

## **NOX Emissions Nearly Zero In Tests of Cyclone Power's Steam Engine**

POMPANO BEACH, Fla., March 31, 2009. [Cyclone Power Technologies](#) (Pink Sheets: CYPW) announced results of emission testing performed on its Mark II 18HP engine running on diesel fuel. The tests demonstrated that the company's award-winning, **external combustion** technology is dramatically cleaner than current internal combustion diesel engines.

Cyclone's tests analyzed the **nitrogen oxide** (NOX) levels emitted by the company's Mark II pre-production prototype engine running under the load of a dynamometer and burning diesel fuel. These results were then compared to empirical data taken from field tests of thousands of actual diesel engines running both at full throttle and idling.

The company found that today's diesel engines typically emit between 30 and 80 times more NOX than the Cyclone Engine running the same fuel. The actual results measured in parts per million (PPM) were as follows:

	<b>Speed</b>	<b>NOX (PPM)</b>
Cyclone Mark II	-	16.20
Diesel Engine*	Full	1250.00
	Idle	500.00

\*Bridge Analyzers, Inc., Tech Support Note No. 9: *Measuring Emission from Diesel-Fueled Equipment*.

The drastic difference in NOX readings between the two types of engines is significant, as the emission of nitrous oxide has come under great scrutiny lately as a **greenhouse gas**. The proposed [Environmental Protection Agency](#) (EPA) and [California Air Resource Board](#) (CARB) 2010 standards reduce NOX emissions over 80% from the current EPA and CARB 2007 standards. In efforts to meet these new regulations, diesel engine manufacturers are being forced to incorporate exhaust after-treatment which increases both upfront equipment costs, life cycle costs and may reduce overall engine efficiency.

Cyclone Engines, by comparison, do not require any costly, efficiency-draining exhaust after-treatment. One reason for this is the Cyclone Engine burns its fuel at approximately 2,000°F, whereas NOX forms at temperatures above 2,300°F – ranges typical for both diesel and gas-powered internal combustion engines. It is also important to note that the Cyclone Engine does not idle. When no power is required from the engine it shuts off, thus NOX readings at this time – as well as carbon particulate matter and carbon dioxide (CO2) readings – are zero.

“While it is difficult to compare these results with current EPA standards,” stated Frankie Fruge, Cyclone's COO, “we believe that future mass emission testing of our engines will demonstrate that we can exceed even the most stringent environmental standards without the need for costly exhaust treatment equipment.”

Ms. Fruge continued: “With minor adjustments to our Mark II 18HP generator engine over the following months, we believe that our emissions readings will improve further. The external

combustion engine is naturally cleaner than internal combustion engines, and we expect the Cyclone to set the standard for this class.”

The company performed the tests at its Pompano Beach, FL facility using a Bridge Model 9005-03 Gas Analyzer, which uses electro-chemical sensors to measure NOX. This is the only technology certified for use on domestic and international emissions test programs such as California BAR-97 and OIML International.

#### **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](http://www.cyclonepower.com).

#### **Safe Harbor Statement**

Certain statements in this news release may contain forward-looking information within the meaning of Rule 175 under the Securities Act of 1933 and Rule 3b-6 under the Securities Exchange Act of 1934, and are subject to the safe harbor created by those rules. All statements, other than statements of fact, included in this release, including, without limitation, statements regarding potential future plans and objectives of the company, are forward-looking statements that involve risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. The company cautions that these forward-looking statements are further qualified by other factors. The company undertakes no obligation to publicly update or revise any statements in this release, whether as a result of new information, future events or otherwise.

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