Case 2:19-cv-11044-DML-DRG ECF No. 210-7, PageID.13575 Filed 01/18/22 Page 1 of 10

Tab 6UNREDACTEDVERSION OFDOCUMENT TO BESEALED PURSUANTTO LR 5.3(b)(3)(B)(iii)

Case 2:19-cv-11044-DML-DRG ECF No. 210-7, PageID.13576 Filed 01/18/22 Page 2 of 10



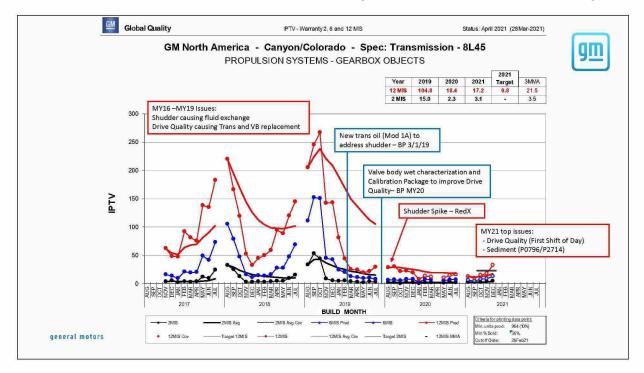
31XX2 8RWD Quality Update

Quality Council Dave Little 04/15/2021

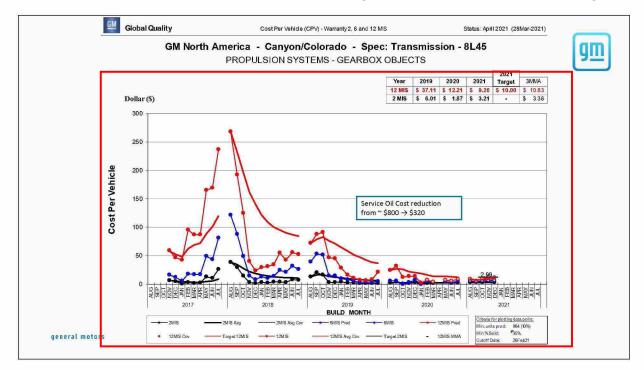


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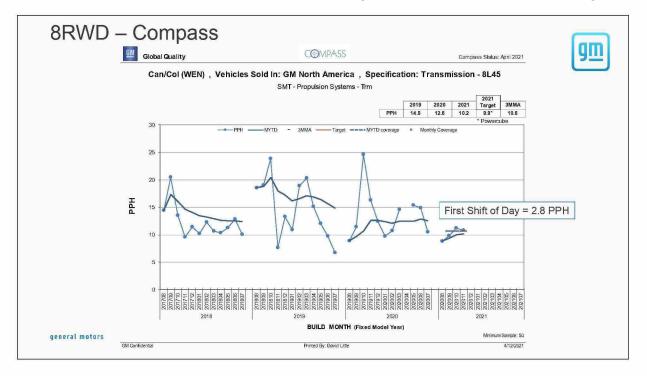
Case 2:19-cv-11044-DML-DRG ECF No. 210-7, PageID.13577 Filed 01/18/22 Page 3 of 10

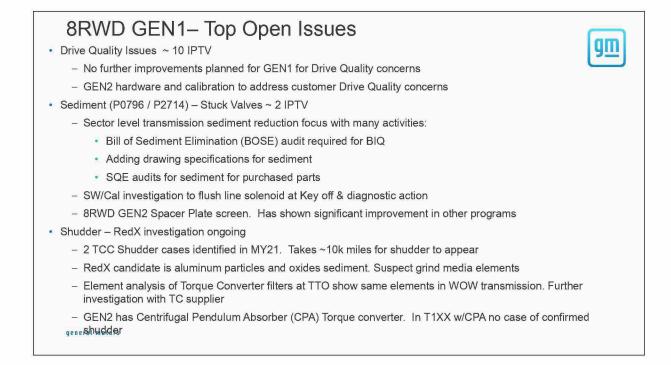


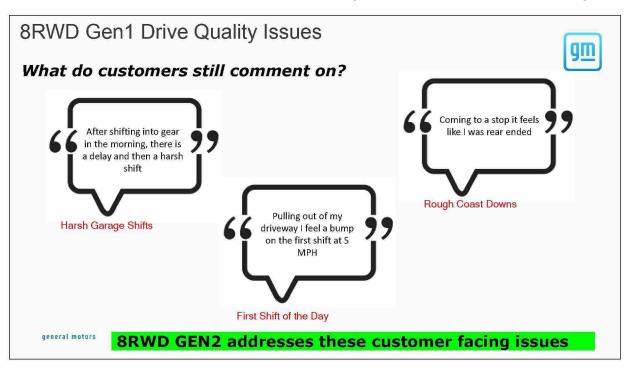
Case 2:19-cv-11044-DML-DRG ECF No. 210-7, PageID.13578 Filed 01/18/22 Page 4 of 10



Case 2:19-cv-11044-DML-DRG ECF No. 210-7, PageID.13579 Filed 01/18/22 Page 5 of 10







8RWD Gen2 Hardware Improvements										
Gen2 Change		Harsh First Shift arage Shifts of the Day		Co	Rough Coast Downs		Supplier	Plant Impact		
VB + Park Clutch Prime		0		0				SPARTAN BOURNS'	VB Mach. VB Sub. VB Test	
Electric Aux. Pump		0		C				Hanon	VB Mach. VB Sub. VB Test	
One Way Clutch	\bigcirc					٥		meansil	Case Mach. Main Line	CODIVACU Ithyssenkrup
Clutch Optimization Wave Plate & Fibers	00	C		0		٢		Mubea BorgWarner	Clutch Sub. Main Line	Hirata
general mo	otors Many other sm improvements		Coil Pack Springs	Over Drive Pump	Pressure Sensor	Cir. Speed Sensors	New Filter	Piston Seals		

8RWD Gen1 Drive Quality Issues								
Issue: How do we know Gen2 8 speed RWD will meet Top Quartile drive quality metrics?								
 Advanced Analytics team lead by Gary Cygan(DSE) to develop an integrated system model to predict variation and assess robustness to variation First use of a high fidelity model architecture to simulate hydraulics, clutch systems, full integration w/TCM and Software In The Loop Phase 1 compared Gen2 Gamma to Gen 1 								
 Phase 2 compared Gen2 Gamma to the benchmark Shift quality DOE methodology used a variation Results: ZF 8HP75 and 10R80 have excellent variation robustness 								
Gen2 Gamma performed as good or better to benchmark transmissions	2015 Pedial 1-2 Adapted Som Jerk Variation	2010 Predial 1.1 Adapted Sam Jank Variation						

