

# Sylvatex MicroX™

*Using innovation  
to increase the  
global use of renewables,  
without the cost*

Sylvatex MicroX is a low-cost EPA-registered fuel additive that splash blends into petroleum diesel, biodiesel and renewable diesel. Blended into ULSD, MicroX reduces NOx emissions up to 13% and PM up to 57%. With minimal additional equipment, MicroX technology can use a variety of feedstocks and enable fuel producers to optimize for low-cost, localized, and scalable production.

- Reduces emissions without affecting performance
- Reduces carbon content of fuels
- Decreases dependence on foreign oil
- Flexible, simple, and cost-effective

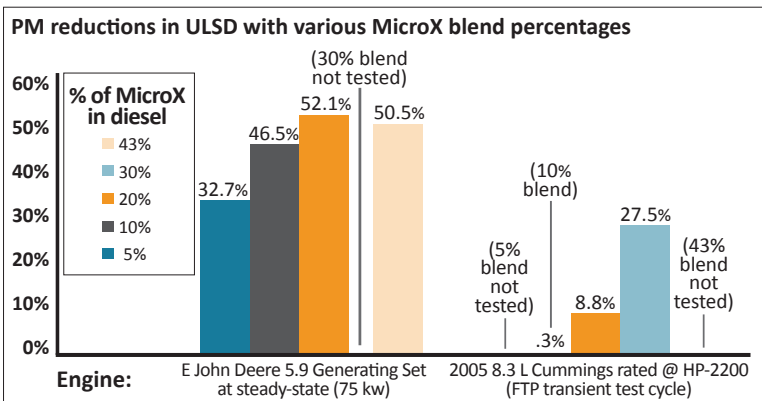
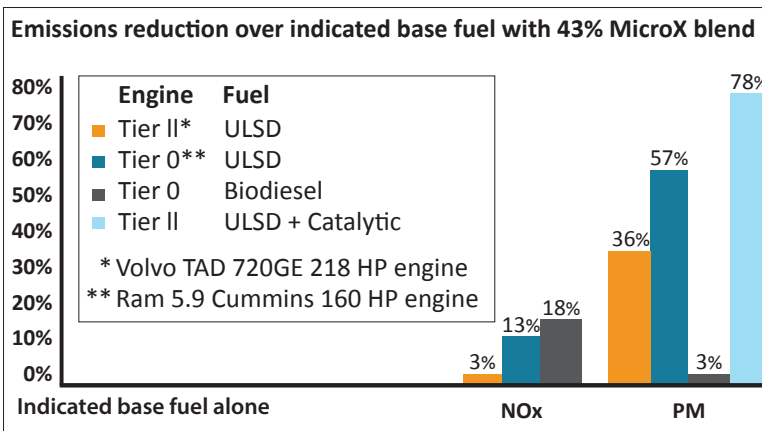


## The Sylvatex Solution - MicroX

- Reduces emissions of PM and NOx (see below)
- Increases renewable content
- Increases lubricity (197 um compared to ULSD's 520 um)
- Additive blends meet ASTM Standards in ULSD (D975) and biodiesel (D6751)

### Emissions Reductions

MicroX reduces NOx up to 13% and reduces PM up to 57% when blended with ULSD. MicroX reduces NOx up to 18% when blended with B100 biodiesel.



### MicroX In-Use Success

Sylvatex completed demonstrations on a light-duty passenger vehicle using a 43% blendstock, as well as a municipal heavy-duty dump truck at a medium (15-20%) blend. Results showed:

- No change in fuel consumption
- No change in vehicle operability or performance
- No increase in wear metal concentration in engine oil

VEHICLE	ENGINE TYPE	MILES ACCUMULATED	BLENDSTOCK % (W/W)
1997 GMC truck CAT 3116	Heavy-Duty	1,500	15-20%
1995 300c Mercedes Benz	Light-Duty	8,000	40-43%
2006 Dodge Sprinter Box cargo truck	Heavy-Duty	Ongoing	1%

## Product Applications

Additive Application defined by EPA (<1% in base fuel)

- Adds low-cost renewables to ULSD & biodiesel
- Reduces carbon intensity of the fuel
- Reduces per gallon cost for producer

### Fuel Applications (<20% in base fuel)

- Helps aging fleets running on ULSD meet emissions standards
- Reduces per gallon cost for producer

## Sylvatex - Company Overview

Sylvatex develops technology that enables the cost-effective blending of renewable components into diesel and biodiesel fuel. This technology produces cleaner-burning, higher performing fuel, while increasing profit margins. Sylvatex's key partners include Telechem International (for all demonstration projects), and a major ethanol supplier (to scale up production). Both partners supply raw materials, equipment, and facilities for fuel production and distribution.

### Highlights

- Patent protected IP
- Secured Seed and Series A funding
- Award winning technology
- Media and industry recognition (TEDx, SXSW, BiofuelsDigest, GreenTech Media)

