

Advancing the shift of global commercial transportation to natural gas and hydrogen.

Calibration of a Directly Injected Natural Gas HD Engine for Class 8 Truck Applications

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Poster Outline

- High Pressure Direct Injection (HPDI) of natural gas with pilot diesel ignition for heavy duty diesel engine applications
 - Description of the HPDI system
 - Performance capability and benefits of HPDI
 - Customer applications
 - Comparison of HPDI with diesel combustion
- Discussion of CFD study and Engine testing
 - NOx versus methane emissions trade-off
 - Investigation of the unburned methane emissions
 - Strategies for controlling unburned methane emissions.