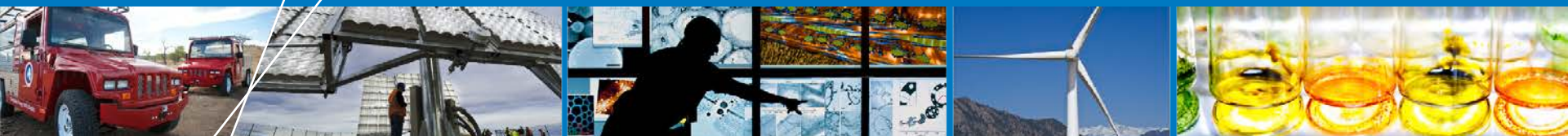


Emissions Effects of Using B20 in the Current Transit Bus Fleet



The 17th Directions in Engine-Efficiency and Emissions Research (DEER) Conference

Petr Sindler, Matthew Thornton, Mike Lammert, and Robert McCormick

October 4th 2011, Detroit MI

- Study focused on NOx emissions sensitivity to B20 blends of biodiesel fuel in the current US fleet of transit buses.
- A sample of vehicles representing the current population of transit buses were tested at NREL's Renewable Fuels and Lubricants (ReFUEL) research laboratory. Testing was performed over multiple standard drive cycles to evaluate the increase of NOx emissions through the use of B20 fuel blend.
- Testing demonstrated mostly insignificant B20 effect on NOx in comparison with technology or cycle dependence.

