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TRUESDAIL  
LABORATORIES, INC.

**SULFATE ANALYSIS RESULTS**

***Truesdail Laboratories, Inc.***

*Independent Testing, Forensic Science and Environmental Analyses*  
Samples captured from a Cummins N-14 diesel engine used to power a Peterbuilt Model 377 freightliner tractor

**Results:**

- 22.7% Sulfate reduction at UDDS cycle
- 13.0% Sulfate reduction at NYC Bus Cycle
- 9.5% Sulfate reduction at Steady State Cycle

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**NATIONAL ENVIRONMENTAL PERFORMANCE TRACTS**

**U.S. Environmental Protection Agency (EPA)**

Application for Southeastern Connecticut Resource Recovery Facility  
Submitted to the Massachusetts Department of Environmental Protection Agency  
Volvo front loader L-120

**Results:**

- 43.6% reduction in Carbon Dioxide (CO<sub>2</sub>)
- 47.1% reduction in Nitrogen oxide (NO<sub>x</sub>)
- 43.6% reduction in Carbon Monoxide (CO)
- 51.6% reduction in Particulate Matter (PM) greater than 2 microns

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**FINAL REPORT ON LANDFILL DIESEL VEHICLE EMISSION TESTING**

***Conducted by: CleanAir Engineering - Palatine, IL***

Demonstrating the effects on exhaust emissions and fuel efficiency on Loader Landfill Compactor, Bulldozer and Excavator.

**Results:** Substantial - See Charts

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**Venezuela Military Vehicles**

**VENEZUELA DEPARTMENT OF THE ENVIRONMENT**

**Results:**

- 41.8% Fuel Consumption Improvement

Document 20b



**PEPSI-COLA VENEZUELA, C.A.**

***Corporate Verification***

Delivery Trucks

**Results:**

- 25.8% Fuel Consumption Improvement
- 45.0% Opacity Improvement

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**RENTAR FUEL CONDITIONER EVALUATION**

***Millbrook Proving Ground, LTD Bedford England***

Volvo FL10 Tractor fitted with a Volvo 10,000 c.c. diesel engine

**Results:**

- 7.38% fuel consumption improvement
- "downward trend" NO<sub>x</sub>, CO<sub>2</sub> and PM