hose Leak_5261439_ One Pager_ Paccar.pptx
Importance: High

Hello Paccar Team,
Good evening. Sorry to provide the update late in the day. We are currently working towards the containment of the Fuel leaks which were found at Paccar St. Therese on P/N: 5261439. Attached is the one pager with the summary of the actions that have been taken until now. The clean point has been achieved in RMEP for using conforming fuel hoses with the ESNF: 99209428.

As discussed with [Redacted] I will be setting up a meeting on Monday 12/04/2023 at 9am EST to explain the actions that we will be taking to contain the issue.

Again, apologies for the late notification in the day. Have a great weekend ahead.

[Redacted]
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12/1/2023: Fuel Hose leak P/N : 5261439

STATUS: Open

BACKGROUND

- Engines failing at multiple customers for level 5 fuel leaks on P/N 5261439.
- Leaks are observed during startup or at Dyno.
- 2 failures observed at Paccar St. Therese, 6 failures observed at DTNA Santiago.
- Slits observed on the fuel hoses for all the failures observed.

FAULT CODE/FAIL MODE

- The slit in the fuel hose would lead to level 5 leaks could cause a critical quality issue while the engine is idling/accelerated or at Dyno.

CURRENT STATE

- Based on the parts returned for the BIS failures, it was observed that the leak path was created from inside to the outside of the fuel hose by fluid pressure.
- Supplier has performed a study using Pressure testing at 230 PSI to understand the conforming batch of fuel hose.
- Based on BIS issues notified until now, a suspect list has been generated for ESNs which use suspected parts from the supplier.
- Inhouse RMEP containment being carried out for engines by replacing the suspected parts from Supplier.
- Fuel hoses from the suspect batch have been shipped back to the Supplier for further testing and evaluation. (1762 engines suspect)

ROOT CAUSE AND GOAL STATEMENT

- Met Lab has sectioned a failed, returned part and discovered damage is internal from supplier's process. This creates a weak area internally, causing hose to rupture.

Completed

- Clean point attained for the conforming batch being used at RMEP - ESNF :99209428

NEXT STEPS

- Communicate to the OEMs impacted along with account managers in the loop.
- Generate Work instructions and provide to the onsite techs for performing the containments.
- Provide replacement parts to the On- Site techs for replacement.
- Get the parts back to RMEP upon replacing them.

