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# puraDYN® Bypass Oil Filtration Systems Used by US Department of Energy for Energy Cost-Saving Study

- *Results of the study could be incorporated into proposed energy bill –*

**Boynton Beach, FL – October 14, 2004 - puraDYN Filter Technologies Incorporated (AMEX: PFT)** announced today that the US Department of Energy (DOE) continues to evaluate the benefits of bypass oil filtration for Federal vehicles. The ongoing tests, which began in October 2002 using **pura**DYN® systems, are being conducted as part of the FreedomCAR & Vehicle Technologies Program by the Idaho National Engineering and Environmental Laboratory (INEEL). The reports and summary can be accessed on the INEEL website, http://avt.inel.gov/obp.

In conjunction with these tests, Kevin G. Kroger, President and COO, attended the Diesel Engine Emissions Reduction (DEER) conference in September. One of the topics on the agenda was the technology of bypass oil filtration and its ability to provide continuously clean engine oil to safely extend oil change intervals for heavy- and light-duty vehicles. Kroger said the testing and use of this technology represents a viable alternative to rising oil prices, dependence on foreign oil and offers a means to conserve our natural resources.

Kroger said, "The DOE has been evaluating bypass oil filtration since 2002, not only to assess the performance and benefits of the technology, but also to determine if the savings warrant the installation of these types of systems on various vehicles and pieces of equipment. To date, results of the INEEL study indicate that there is an estimated 80% savings in oil using bypass oil filtration systems. The report went on to say that using this number as the basis for estimating the potential engine oil savings of both oil use and its disposal, out of an estimated 2.1 million gallons of engine oil used annually for the entire US Federal fleet of 607,600 on-road vehicles, approximately 1.7 million gallons of engine oil could be saved per year."

Kroger continued, "While we recognize that the use of our system to conduct these tests does not constitute an endorsement, we are proud that the quality of our technology was one of the considerations in using the **pura**DYN® product as part of this evaluation. In addition, a section of the proposed National Energy Bill includes research into bypass oil filtration to analyze and quantify the potential benefits in terms of reduced demand for oil and protecting the environment. A significant decrease in oil purchases translates into not only substantial economic benefits, but also a resultant decrease in the possible environmental hazards

associated with oil disposal. The US Environmental Protection Agency states that one gallon of used oil, if improperly disposed of, could contaminate one million gallons of groundwater."

Kroger concluded, "We feel that research into this technology is prudent and timely, and we're pleased that **pura**DYN is a part of it."

The **pura**DYN® bypass oil filtration systems work with the full-flow filter to reduce solid contaminants in engine oil to below one micron with the use of its patent-pending CGP® filter element; to evaporate harmful gaseous contaminants; and to replenish the base additives so as to maintain the proper total base number (TBN) and viscosity of the oil. By maintaining continuously clean oil, oil drain intervals are significantly and safely extended thus reducing new oil purchases and waste oil disposal costs. In addition, the use of continuously clean oil can extend engine life.

## About puraDYN Filter Technologies Incorporated

**pura**DYN (AMEX: PFT) designs, manufactures and markets the **pura**DYN® Bypass Oil Filtration System, the most effective filtration product on the market today. It continuously cleans lubricating oil and maintains oil viscosity to safely and significantly extend oil change intervals and engine life. Effective for internal combustion engines, transmissions and hydraulic applications, the Company's patented and proprietary system is a cost-effective and energy-conscious solution operating in an annual $13 billion potential industry. The Company has established aftermarket programs with several of the transportation industry leaders such as Volvo Trucks NA, Mack Trucks, PACCAR; a strategic alliance with Honeywell Consumer Products Group, producers of FRAM® filtration products; and continues to market to major commercial fleets. **pura**DYN equipment has been certified as a "Pollution Prevention Technology" by the California Environmental Protection Agency.

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