Strategies for In-Cylinder Reductions to Reach Bin 2 and LEVIII

Air System Management to Reduce NOx and PM and Improve Fuel Economy

Poster Location P-03

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In-Cylinder Emissions Reduction Project

- Dual Loop EGR /VTG Boost System
  - Baseline: 2.0L Bin 5 Production Diesel
- Advanced Air Management Controls achieved:
  - 2% reduction in fuel consumption on FTP
  - 5% reduction in NOx, constant PM
  - Cylinder pressure feedback does job of 5 production sensors