

Nullgrav / Rogala Generator Test

The Prototype Development Center (PDC) proposes to provide the client with a report detailing the results of certain tests performed on a generator mechanism. The testing specified in the email of 7/9/2008 from Ed Janisse to Lance Wolfe et. al. is described as:

FIRSTLY: The measurement of motor electrical load and RPM with the generator spinning, electromagnets turned on.

SECONDLY: The measurement of the motor electrical load and RPM, electromagnets turned on and the generator AC output momentarily shorted out. This will demonstrate the Rogala Generator capability to not slow down under full load. Instead of shorting out the generator output the same effect will be accomplished by putting the output into a shunt. The output will be about 10-15VAC.

The written report on this test will confirm the Rogala Generator does not slow down under full load, with the supporting measurements.

The objectives of the report are noted here but the LSSU Prototype Development Center can only assure that the report will reflect the results of the tests and can not, *a priori*, predict those outcomes or assure the contents of the report.

The Nullgrav Corporation has imposed some restrictions that have been taken into consideration in the preparation of this proposal and the testing process itself. These are noted for reference and to clearly outline the conditions under which the project is to be undertaken.

First, the unit to be tested will be available only for a short period of time; the client and the inventor Richard Rogala will bring the device to LSSU and be present during the testing. Therefore the PDC must attempt to anticipate all resources needed to perform the test in a short time period estimated to be from three to five hours.

Secondly, the scope of the testing to be provided is very specific and limited. The PDC can not from the proposed tests report an overall system efficiency value. The PDC will simply measure RPM, output power and drive motor input power. Therefore, the Prototype Development Center will only provide a report of the specific measurements requested. Future additional testing would be needed to allow the PDC to make a broader interpretation of the overall system.

This proposal anticipates engineering design, construction, setup and evaluations along with materials needed to construct the RPM measurement mechanism. The majority of these tasks will be performed by PDC engineers. Some student hours will be used in performing and documenting tests. Student work will be supervised by PDC engineers.

Transportation of the device to and from the PDC test site will be the responsibility of the client. No transportation, travel or shipping costs are included in this proposal.

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The estimated total costs for this project as described are \$940.00

The Prototype Development Center recommends that a more complete test measuring the energy input to the electromagnets be included to provide a true system efficiency value if and when the client needs that information.

The PDC could include measurements of the total power input into the system including the electromagnets to arrive at a statement of the overall system efficiency. In addition, a measurement of the output voltage waveforms both open circuit and under load could be used to assess the effects of applying the power generated to the commercial electric grid. This additional information could be useful to potential customers and investors. Such additional work would be covered under a separate project proposal at some future time if the client chooses to pursue that investigation.

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