



July 21, 2009

For Immediate Release

AFT has successfully completed a Phase 1 SBIR (Small Business Innovation Research) project and has submitted a draft final report. This project involved accelerated testing and analysis of a high pressure fuel injection pump running on JP-8 jet fuel. The Army has a policy to use a single fuel (JP-8) for all of their “vehicles” and engine powered equipment, including turbine powered tanks, helicopters, trucks, HUMVEES, generators, etc.

HUMVEE



Our test results show that the pump suffered high wear in a short period of time because of the fuel characteristics.

The Army is pleased with our work on this project and has invited us to make a proposal to resolve the wear problems. This proposal is valued up to \$730,000.

We received the following comments from the Army: “I’m writing about your Phase I Small Business Innovation Research (SBIR) contract# W56HZV09C0123, awarded, 1/20/2009, under the DOD SBIR Program, Topic # A08-128, Proposal Title: JP-8 Fuel Effects on High Pressure Common Rail Pumps.”

“Based on our assessment of the progress and potential of your Phase I work, you hereby are invited to submit a proposal for consideration of a possible Phase II SBIR award.”

According to the Army, “Phase II proposals submitted in response to this invitation normally involve a performance period of up to 24 months, and are eligible for up to \$730,000 in funding.” “Your Phase II proposal will be subjected to a technical review process similar to the one that was used in selecting and awarding your Phase I proposal.” “Your proposal will be reviewed for overall merit and evaluated based upon the criteria set forth in Section 4.3 of the DOD Program Solicitation (SBIR Solicitation 2008.2).” “Selections for Phase II awards are scheduled to be made 60-75 days after proposal receipt.” “We plan to award Phase II contracts no later than 6 months after proposal receipt.”

On July 19 AFT submitted a detailed proposal to resolve the wear problem using technology developed for our DME fuel injection system.