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18 June 2015

Enerpulse, Inc.  
2451 Alamo Ave SE  
Albuquerque, New Mexico 87106

Attention: Mr. Louis S. Camilli, President/Founder

Subject: Test Data on Enerpulse, Inc. Spark Plugs

Dear Mr. Camilli:

This letter is to inform you of test results on your Pulstar, Model SBE 1/10 that you specifically designed for the Raider 40 outboard motors used for military operations.

The Raider outboards begin with a Commercial off the Shelf (COTS) engine that has been built for Mercury, Nissan and Tohatsu. We at Raider make major modifications that allow the outboards to run on JP-5/JP-8; diesel; kerosene; bio-fuels and gasoline. During these modifications we change heads; exchange carburetors with a new fuel induction system; add dewatering capability as the engines are submerged up to 18 hours at 66 feet. We are required to start the engine in less than five minutes, via pull start, after submersion.

The original spark plugs in the outboards were NGK BR7HS/10. These were not capable of burning multiple fuels; after every submersion we had to change spark plugs. The new spark plugs you designed for us; Model SBE 1/10 is remarkable. They have been in use in the Special Operations now for nine months; have not had any issues from the users. The ability to start the engines after submersion, without changing spark plugs, is key to our starting within DoD prescribed limits as they produce excellent spark even in wet cylinders.

We are now going to test the two-stroke engines to meet emissions EPA standards for two stroke engines. Between the Fuel Induction System and your spark plugs we believe we can meet this stringent requirement. Testing begins in September 2015. I will let you know results.

Sincerely,

A handwritten signature in cursive script that reads "George Woodruff".

George Woodruff  
Programs Director