

CUMMINS ENGINE COMPANY LIGHT TRUCK DIESEL PROGRAM

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The Light-Truck segment of the U. S. Automotive marketplace continues to grow well into 2000. The vehicles are becoming larger and fuel usage of this segment is greater than the Small-Car segment that it replaces. Greater fuel usage is causing more fuel imports and greater release of climate-warming gases. This is especially of interest with rapidly rising fuel prices. Cummins has responded to the above trend with the design and development of a new diesel engine, which meets the needs of this general market segment. Design of this engine

is presented along with improvements in performance achieved over prior discussions of the engine. Test results are very encouraging. Targets originally established by the Department of Energy have been achieved. Emissions results that meet the first years of the EPA Tier 2 regulations are presented. Fuel economy results, which achieve 59 percent improvement, are reported. Progress on meeting other customer demands around noise, vibration, power, acceleration, and installation are also shown