

Executive Summary Report

SMOG CHECK Statewide

Third Quarter 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,399,589	305,128	12.72%
Total	2,832,247	408,230	14.41%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,048,368	85.36%	351,221	14.64%
Total	2,356,883	83.22%	475,364	16.78%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,166,449	85.11%	204,006	14.89%
Total	1,355,511	83.73%	263,338	16.27%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	57,579	2.40%
All Emissions	185,156	7.72%
All Visual	33,122	1.38%
All Functional	175,212	7.30%
OBDII	78,823	3.28%
Overall	305,128	12.72%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	670,228	590,260
Directed Vehicles	700,227	576,189
Total	1,370,455	1,166,449

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	125,743	107,808
Directed Vehicles	597	94
Total	126,340	107,902

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,940	292	535	49	0	5,816
Test Only	2,083	38	17	1	0	2,139
Basic Area Dealer	1	1	121	0	0	123
Gold Shield	434	28	66	69	0	597
Business Fleet	6	1	0	0	0	7
Permanent Fleet Registered	36	1	6	0	0	43
Referee	34	0	6	1	0	41
Government Fleet	241	8	36	2	0	287
Unknown Type	1	0	0	0	0	1
Total	7,776	369	787	122	0	9,054

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,906,415	247,717	12.99%	45,724	2.40%
Partially Enhanced	109,861	15,754	14.34%	3,025	2.75%
Basic	213,730	24,258	11.35%	5,618	2.63%
Change of Ownership	18,461	2,663	14.43%	771	4.18%
No Program	17	2	11.76%	0	0.00%
Unknown Program	151,105	14,734	9.75%	2,441	1.62%
Total Program Area	2,399,589	305,128	12.72%	57,579	2.40%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,370,455	198,697	14.50%	40,636	2.97%
Regular	878,166	87,416	9.95%	13,461	1.53%
Basic Area Dealer	16,443	878	5.34%	147	0.89%
Gold Shield in Enhanced Area	92,899	11,705	12.60%	1,833	1.97%
Gold Shield in Basic Area	20,675	2,999	14.51%	712	3.44%
Gold Shield in COO Area	12,766	1,687	13.21%	499	3.91%
Business Fleet	65	2	3.08%	0	0.00%
Permanent Fleet Registered	524	40	7.63%	5	0.95%
Referee	2,599	1,229	47.29%	235	9.04%
Government Fleet	4,993	473	9.47%	51	1.02%
Unknown Privilege	4	2	50.00%	0	0.00%
Total	2,399,589	305,128	12.72%	57,579	2.40%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1955	3	1	33.33%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1966	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1967	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	6	3	50.00%	50.00%	16.67%	0.00%	16.67%	0.00%
MY-1970	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	3	1	33.33%	33.33%	33.33%	33.33%	33.33%	0.00%
MY-1972	3	3	100.00%	100.00%	66.67%	100.00%	66.67%	0.00%
MY-1973	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	33	5	15.15%	12.12%	0.00%	9.09%	9.09%	0.00%
MY-1975	56	13	23.21%	19.64%	8.93%	14.29%	5.36%	0.00%
MY-1976	4,959	1,356	27.34%	21.25%	10.30%	13.57%	7.52%	0.00%
MY-1977	7,403	1,919	25.92%	19.37%	8.86%	14.06%	7.40%	0.00%
MY-1978	8,485	2,267	26.72%	20.28%	9.37%	13.54%	8.07%	0.00%
MY-1979	9,283	2,729	29.40%	23.62%	11.59%	14.90%	8.49%	0.00%
MY-1980	5,913	1,626	27.50%	21.82%	10.98%	14.90%	7.97%	0.00%
MY-1981	7,280	2,229	30.62%	25.62%	11.79%	15.38%	8.41%	0.00%
MY-1982	8,247	2,493	30.23%	24.99%	11.73%	15.57%	7.68%	0.00%
MY-1983	12,199	3,523	28.88%	23.81%	10.98%	14.43%	7.25%	0.00%
MY-1984	21,404	6,550	30.60%	25.55%	12.51%	15.53%	6.79%	0.00%
MY-1985	29,489	8,351	28.32%	23.35%	10.89%	14.20%	6.01%	0.00%
MY-1986	44,781	11,578	25.85%	20.76%	9.39%	13.19%	4.65%	0.00%
MY-1987	50,194	13,798	27.49%	22.75%	9.34%	13.23%	4.33%	0.00%
MY-1988	61,243	14,752	24.09%	19.60%	7.39%	11.70%	3.41%	0.00%
MY-1989	80,076	16,732	20.90%	16.37%	5.80%	10.14%	2.73%	0.00%
MY-1990	88,727	17,017	19.18%	15.24%	5.18%	8.81%	2.12%	0.00%
MY-1991	101,720	17,485	17.19%	13.42%	4.23%	7.68%	1.73%	0.00%
MY-1992	98,882	15,598	15.77%	12.32%	3.79%	6.68%	1.58%	0.00%
MY-1993	116,185	19,860	17.09%	13.91%	3.12%	6.36%	1.51%	0.00%
MY-1994	147,230	19,003	12.91%	10.04%	2.03%	4.85%	1.27%	0.00%
MY-1995	131,305	16,409	12.50%	9.30%	1.90%	4.93%	1.27%	0.00%
MY-1996	183,146	26,106	14.25%	5.59%	0.79%	10.33%	0.80%	9.31%
MY-1997	140,456	18,294	13.02%	4.58%	0.80%	9.83%	0.74%	8.89%
MY-1998	256,268	21,351	8.33%	2.50%	0.40%	6.42%	0.43%	5.83%
MY-1999	145,417	11,413	7.85%	1.72%	0.33%	6.46%	0.45%	5.89%
MY-2000	412,501	22,810	5.53%	0.83%	0.17%	4.80%	0.29%	4.35%
MY-2001	66,507	3,739	5.62%	0.66%	0.13%	5.04%	0.26%	4.44%
MY-2002	68,584	2,882	4.20%	0.40%	0.10%	3.80%	0.16%	3.29%
MY-2003	30,872	1,034	3.35%	0.25%	0.07%	3.04%	0.19%	2.56%
MY-2004	21,829	732	3.35%	0.25%	0.08%	3.07%	0.13%	2.64%
MY-2005	20,669	756	3.66%	0.14%	0.04%	3.39%	0.18%	2.99%
MY-2006	17,351	641	3.69%	0.16%	0.09%	3.53%	0.12%	3.26%
MY-2007	869	64	7.36%	0.12%	0.00%	7.13%	0.12%	6.67%
MY-2008	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,399,589	305,128	12.72%	7.72%	2.40%	7.30%	1.38%	3.28%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	2,261
Certificate of Non Compliance	8
Parts Cost	271
Hardship Extensions	269
Exempt Vehicle	114
Exempted by Directive	488
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	3,420

