



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 25 2008

OFFICE OF
AIR AND RADIATION

Mr. Larry Dimitrievski
Program Manager
PUREM North America LLC
13400 Outer Drive West
Detroit, MI 48239-4001

Dear Mr. Dimitrievski:

The U.S. Environmental Protection Agency (EPA) has reviewed your request for verification of the PUREM PMF GreenTec 230 particulate filter/catalyst. Based on our evaluation of the verification application and corresponding test data, EPA hereby verifies that this technology reduces emissions of certain criteria pollutants by the percentages described in the table below when used with ultra low sulfur diesel fuel (<15 ppm S) as compared to a baseline engine running on the same fuel.

This technology combination is approved for use on the following categories of engines and/or vehicles provided all of the required operating criteria are met as described below:

All 4-cycle non-EGR highway medium heavy-duty diesel engines up to 230 hp, including turbo-charged or naturally aspirated, mechanically or electronically injected and originally manufactured from 1998 through 2003.

Technology	Fuel (sulfur content)	Particulate Matter (PM) %	Carbon Monoxide (CO) %	Hydrocarbons (HC) %	Oxide of Nitrogen (NOx) %
PUREM PMF GreenTec 230 particulate filter/catalyst	<15 ppm	90	80	95	0

The following operating criteria must be met in order for appropriately retrofitted engines to achieve the aforementioned emissions reductions:

1. The engine should be well maintained and not consume lubricating oil at a rate greater than that specified by the engine manufacturer.
2. The engine must be operated with a fuel that contains a sulfur content of no more than 15 ppm.
3. The engine exhaust temperature must be at least 250 degrees C for 40% of the duty cycle. As there may be variations from application to application, temperature data-logging and a review of vehicle operating conditions is required prior to retrofitting a vehicle to ensure compatibility.
4. Blending of lube oil with fuel is prohibited with this product.
5. PUREM installs a backpressure monitor and high pressure indicator light on all vehicles equipped with this product.

Information on the PUREM PMF GreenTec 230 particulate filter/catalyst, percent reductions, applicable engines, and in-use testing program will be posted on the EPA's National Clean Diesel Campaign's website (www.epa.gov/cleandiesel). As you know, PUREM will be responsible for completing the required in-use testing program and for submitting all in-use testing data to EPA.

Thank you for participating in EPA's National Clean Diesel Campaign. If you have any questions or comments, please contact Jennifer Went, of my staff, at (202) 343-9302.

Sincerely,



Merrylin Zaw-Mon, Director
Transportation and Regional Programs Division
Office of Transportation and Air Quality