

DOE/VTP Light-Duty Diesel Engine Commercialization

Vehicle Technologies Program (VTP) spearheaded the development of clean diesel engine technologies for passenger vehicles in the 1990s, spurring the current reintroduction of highly efficient diesel vehicles into the passenger market. Cummins partnered with VTP to develop a diesel engine that meets the 50-state 2010 emissions standards while boosting vehicle fuel economy by 30% over comparable gasoline-powered vehicles. The Cummins engine is scheduled to debut



in 2010 Chrysler sport utility vehicles and pickup trucks. VTP-sponsored research demonstrated the ability of diesel passenger vehicles with advanced aftertreatment to meet EPA's stringent Tier II Bin 5 standards, representing an 83% reduction in NO_x and more than 87% reduction in PM emissions compared with the best-available diesel vehicles of the late 1990s.