DOE/CUMMINS HEAVY TRUCK ENGINE PROGRAM – EMISSIONS UPDATE

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The objective of the DOE Heavy Truck Engine Program is to achieve 50 percent brake thermal efficiency in a heavy-duty diesel engine while meeting EPA 2007 emissions regulations. Meeting these dual objectives necessitates significant investment of research and development in diesel aftertreatment for both NO_x and particulate matter and also in the integration of the engine and aftertreatment system. This paper presents a status and progress report on this program, including key results in SCR system integration, PM filter integration, and the definition of engine/aftertreatment system architecture.