



**March 16, 2009**

**Moletech USA, Inc.  
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**Re: Moletech Fuel Saver; Proof-Of-Concept (POC) Testing**


**Executive Summary**

A Proof-Of-Concept (POC) test series was accomplished in February/March 2009 using the Moletech Fuel Saver Device. The tests were performed in cooperation with the research group of Rod's Trucking located in Santa Fe Springs, California. The test protocol included using a 2005 MY Kenworth – W9 heavy-duty truck with a CAT 472 diesel engine. The well maintained representative test vehicle had 21,000 (+) hours of operating time accumulated.

The test protocol used was in accordance with the procedures defined for over-the-road testing variables using an ECOM 5 – gas analyzer to accurately measure tailpipe emissions and fuel economy. The test results were based on the heavy-duty diesel vehicle on a run of 3,492 miles with a full load. A series of opacity tests were initially performed to establish a consistent and repeatable baseline. Following the preplanned test run the Electronic Control Module (ECM) computer was down-loaded to define data parameters for measured tailpipe emissions. These variables include: Hydrocarbons (HC); Carbon Monoxide (CO); and Nitrogen Oxides (NOx).

Recognizing the heavy-duty test vehicle was a well maintained operational unit and the diesel fuel (D-2) was CARB Low Sulfur (15 PPM-or-less), the overall test results were significant and notably important. Analysis of the database indicated an overall reduction in tailpipe emissions of 5.9% and an improvement in fuel economy of 10%. The results of the POC-test series for 'over-the-road' operations is considered important in developing a "carbon-foot-print" with respect to key emission reductions. The test results verify with a high level of confidence the viability of the Moletech Fuel Saver Device and the high probability of its providing continuing improvement with time.

A series of POC – heavy-duty laboratory tests using the Moletech device are planned for later this year and will be conducted at the California Environmental Engineering (CEE) Center for Environmental Research in Santa Ana, California. The CEE independent test laboratory is Environmental Protection Agency (EPA) recognized and California Air Resources Board (CARB) certified. Additional information concerning the tests may be directed to: (866) 490-8590.

  
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