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PSI Earns EPA & CARB Certification on 2.0-Liter & 2.4-Liter Engines

WOOD DALE, Ill., Jan. 22, 2013 (GLOBE NEWSWIRE) -- Cleantech engine supplier Power Solutions International, Inc. ("PSI") (OTCBB:PSIX) earned US Environmental Protection Agency (EPA) and California Air Resources Board (CARB) certification for two of its spark-ignited industrial engines, the 2.0-Liter and 2.4-Liter. Both engines meet the CARB/EPA standards for off-road, large spark-ignited (LSI) engines for mobile applications running on propane and natural gas.

The newly certified engines enable mobile industrial equipment OEMs to produce low emission products that meet increasingly stringent CARB/EPA regulations. The certified models will in turn help end-users reduce their impact on the environment, provide cleaner working environments for employees, and meet sustainability goals.

As the Manufacturer of Record, PSI takes all emission certification responsibility for the engines, as well as for engineering and applications support. The engines utilize controls, diagnostic and service platforms common to PSI's entire product line.

"PSI is committed to producing engines that meet our customers' highest performance demands, while also protecting the environment," said Gary Winemaster, CEO of PSI. "Our goal was to provide a cost-effective four cylinder on a robust automotive platform, ruggedized for industrial applications with a long term product plan. What we have produced is a high-tech, four cylinder 2.0-Liter and 2.4-Liter engine with cast iron blocks, industrial leading valve insert technology and product plan that leads into the 2020's. These certified engines will support industrial OEMs in the process of compliance and help their customers meet and exceed emission regulations for the future."

PSI developed the 2.0-Liter and 2.4-Liter engines as low-emission forklift engines filling a much needed gap in the industry. These new displacements operate at lower speeds for better fuel efficiency.

Starting with a proven base engine, PSI has upgraded select components to further improve the durability of the valvetrain. Premium valve seat inserts extend the valvetrain life to well beyond 10,000 hours when operating on gaseous fuels, while the premium camshaft and balance shaft belts extend the service interval to 5,000 hours on these components. The company has leveraged advanced fuel systems and controls to further enhance the engines' overall operation and durability. State of the art fuel controls enable seamless operation on gaseous fuels or gasoline while minimizing emission levels. The 58X crank / 1X cam position sensing for the ignition system optimizes engine performance and startability, while the inlet side thermostat enables faster warm-up and reduced thermal cycling after a cold start. Both 2.0-Liter and 2.4-Liter engines incorporate a balance shaft and structural bearing ladder for reduced noise and vibration compared to the predecessor engines.

With the certified 2.0-Liter and 2.4-Liter engines, PSI expands its product line of mobile industrial equipment power systems. The company adds these new certifications to a long list of CARB/EPA certified engines.

About PSI

Power Solutions International, Inc. (PSI) is a leader in the design, engineering and manufacture of emissions-certified, alternative-fuel power systems. PSI provides integrated turnkey solutions to leading global original equipment manufacturers in the industrial, off- and on-road markets. The company's unique in-house design, prototyping, engineering and testing capacities allows PSI to customize clean, high-performance engines that run on a wide variety of fuels including natural gas, propane, biogas, diesel, gasoline, or hybrid systems.

PSI develops and delivers complete .97 to 22 liter power systems, including the new 8.8 liter engine aimed at the industrial and on-highway markets including; medium duty fleets, delivery trucks, school buses and garbage/refuse trucks. PSI power systems are currently used worldwide in power generators, forklifts, aerial lifts, and industrial sweepers, as well as in oil and gas, aircraft ground support, agricultural and construction equipment.

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