

User	Blend	Start Date	Fuel Supplier	Biod Producer	Spec. Req'ts?	ULSD? Y/N	Start Date	Petrod. Refiner	Date of Problem	Brief Desc. of Problem	Test?	Test Discussion
Intercity Transit	B20	Dec-02	spot bid every month, usually AP	mostly WE; some WCS	ask for ASTM 6751 but wrote own spec	Y	Feb-04	USOR & CP	N/A	no major problems; a few plugged filters (5 µm Cummins, summer only)	Y	spot samples in house; filters to oil lab in Spokane
	B40	early 04	AP	mostly WE; some WCS		Y	Feb-04	USOR & CP	N/A	6 month test w/o problems except initial filter changing.	N	N/A
City of Tacoma	B20	Nov-01	Petro Card	comes from PNWE so likely WCS w/ some WE	N/A	Y	Feb-05	USOR	Feb-05	plugged filters; req'd add'l QC at fuel supplier to restart	Y	high glycerin levels
	B20	Nov-01	Petro Card	likely WCS w/ some WE	N/A	Y	Feb-05	USOR	Nov-05	plugged filters	Y	results not back yet
	B20	Nov-05	Petro Card	some WE	N/A	N	Nov-05	USOR	N/A	N/A	N	N/A
City of Seattle	B20	early 01	AP	WE	N/A	Y	2001	USOR	N/A	occasional problems, biod related (black/dark brown, slimy precipitate)	Y	glycerin usually problem
	B20	Sep-05	AP	SB	N/A	Y	2001	USOR	Sep-05	plugged filters; City suspected glycerol contamination; SB was a one-time supplier and they pumped out ~25k gal of fuel.	N	SB took fuel and did testing. Test showed NDs for total and free glycerin.
King County Solid Waste	B5	Oct-04	AP & RP	any available	N/A	Y	Apr-02	CP	N/A	few problems, if any	N	N/A
KC Bellevue station	B5	Oct-04	AP & RP	any available	N/A	Y	Apr-02	CP	N/A	only slight issues here	N	N/A
KC Ryerson Base	B5	Oct-04	AP & RP	any available	N/A	Y	Apr-02	CP	w/in 60d. of starting biod.	major plugging w/ black slime; down to 6k mi (from 12k) filter change interval	Y	CP identified contaminated fuel had glycerin in it
Washington State Ferries	B20	Sep-04	PNWE	mostly WCS; some WE	ASTM and virgin soy feedstock	N (LSD)	N/A	unknown	whole 3 months	butterscotch mousse in fuel oil purifiers and where tanks in contact w/ Sound; black slime in filters; mat'l falls out when in boat (trucks = no slime)	Y	B100 met ASTM specs; butterscotch mousse high in Fe
	B20	Mar-05	PNWE	mostly WCS; some WE		N (LSD)	N/A	unknown	whole month			
EPA Manchester Lab	B20	Mar-04	PNWE	think WCS	think getting ASTM fuel	N (dyed, non-highway LSD)	N/A	USOR	N/A	problems in boiler not generator; don't think yellow metal is problem; fine-mesh strainers & small openings are plugged with reddish-brown mat'l w/ turpentine smell; don't know exactly when problem started (if started w/ ULSD); fuel in UST, no residue there.	N	Oil Analysis Lab, EPA's lab and West Central Soy all did testing. See Wayne's conf. call notes for details - high in metals; ULSD additive concern; methyl esters, sterols & glycerin present; ...
	B20	Oct-04	PNWE	think WCS	think getting ASTM fuel	Y (died, non-highway)	Oct-04	USOR	N/A		Y	
	B20	10/26/05	PNWE	think WCS	think getting ASTM fuel	N (died, non-highway LSD)	10/26/05	USOR	N/A			
	N/A	11/22/05	PNWE	N/A	N/A	Y (died, non-highway)	11/22/05	USOR	N/A			

**Entities who were not on the call but might have relevant information**

Brookhaven NL	B20	N/A		ASTM 6751		Y	N/A		N/A	lab test of biod & ulsd in beaker.	N	N/A
Jefferson Transit												
US Army Ft. Lewis												
US Navy												
Allred/Rabanco										Bill sent an email (10/21) that made its way to Dave Ke. me (11/3) saying he had problem when he switched to ULSD; he went back to LSD.		
Mt. Rainier Nat'l Park?												

AP = Associated Petroleum  
 CP = ConocoPhillips  
 LSD = low sulfur diesel  
 KC = King County  
 PNWE = Pacific Northwest Energy, now SC Fuels  
 PFF = Pacific Functional Fluids  
 RP = Rainier Petroleum  
 SB = Seattle Biodiesel  
 ULSD = ultra-low sulfur diesel  
 KC = King County  
 PNWE = Pacific Northwest Energy, now SC Fuels  
 PFF = Pacific Functional Fluids  
 WE = World Energy

**Add'l info that might help: location of biod production, method & route of transport, input from fuel suppliers, others? (know some of this for EPA lab)**