THE EFFECT OF HEAVY-DUTY DIESEL EMISSION STANDARDS ON U.S. ARMY GROUND VEHICLES

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Current 2007 compliant, on-road, heavy-duty diesel engines will not readily integrate into Army ground vehicles without modifications based on Army fuel and lubricant compatibility issues, Army mobility requirements, and Army cooling requirements. Such modifications include the removal of aftertreatment devices and the exhaust gas recirculation (EGR) system in-conjunction with recalibration of the engine for Army operating requirements. This presentation will provide an overview of Army ground vehicle requirements and the impact of current on-road emission standards on such vehicles.