

NTRD Program Disclaimers

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

Contract Number: _____ 582-5-65591-0009 _____

Grantee: ___ General Electric Transportation Rail , Erie, PA ___

Date Submitted: _____ 8/31/05 _____

Report for the **Monthly** period:

Starting Date _____ 7/17/05 _____ Ending Date _____ 8/17/05 _____

Section I. Accomplishments (*Please provide a bulleted list of project accomplishments as well as a description of their importance to the project.*)

1. New injectors debug were identified with fuel rate issue*
2. New injector were modified for proper fuel rate*
3. Modified injectors show good results*
4. Test engine was smoking too much during operation. It was repaired with new components, governor, oil pump and roots blowers.*

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

* Indicated Southwest Research Institute contractual development and test activities

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Section II: Problems/Solutions

<p>Problem(s) Identified</p> <p><i>(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)</i></p>	<p><i>Test engine smokes too much</i></p>
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<ol style="list-style-type: none"> 1. <i>Causes/Effects analysis showed problem areas</i> 2. <i>Low oil pressure – replace oil pump</i> 3. <i>Smoke – Roots blowers leaking oil</i> 4. <i>Governor hunting and leaking oil</i>
<p>Action(s) Conducted and Results</p> <p><i>(Please describe the action(s) taken to resolve the problem(s) and its effect)</i></p>	<ol style="list-style-type: none"> 1. <i>Replaced oil pump, Roots Blowers, and Governor</i> 2. <i>Engine still does not operate properly</i> 3. <i>Continure to troubleshoot</i>

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Section III. Goals and Issues for Succeeding Period: *(Please 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)*

- Repair Test Engine
- If the engine can not be fixed in time send it back to GE facility at San Luis Potosi for diagnosis and repair
- Lease SwRI 645E engine and run final FTP, Federal Test Procedure,
- Prepare the engine for final configuration for EPA certification application
- Prepare final EPA FTP Test data design review
- Sample power assemblies and analyze wear characteristics
- Repair Test Engine and ship engine to a customer for revenue field test



Date: _____ 8/31/05 _____

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.*