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Waste Oil Power Generator from Cyclone Power Technologies and Phoenix Power Group Demonstrates Clean Emissions

Pompano Beach, FL, Dec. 1, 2010. [Cyclone Power Technologies](#) (Pink Sheets: CYPW) and its licensee [Phoenix Power Group](#) (PPG) have announced positive results of preliminary emissions testing of the combustion system of the *Phoenix 10*, the first ever small-scale **waste oil power generator**.

Running on used motor oil in tests conducted by an independent third party, the *Phoenix 10* generated 30% less SO₂ and almost 50% less NO_x than a comparable generator running on diesel fuel. Acceptable emissions of SO₂ and NO_x required by many state environmental agencies are below 5 tons per year. The *Phoenix 10* demonstrated emissions of only 0.14 and 0.13 tons respectively of these toxic gases (based on a full 4368 hour year), using a **waste fuel product** that other small power systems are incapable of accepting.

The reason for these extremely clean readings is Cyclone's *WHE-25* engine which powers the *Phoenix 10*. As an **external combustion engine**, the *WHE-25* is able to combust any fuel - even used motor oils - at temperatures and pressures below where many gasses such as NO_x are formed. Other noxious particles are incinerated in the long combustion residence of the engine's cyclonic chamber. Tested on diesel fuel for comparison purposes, the *WHE-25* had approximately **one-tenth** of the SO₂ and NO_x emissions of a diesel internal combustion engine.

"We are pleased with these preliminary findings, but not surprised," stated Doug Petty, Vice President of PPG. "We know that the Cyclone engine is capable of combusting used oil in an environmentally sound manner, and thereby providing producers of this waste product with an alternative, revenue producing method of disposal."

According to the **U.S. Environmental Protection Agency**, waste oil from one oil change can contaminate 1 million gallons of fresh water. The *Phoenix 10* presents a true **economic incentive** for users of motor oil to dispose of their waste in an environmentally friendly manner instead of one which can cause great harm to our water supply.

The *Phoenix 10* prototype will be unveiled at **Power-Gen International** in Orlando, December 14-16. The system will allow thousands of oil change service centers and other waste oil producing locations to recycle their used motor oil in an **environmentally-friendly** and **profitable** manner by producing up to 10kW of electricity.

Cyclone and PPG will conduct a more broad-spectrum emission study during the system's pilot testing commencing in the beginning of 2011, and will announce those results when available. Emission testing was conducted by [Alliance Source Testing](#) of Decatur, AL.

Corporate Profile

Cyclone Power Technologies is the developer of the award-winning [Cyclone Engine](#) - an **eco-friendly** external combustion engine with the power and versatility to run everything from portable electric generators and garden equipment to cars, trucks and locomotives. Invented by company founder and [CEO Harry Schoell](#), the patented Cyclone Engine is a modern day **steam engine**, ingeniously designed to achieve high thermal efficiencies through a compact heat-regenerative process, and to run on virtually any fuel - including **bio-diesels**, **syngas** or **solar** - while emitting fewer greenhouse gases and irritating pollutants into the air. Currently in its late stages of development, the Cyclone Engine was recognized by *Popular Science Magazine* as the **Invention of the Year** for 2008, and was presented with the Society of Automotive Engineers' **AEI Tech Award** in 2006 and 2008. Additionally, Cyclone was recently named **Environmental Business of the Year** by the Broward County Environmental Protection Department. For more information, visit www.cyclonepower.com.

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