Poster Location: P-11

Statistical Analysis of Transient Cycle Test Results in a 40 CFR Part 1065 Engine Dynamometer Test Cell

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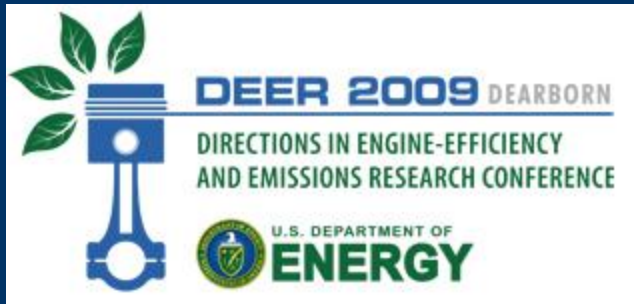

Objective

- Examine effects of “new” engine testing procedures (40 CFR Part 1065) on repeatability of Transient Engine Dynamometer Tests
  - Effects of calibration and measurement methods

Synopsis

- Transient Engine Dynamometer Tests for Heavy-Duty Diesel Engines
  - Federal Test Procedure (FTP)
  - Non-Road Transient Cycle (NRTC)
- Multiple Heavy-Duty Diesel Engines
  - Production and Non-Production
- Outlier Tests per ASTM E178-02 "Standard Practice for Dealing With Outlying Observations"
  - Daily Test Data Sets
  - Overall Test Data Sets
- Investigation into Systematic and Random Errors