Poster Location: P-16

Evaluation of a Partial Flow Dilution System for Transient Particulate Matter Emissions

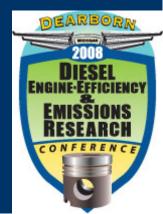
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²Caterpillar, Inc., Mossville, IL

³Sierra Instruments Emissions Systems, Monterey, CA





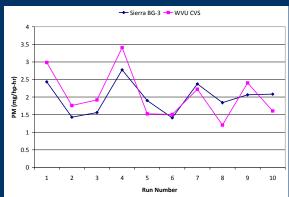


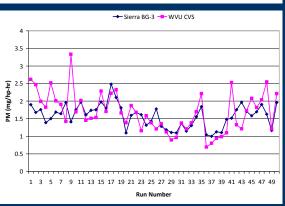
Poster Location: P-16











- Sierra Instruments Emissions Systems BG-3
 PPFSS evaluated per 40 CFR Part 1065 against WVU's CVS system
- John Deere engine equipped with Johnson Matthey CCRT®
- Non-Road Transient Cycle (NRTC)
 - 10 Cold Start Tests
 - 50 Hot Start Tests
- Results
 - Within 3.3% of CVS results for Cold Start Tests,
 6.3% for Hot Start Tests
 - BG-3 passes unpaired t and F-tests per 40 CFR 1065.12