Proven clean fuel technology reaches the African market

Centron is a patented, EPA-registered diesel and petrol fuel saver that improves fuel economy by 10% – 20%. The product also dramatically improves air quality by reducing Nitrous Oxide output of your vehicle by approximately 42%, hydrocarbons by an average of 60% and Opacity (black smoke) by 50% or more.

"The need for business to keep in pace with the unrelenting increases in fuel, maintenance costs and heightened EPA standards has made the need of meaningful improvements in fuel economy greater than ever before," says Steve Mummery, Managing Director of Centron Energy.

"Centron clean fuel technology has proven to save money, the environment and equipment across a broad range of applications," says Mummery.

Centron has been field and laboratory tested for over seven years and 480-million kilometers and documented data demonstrates the following benefits in three critical areas:

1. Typical improvement in fuel economy of more than 5%.
2. Reductions in fleet fuel operating costs by 10% to 20%.
3. Typical reductions in harmful exhaust emission level of:

- Carbon Monoxide (CO): 37% – 57%
- Carbon Dioxide (CO2): 10% – 20%
- Hydrocarbons (HC): 53% – 67%
- Nitrous Oxide (NOx): 40% – 43%
- Opacity (Black Smoke): 27% – 81%

The product has been extensively tested on both petrol and diesel engines and the product's ability to reduce emissions. On diesel engines, for example, the average reduction in CO was 57%, reductions in HC emissions averaged 67% plus NOx and Opacity reductions averaged 50%.

"Emission results were confirmed through the use of the Palm Pilot II Quick Check Computer, which hooks up directly with the five gas EPA Probe device which is installed directly into the vehicle's tail pipe," adds Mummery.

Fuel technology reduces consumption and emissions on a Lesotho mine

Paola Trevisan from Clean Air Testing Solutions, an independent testing firm, used Centron, among other fuel additives in order to improve fuel economy and reduce harmful emissions at Letšeng Diamond Mine in Lesotho, and Centron was the only performer.

"Pollutant regulations are not only a matter of concern for engine manufacturers, but they also require policy implementation, commitment and important effort by the mining industries in order to provide environmentally friendly working procedures and conditions," says Trevisan.

"The use of fuel enhancers will help to achieve reduced emissions and improve the performance of new engines (2 000 hours or 50 000kms) as well as older engine types and thus also reducing fuel usage among both engine types."

Trevisan was contracted to perform a comparative study, which took over 14 months to complete, of the effect of a fuel enhancing additives added to 500 ppm diesel on the combustion emissions, fuel savings and related savings on maintenance and engine life on the earth moving equipment at Letšeng.

Trevisan's testing was done according to the standardised EPA protocol for cumulative effect fuel additive testing for diesel fuels, using an EPA compliant Autologic Gas analyser and the standard methodology for snap acceleration testing performed with the Autologic Opacity meter according to SAE J1667.

All-in-one package delivers:

- Improved fuel economy
- Reduced greenhouse gas emissions
- Reduced equipment and vehicle operating costs
- Fuel system and fuel injector cleaner
- Cetane and octane booster
- Maintains fuel integrity
- Contains lubricants, emulsifiers and algaecides
- Substantially increases performance
- Extended equipment life
- Improved air quality

The results of her studies and testing showed an average 9.9% fuel consumption saving, 32% emissions reduction savings (which equals a reduction of 2 968 metric tones of CO_2 per year) and a 244% return on investment, which was based on the average consumption saving figures from the testing performed, taking into account the cost of fuel, volume of fuel currently being used per month as well as the cost of Centron.

"The use of Centron resulted in cleaner, more efficient fuel combustion, thus less overall harmful emissions and improved fuel economy performance," said Trevisan.

"The results of the Centron evaluation confirm the manufacturer's claims of reduced emissions and improved fuel economy performance. Therefore it is reasonable to conclude that the potential for maintenance benefits as well as financial benefits exist when treating the entire fuel supply on a continuous basis with Centron fuel additive," concludes Trevisan.

Tomorrow's fuel technology today

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