

Comparison of Different Load Road Implementation Strategies on Fuel Economy of USPS Step Vans

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- WVU implements road loads on the chassis dynamometer using a method described in 40 CFR §86.1229-85 .
- The proposed method assumes a range of constants for the coefficient of rolling resistance and the coefficient of aerodynamic drag.
- The issue with this method arises due to the fact that it does not cover a wide variety of heavy duty vehicle physical characteristics.
- An alternative form of implementing road loads is to conduct on-road coastdowns and use regression analysis to determine the vehicles' characteristics.
- Tests were conducted using the FTP-75 test schedule and two USPS step vans with one being a hybridized version.

MPG Comparisons of Hybrid vs Baseline

Improper demonstration of hybrid vehicle potential

