

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

Contract Number: 582-11-13470-2019
Grantee: GE Transportation
Report for the Monthly period: October 1, 2011 – October 31, 2011 **Date Submitted:** November 9, 2011

Section I. Accomplishments

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

- (2.2.1) Procure Turbocharger for submittal to packager for installation as per the specified agreed upon scope of work. The turbocharger is currently in the US but awaiting release from US Customs.
- (2.2.2) A Statement of Work has been submitted for engineering services for the design and analysis of a “Cast” version (for production readiness) of our turbocharger mounting solution.

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

- (2.2.1) The PERFORMING PARTY will procure all required Tier 3 package components to include, but not limited to: turbochargers, cam shafts, and power assembly components (pistons, piston rings, etc.).
- (2.2.2) The PERFORMING PARTY will rebuild one existing 6L250 prototype engine with the chosen Tier 3 engine configuration.

Section II: Problems/Solutions

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

There has been some delay with the turbocharger which has pushed our assembly back by several weeks. The issue has been addressed and the turbocharger is currently sitting in US Customs (New York) awaiting release. The target date for delivery to the assembler is now FW46.

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

All issues have been addressed with US Customs and the test lab has been notified of the delay. At this point, there is nothing that would indicate that the test phase of this engine should be at risk as the lab feels they can still accomplish the necessary testing in the time allotted even with the engine delivery delay.

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

The T3 NTRD Team is making improvement in the future turbocharger delivery and working with Customs by streamlining the paperwork process.

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

- With the revised test cell start date, our current plan is to install of first engine into the testing lab FW47 with a turbo match date of FW48-49 and a functional test date start in FW49. The month of November will be focused on engine installation into the lab test cell and turbo matching.
- The only notable challenge for the next (2) reporting periods will be optimizing available time of the lab personnel as we are entering (2) major holiday seasons which typically reduce our workforce due to vacation liabilities. This has been figured into our projected timeline but this flux in available personnel will need to be carefully managed.

Date: 11/9/11

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.*