

Alternative Fuel Technology

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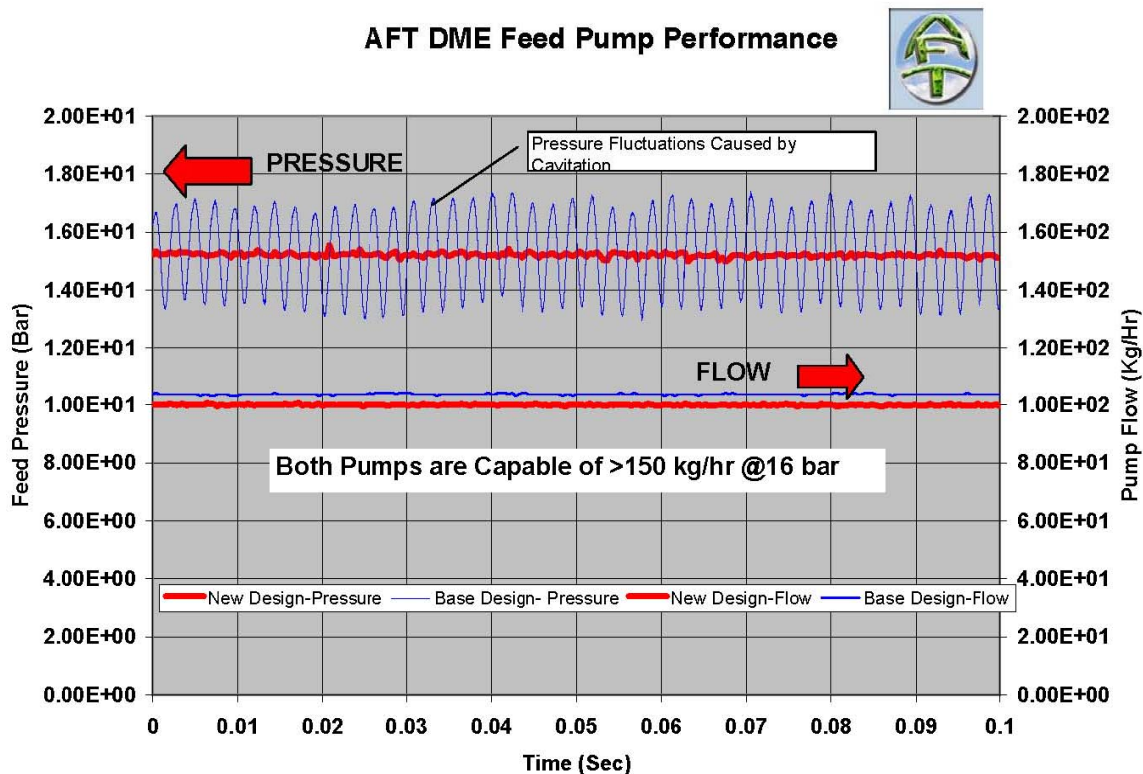
For Immediate Media Release

Alternative Fuel Technology, LLC, a wholly owned subsidiary of Alternative Fuel Technologies, Inc (Pinksheets **AFTC**) announced today that they have designed and successfully demonstrated a revolutionary new DME fuel feed pump that eliminates cavitation, lowers pump noise and improves pump efficiency.

DME, a new ultra-clean alternative fuel for diesel engines, is a liquefied gas like propane and must be slightly pressurized to keep it liquid. This is accomplished by storing DME in sealed containers (propane tanks). When fuel is pumped out of the tank it has a tendency cavitate in the feed pump's inlet, causing noise and a loss in efficiency. Cavitation is a sudden formation and collapse of bubbles in liquids by means of mechanical forces, such as those resulting from pump vanes or pistons.

In 2007, AFT developed a very reliable and compact feed pump for DME and has many running in engine laboratories and experimental vehicles in Asia, Europe and the USA. These pumps, however, produce relatively high noise levels that can be heard within the cabin of a vehicle. AFT's new pump eliminates this problem and takes DME fueled vehicles one step closer to volume production.

A graph comparing AFT's original and new pumps is shown below. Note the very high pressure fluctuations on the original pump that were caused by cavitation. The new pump exhibits extremely stable pressures.



About DME:

DME is a new alternative fuel for diesel engines that totally eliminates toxic smoke (particulate) emissions and drastically lowers NOx emissions without the benefit of expensive exhaust aftertreatment devices like particulate filters and urea regenerated NOx catalysts. The estimated cost for these devices exceeds \$10,000 for medium-duty trucks.

DME can be made from abundant biomass that does not compete with the food chain at a price that is expected to be fully competitive with petroleum based diesel fuel. When made from biomass, DME reduces CO₂ (greenhouse gas) emissions by over 90%. President Obama has pledged that the USA will "implement a domestic "[cap-and-trade](#) program to reduce greenhouse gas emissions 80 percent by 2050" with "all pollution credits to be auctioned, and proceeds will go to investments in a clean energy future, habitat protections, and rebates and other transition relief for families. DME promises to play a major part in the reduction of greenhouse gases and their effects on global climate change.

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