

521133/13 – DPF Ash Mileage Mismatch GEN5 Engines



Description

- Code 521133/13 – ACM Reported Ash Mileage is Lower than MCM Stored Value
 - May also log 3720/15 – DPF Ash Volume Full at low mileages
- 1st root cause - Module shuttling drove significant low mileage occurrences of this fault.
- 2nd root cause is spikes in PTCAN reading for MCM volume.

Factory Resolution

- Calibration changes implemented for all engines as part of MY22 package (MCM 19.1.1.3)
- End of line ash reset requested at truck plants but unable to be performed due to volume.
- MCM supply issues to resolve low mileage issues related to production shuttling.
 - Impacted 42% of all Saltillo-built units since 2021 until elimination on ~10/2/23.
- Changes in MY25 Software (19.5.1.3) resolved value communication spikes on 2025-built units.
 - This software applies to MY24 DD13 engines and MY22-24 DD16 as well as 2025 production.

Field Resolution

- Perform a DPF replacement routine on low mileage units using the existing DPF serial number.
 - It may be good practice to do this as part of PDI/before in-service. DPF should not be replaced.
- Plan to release separate 2021-2024 MCM software for GATS2.0 units in Q126.
- Also investigating DL8 routine to adjust ash mileage with new software (if DPF has not been replaced).

