

City of Sevierville Biodiesel Overview

Biodiesel 301
August 26, 2009



Our Biodiesel Use History



- Began using B5 on January 4, 2005
- Increased to B10 on September 30, 2005 (built our own fuel farm)
- We increased in small increments to our current blend of B20
- Used B20 +- since May 16, 2006
- All City vehicles (including Fire Trucks) and our local Gas Company (SCUD)



Diesel Engine Inventory by Brand

Ford	21
Cummings	15
Caterpillar	14
John Deere	10
Case	9
International	8
Komatsu	6
New Holland	4
Perkins	4
Onan	3
Ingersoll Rand	2
Chevrolet	2
Detroit	2
Mack	2
<u>Kubota</u>	<u>1</u>
	103 Total



Lessons Learned...

- Our supplier is usually Rogers/McNutt/Pilot
- We try not to decrease the %
- A good Diesel Additive is Recommended
- When you start...keep extra fuel filters
- We changed filters after the first full tank
- Be ready to make road calls for clogged filters
- Better with ULSD...better lubricity, etc.



Lessons Learned...

- We try to keep fresh fuel...
our goal is 3 weeks between tank fills
- Fuel efficiency increased after the systems were cleaned out.
- Oil changes can be extended.
- Engines seem to be quieter with better Cetane quality



Lessons Learned...

- We've seen 8 –10 % increase in fuel economy since using B20.
- During the spike of high fuel prices, biodiesel blend was actually lower than diesel



Other Alternative Fuels:



For More Information

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