

**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: July 1, 2012 – July 31, 2012
Date Submitted: August 5, 2012

Section I. Accomplishments

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

- Task 2.3.1.2.a/b: For the month of July 2012, the primary focus has been the turbo matching for the 900 rpm turbocharger solution and the first complete set of points has been sent for the performance map development and verification.

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

Task 2.3.1.2.: “The performance development will be used to develop various ratings for each engine configuration. The developed ratings will include, but are not limited to the following: a) 6L250, 900RPM 2009hp, b) 6L250, 1000RPM, 2232hp, c) 6L250, 1050RPM, 2344hp”

Section II: Problems/Solutions

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

- There have been some issues associated with the turbo speed sensor but after some troubleshooting, we have resolved the issues and the 900rpm rating work is back on track.
- Also, there was almost a 2-week delay focusing on having the 900rpm turbocharger installed on the engine due to a resource shortage in the testing lab.

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

- Backup sensors have been procured in order to avoid any undue delays in the future.
- Also, a review of the program schedule has been conducted with the lab manager to ensure they are aware of our deliverable timeline.

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

- Nothing further was needed as all issues have been resolved.

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

The goal for the current period is to complete the 900rpm rating and begin work on the 1000rpm.

Date: August 5, 2012

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.*