



New Parker Technologies and Products Protect Environment and Improve Fuel Efficiency for Customers in the Global Marine Market

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MIAMI BEACH, Fla., Oct. 10 /PRNewswire-FirstCall/ -- Parker Hannifin Corporation (NYSE: PH), the global leader in motion and control technologies, today unveiled a variety of products and technologies that protect the environment and improve fuel efficiency for customers in the global marine market. The company is launching the products at the International Boatbuilders' Exhibition and Conference (IBEX) being held in Miami Beach this week.

Going Green

- Reducing Engine Crankcase Emissions -- Contaminated crankcase emissions are a serious problem for diesel engine owners. Environmental concerns and legislation to control crankcase emissions have increased significantly. To reduce the total emissions of engines, it is becoming necessary to close the crankcase breather system, routing these gases into the air intake system. The Parker Racor Closed Crankcase Ventilation System offers an effective solution to reduce contaminated crankcase emissions.
- Preventing Fuel Spillage Into Waterways -- Often, during marine refueling, fuel is spilled overboard out of the vent line. Fuel spillage is not only expensive and wasteful; it is harmful to fragile lakes, rivers and waterways. When installed in the fuel tank vent line, Parker Racor's Lifeguard Fuel/Air Separator efficiently separates air from fuel forced into the line. Only air is vented, and all fuel is returned to the tank. Reduced spillage also reduces annual fuel costs for users.
- Enabling Ethanol Blended Fuels -- Use of ethanol, an environmentally- friendly, alcohol-based fuel produced by fermenting and distilling starch crops such as corn, barley, and wheat, has increased dramatically in recent years. One effect of ethanol-blended fuel is fuel tank and fuel system component "cleansing" resulting in more contaminants in the fuel stream. Parker Racor filters trap particles in their Aquabloc II filtering media which also repels the damaging water into a drainable collection bowl. This enables engines to perform at a higher level.

Improving Fuel Efficiency

- Combating Bacteria, Fungi and Sludge Formation -- Bacteria, fungi and sludge in fuels can drain system performance. Parker Racor Diesel Biocide, a multi-functional petroleum additive, can be used to eliminate and/or prevent the growth of bacteria and fungi. The product also acts as a corrosion inhibitor. It is approved by the U.S. Environmental Protection Agency as both a biocide and aftermarket fuel additive.
- Helping Engines Breathe -- Marine engine performance can suffer dramatically in areas with unclean air. Parker Racor's latest engine air intake filters, the ECO II Series, feature high soot capacity marine-grade filter media. The filters perform longer than conventional heavy-duty, paper-type air cleaners while increasing engine capacity and lowering pressure differential for improved horsepower and fuel economy.
- Improving the Refueling Process -- Water and particulates in fuels can sap engine performance and efficiency. Parker Racor FBO high-flow fuel filtration systems remove these and other contaminants from diesel and other fuels during the refueling process, a time when fuels can easily become contaminated. The FBO design offers the added advantage of allowing filter change-outs without tools. The filters provide users with clean, dry fuel and have received Underwriters Laboratories (UL) listing for marine vessel or fuel dispensing applications.

"Protecting the environment and improving fuel efficiency are increasingly important objectives for our customers in the global

marine market," said Robin MacDonald, Marine Market Manager. "Parker's ability to develop innovative products and deliver premier customer service is helping them to meet these goals."

With annual sales exceeding \$10 billion, Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineered solutions for a wide variety of commercial, mobile, industrial and aerospace markets. The company employs more than 57,000 people in 43 countries around the world. Parker has increased its annual dividends paid to shareholders for 51 consecutive years, among the top five longest-running dividend-increase records in the S&P 500 index. For more information, visit the company's web site at <http://www.parker.com>, or its investor information site at <http://www.phstock.com>.

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