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Cc: Dalton, Joel[Dalton.Joel@epa.gov]
From: Lee Morrie (FCA)
Sent: Thur 5/26/2016 8:31:21 PM
Subject: Oil change 5W-30 to 5W-40 - request to carryover FE data
[DS Diesel - Impact of oil specs on emissions.pptx](#)

Dave:

5W-30 - currently

ACEA – C3

5W40 – proposed

API - CJ-4

Commonly available to customers and already used in our Cummins applications

As I mentioned over the phone, the defect reports have been submitted for 14MY, 15MY, 16MY.

We have a bearing problem due to premature bearing wear due to inadequate oil film thickness at low rpm / high engine torque conditions.

The near term solution is to change the engine oil from 5W-30 to 5W-40. The higher viscosity leads to a thicker oil film at the bearing.

The attached file has data showing the negligible emissions effect due to the oil differences.

The purpose of this communication is to seek EPA concurrence and agreement from a FE perspective.

FCA has run cold city tests w/ the two oils to demonstrate that there is no emissions and FE effect due to the change in oil.