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ID # CBR-2425

Version 3

Title

Regeneration Failure - VN (4) - PR (4)

Abstract

This CBR solution outlines the analysis of temperature changes in sensors T1, T2, and T3 and provides a procedure for inspecting and addressing potential sensor issues related to AHI fuel injection.

Content

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Valid For

Volvo Chassis - VN(4)

Mack Chassis - PR (4)

Model Year 2025 to current

This CBR solution outlines the analysis of temperature changes in sensors T1, T2, and T3 and provides a procedure for inspecting and addressing potential sensor issues related to AHI fuel injection.

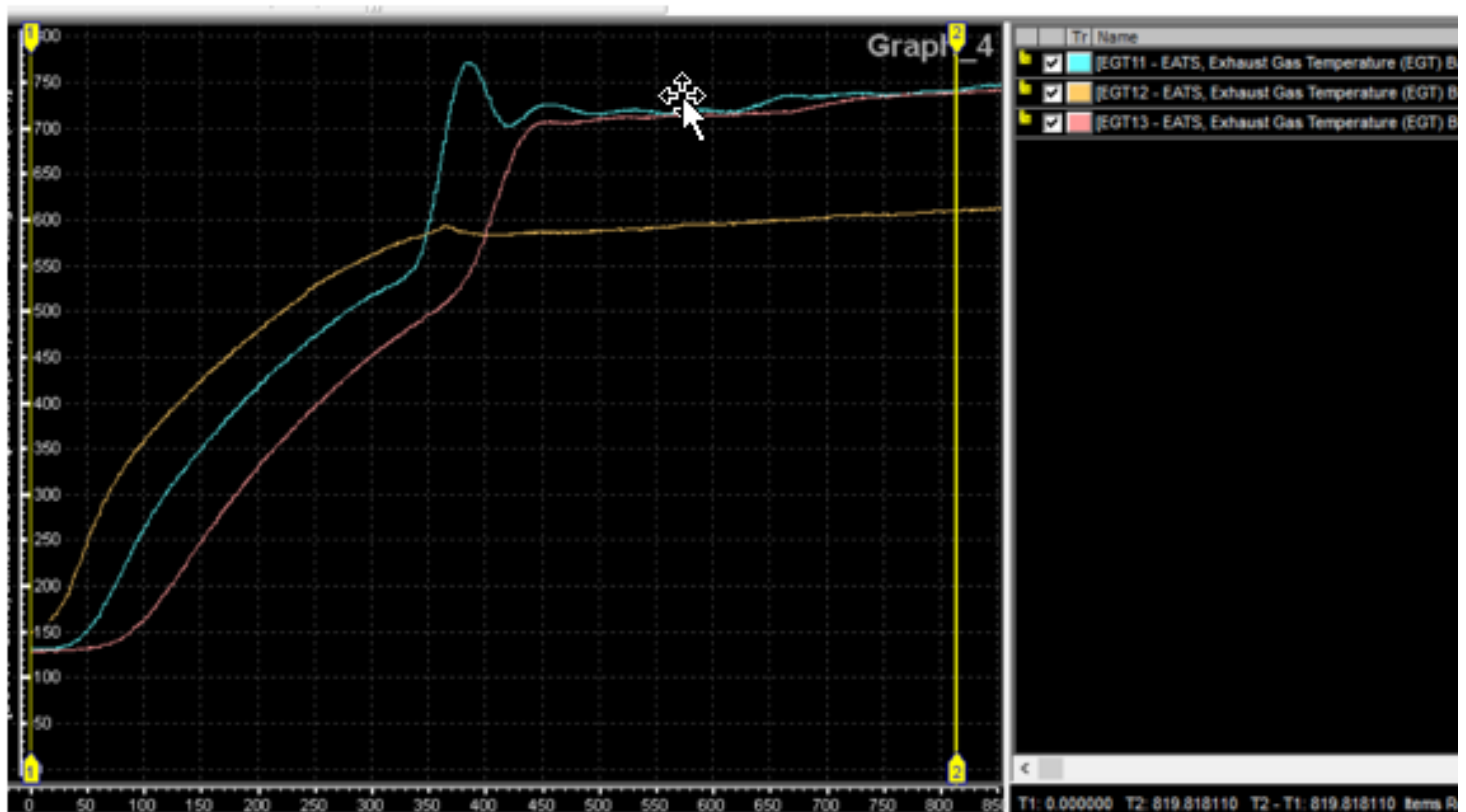
Observations

Starting Temperature

- All sensors (T1, T2, T3) start from almost the same temperature.

Temperature Increase Pattern (50 to 300 seconds)

- **Order of Temperature Increase:**
 - T2 increases first.
 - T1 follows.
 - T3 increases last.



Behavior After AHI Fuel Injection

- **T1:** Exhibits an increase in temperature.
- **T3:** Shows an increase in temperature after T1.
- **T2:** Remains flat with no significant temperature change.

Inspection Procedure

If the following conditions are observed:

- T1 and T2 increase as described.
- T2 stays flat while T1 and T3 increase post AHI fuel injection.

Then:

1. Inspect Sensor Swap:

- Check if sensors T1 and T2 have been swapped.
- Ensure correct sensor positioning.

2. Hold Off on Replacements:

- Do not replace any other parts until the sensor inspection and swap verification are complete.

 Tags

volvo

vn4

vn 4

regen

mack

pr 4

pr4

Categories

- Make and Model > Volvo > All-New VNL - VN (4)
- Make and Model > Mack Americas > PR (4) - Pioneer
- Vehicle System > Engine
- Vehicle System > Emissions