

			Diesel Only 8/1/2001	Ethos Only 8/22/2001	Ethos Only 9/26/2001	B20 Only 10/22/2001	B20/Ethos 12/13/2001	B20/Ethos 4/22/2003	B20/Ethos 7/29/2004	
Unit #	Yr.	Lic #	Opacity %	Opacity %	Opacity %	Opacity %	Opacity %	Opacity %	Opacity %	
55	727180	2002	N/A	N/A	N/A	N/A	N/A	1.6	2.8	
56	727181	2002	N/A	N/A	N/A	N/A	N/A	3.0	2.9	
57	727182	2002	N/A	N/A	N/A	N/A	N/A	2.0	2.7	
58	737183	2003	N/A	N/A	N/A	N/A	N/A	3.3	0.0	
59	737184	2003	N/A	N/A	N/A	N/A	N/A	1.8	0.5	
60	737185	2003	N/A	N/A	N/A	N/A	N/A	2.0	3.1	
61	737186	2003	N/A	N/A	N/A	N/A	N/A	0.0	2.8	
62	737187	2003	N/A	N/A	N/A	N/A	N/A	N/A	4.7	
63	737188	2003	N/A	N/A	N/A	N/A	N/A	N/A	1.7	
64	740451	1994	N/A	N/A	N/A	N/A	N/A	N/A	5.0	
65	740490	1994	N/A	N/A	N/A	N/A	N/A	N/A	5.5	
66	759781	1995	5U52821	27.6	17.7	O/S	37.0	32.3	67.6	72.6
67	762330	1986	5B68964	29.8	16.1	16.6	21.1	17.7	13.1	15.1
68	762332	1986	5U64581	55.9	28.1	26.1	27.6	26.0	21.6	11.0
69	762485	1986	6M50534	30.5	20.6	22.3	9.3	5.8	14.9	N/A
70	766068	1996	5J19303	13.4	8.0	6.3	0.0	0.2	4.9	3.5
71	770443	1987	3F36974	23.1	N/A	N/A	N/A	N/A	N/A	N/A
72	773120	1987	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
73	773984	1987	4L94276	49.6	41.0	33.0	31.7	26.8	N/A	32.7
74	773991	1987	6H13084	33.8	27.6	O/S	30.9	21.4	N/A	N/A
75	783768	1988	5P39599	41.2	28.3	36.3	39.0	32.1	9.3	N/A
76	784075	1988	3P64352	46.8	22.0	24.4	42.8	38.4	38.3	O/S
77	784078	1988	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.1
78	790198	1999	3U45822	23.6	15.1	12.3	7.8	3.0	4.9	5.3
79	790202	1989	6N36932	42.8	31.9	35.6	21.9	22.5	19.5	16.2
80	790765	1999	5W88537	18.0	6.2	1.4	5.9	0.0	8.7	8.4
81	790978	1999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.1
82	791445	1989	4F88803	30.8	26.1	24.5	N/A	N/A	15.1	12.7
83	791455	1989	5G48865	13.8	5.9	2.7	7.9	89.9	26.2	36.2
84	799336	1999	5U66528	5.9	4.5	3.8	2.8	1.7	11.3	13.5
85	799337	1999	5U66535	5.1	4.0	2.3	3.0	0.6	10.2	10.1
86	911088	1991	N/A	N/A	N/A	N/A	N/A	N/A	6.8	5.1
87	981003	1999	N/A	N/A	N/A	N/A	N/A	N/A	2.2	3.5
			1269.9	751.4	629.0	616.3	510.0	577.3	598.7	

Average Opacity **21.5** **13.7** **11.6** **11.4** **9.6** **10.1** **9.4**
Percent Reduction **-37%** **-46%** **-47.0%** **-55.3%** **-52.9%** **-56.5%**

Notes:

1. Initial Opacity test was done 8/1/01 on entire fleet using diesel fuel without treatment.
2. Ethos FR was added to the central storage tank at a rate of 2 oz. per 10 gallons = 12,000 gal.tank diesel treated with 19 gallons of Ethos FR
3. Opacity tests were done on 8/22/01 in order to check fleet performance
4. Ethos FR was added to the central tank weekly through 9/26/01 at the rate of 1 oz. per 10 gallons of diesel.(only to the added weekly fuel)
5. Ending opacity was done 9/26/01 and compared with initial tests.
6. Trucks ran on B20 only from 10-05-01 to 10-22-01.
- 7.Opacity tests were done on 10-22-01 in order to check fleet performance with B20 only.
8. Ethos was added to the central tank on 10-25-01 at the rate of 2 oz per 10 gallons and in the crankcases of six trucks.
9. Opacity tests were performed 10-29-01 for sampling of performance of B20/Ethos combination.
10. Ethos Fr was added to the central tank weekly through 4-22-03 at a rate of 1oz per 10 gallons of diesel (only to added weekly fuel).
11. Ending opacity was done 12-13-01 and compared with initial tests.
- 12.Opacity tests were performed on the entire fleet on 4-22-03 having then used B20/Ethos and having all the crankcases treated for one year.
13. Opacity tests were performed on the entire fleet on 7-29-04 and compared with initial tests in order to check fleet performance.
14. Ending opacity was done 7-28-05 and compared with initial tests.
- 15.Opacity tests were done as per State of California Heavy-Duty Vehicle Inspection Prog. standards utilizing SAE J1667 standard opacity meters.

*Not included in average reduction calculation due to truck's mechanical failures.

N/A=not available

O/S=out of service