International Newsroom

Purepower Technologies Enters Aftertreatment Business with Customer-Friendly Technology

Eaton Aftertreatment Technology Acquired to Enhance PurePOWER Technology Base

COLUMBIA, S.C., April 6, 2011 – PurePOWER Technologies LLC, a global provider of diesel power system components, has entered the diesel aftertreatment business. PurePOWER® Aftertreatment Systems addresses hydrocarbon and soot reduction utilizing diesel oxidation catalysts (DOC) and diesel particulate filters (DPF). Additional products include a zeolite-based nitrogen oxides (NOx) reduction catalyst tailored for ammonia gas dosing in a rechargeable solid medium, ammonia storage and delivery system in cartridge form. The customer-friendly technology is a generation ahead of the emissions technology being used by most commercial vehicle original equipment manufacturers (OEMs) today, which use aqueous-urea diesel exhaust fluid (DEF).

In addition to its own PurePOWER Aftertreatment system, the company has acquired the aftertreatment technology of Eaton Corporation and a Santa Clara, Calif., development lab and testing facility. Full terms were not disclosed.

“PurePOWER’s evolution to a full-service provider of diesel aftertreatment technologies and services has been part of our strategic plan to focus on the key elements of diesel development,” said PurePOWER Technologies President Houman Kashanipour. “Like fuel and air systems, diesel aftertreatment is a core technology necessary for the future success and profitability of the world’s businesses that rely on diesel-powered commercial vehicles. Further, the catalyst development capability gained through the Eaton aftertreatment technology acquisition will uniquely position PurePOWER in meeting customer aftertreatment needs.”

PurePOWER's new NOx gas reduction system stores ammonia in a stable rechargeable cartridge that has unlimited shelf life, will not deposit solids in the system, is tamper resistant and won't freeze. The PurePOWER aftertreatment system requires far less maintenance and packaging space than aqueous-urea SCR systems and no driver intervention to keep the vehicle in emissions compliance. Packaging is much more compact than liquid SCR systems and is lower cost with many more benefits for the OEM and the user.

The PurePOWER aftertreatment technology minimizes NOx emissions and particulate matter in compliance with all current global diesel emissions standards, including Environmental Protection Agency 2010 and Euro emissions standards for on-highway vehicles and through Tier IV, final stage for off-road equipment. The flexible aftertreatment system covers a broad range of diesel engine sizes and power ranges. These include displacements between 3 liters and 16 liters, and power outputs of more than 550 horsepower (410 kW).

"This technology supports our mission and customer-focused philosophy of keeping the responsibility for emissions-control on the side of the manufacturer and not put additional burdens on vehicle and equipment owners, drivers and maintainers," according to John Cagney, vice president, advanced technology and engineering for Pure POWER technologies.

PurePOWER Technologies vertically integrates research and development, engineering and manufacturing capabilities to produce world-class diesel power systems and advanced emissions control systems. Based in Columbia, S.C., PurePOWER Technologies operates a research and development center there, a manufacturing plant in nearby Blythewood, S.C., and metalcasting foundries in Waukesha, Wis., and Indianapolis, Ind. With the Eaton

aftertreatment technology deal, PurePOWER now also operates a research and development facility in Santa Clara, Calif.. For more information, visit www.PurePOWERTechnologies.com.

Media Contact: Pat McAuley, 312-422-5942
Investor contact: Heather Kos, 630-753-2406

---

https://news.international.com/news?item=475