

**Texas Commission on Environmental Quality
New Technology Research & Development (NTRD) Program
Monthly Project Status Report**

Contract Number: 582-11-13470-2019

Grantee: GE Transportation (GE)

Report for the Monthly period: January 1, 2013 – January 31, 2013

Date Submitted: February 13, 2013

Section I. Accomplishments

Provide a bulleted list of project accomplishments as well as a description of their importance to the project.

- Task 2.5: For the month of January 2013, the development team focused on procuring and installing the mounting equipment, ducting, piping and wiring harnesses for the 6L250 test engine in the Grove City, Pennsylvania, production test station. The software development team also released a test build of software customized for running the development engine in a production test cell, which has a different test station interface than the Erie, Pennsylvania, test cells. The engine was within a few days of running by the end of the month, with a week of planned testing to begin in the first week of February 2013.
- Task 2.5.1: The testing of the 6L250 development engine in Grove City, Pennsylvania, will satisfy a performance validation requirement to test variations of ambient air configurations and controls in preparation for commercialization of the Tier 3 L250 product. It will also validate the latest release of production software algorithms.
- Task 2.7: In the month of January 2013, the installation of the 8L250 development engine was completed and the performance testing was begun. First, a standard break-in of the engine was completed as the engine was previously in storage and fitted with new power assembly components. Test cell sensor validation checks and engine health checks were also performed, such as turbocharger speed measurement and engine injection timing ring validation. Fuel consumption, emissions, and power potential testing was also begun and has continued into the month of February 2013.

Indicate which part of the Grant Activities as defined in the grant agreement, the above accomplishments are related to:

2.5 The PERFORMING PARTY will obtain all final product certification and compliance approvals from the EPA and ABS for release to manufacturing of a Tier 2 certified 6L250 engine family operating at US EPA Tier 3 emissions levels.

2.5.1.1 All EPA certification testing will be completed using the 6L250 test engine and be completed in the engine test cells in Erie, PA

2.5.2.1 All ABS certification testing will be completed using the 6L250 test engine and be completed in the engine test cells in Erie, PA

2.7.1.2 The performance development will be used to develop various ratings for each engine configuration. The developed rating will include, but is not limited to the following: 8L250, 900rpm, 2679hp.

Section II: Problems/Solutions

Problem(s) Identified: Report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project

- Nothing to report

Proposed Solution(s): Report any possible solution(s) to the problem(s) that were considered/encountered

- Nothing to report

Action(s) Conducted and Results: Describe the action(s) taken to resolve the problem(s) and its effect

- Nothing to report

Section III. Goals and Issues for Succeeding Period:

Provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen

- Throughout the next month, the goal is to complete the 900 rotations per minute (rpm) rating development work for the 8L250 EPA Tier 3 engine as well as to verify the 6L250 1050 rpm rating in the Grove City GE Diesel Engine Plant test stations.

Date: February 13, 2013

Authorized Project Representative's Signature

NOTE: *Please attach any additional information that you feel should be a part of your report or that may be required to meet the deliverable requirements for tasks completed during this reporting period.*