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,141
Stations Locked-Out at Least Once	2,187
Stations Conducted at Least One Test	7,913

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,531	6,140
EA	Gas Endorsement	20	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	602	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,243,601	48.62	115,245	48.63	1,358,846	48.62
Test and Repair	622,827	46.50	243,708	43.97	866,535	45.79
Test and Repair Dealer	55	44.18	16,442	47.82	16,497	47.81
Referee	1,836	30.00	491	30.00	2,327	30.00
Gold Shield in Enhanced Area	72,065	46.48	21,488	43.00	93,553	45.68
Gold Shield in Basic Area	39	71.38	20,938	36.60	20,977	36.67
Gold Shield in COO Area	471	48.24	12,450	47.27	12,921	47.31

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	22,909	22.56	76,081	200.97
	\$51-150	20,104	99.99		
	\$151-250	12,698	199.17		
	\$251-450	12,632	336.03		
	Over \$450	7,738	774.01		
CAP Repairs	\$1-50	589	26.77	9,167	313.37
	\$51-150	1,247	104.65		
	\$151-250	1,688	202.94		
	\$251-450	3,389	345.99		
	Over \$450	2,254	537.39		
Total Repairs	\$1-50	21,124	22.82	78,860	230.32
	\$51-150	17,901	100.34		
	\$151-250	13,576	199.61		
	\$251-450	15,626	339.24		
	Over \$450	10,633	740.50		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	8,096	313.37

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	31	3	1	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Referee	13	4	0	0	1	3	2	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	159	23	5	0	4	12	16	2
Acceleration Simulation Mode (ASM)	Basic	Test Only	122	22	5	2	4	15	11	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	24	6	2	0	0	6	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	17	2	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	33	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	25	7	1	1	1	3	4	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	358	43	5	3	16	21	26	5
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	49,736	6,769	716	382	2,861	3,222	4,364	698
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	215	19	1	83	109	110	1
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	140	18	0	0	11	4	14	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	853	860	146	355	170	462	433	469
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	444,323	50,306	6,256	2,577	18,878	25,237	32,242	4,767
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	994,164	177,466	36,187	9,989	35,696	121,280	95,237	19,178
Acceleration Simulation Mode (ASM)	No Program	Test Only	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	26	4	0	1	1	1	2	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,048	1,584	343	78	373	1,054	829	174
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	5	0	0	2	2	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	31	47	5	26	10	23	28	31
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	48,370	8,574	1,543	508	1,943	5,488	4,653	914
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	24	5	0	0	3	2	3	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Test Only	26,625	4,785	928	319	1,094	3,081	2,506	615
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	32	3	1	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,410	760	133	43	248	418	449	107
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	172	14	1	43	120	59	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	160	108	22	40	32	52	69	58
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	49,196	5,147	689	275	2,057	2,610	3,250	501
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	39,004	5,542	1,049	294	1,887	3,292	3,324	613
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	2	2	0	1	1	1	1	1
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	13,979	2,589	628	192	513	1,216	1,603	365
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	756	102	28	7	27	59	53	13
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	8,732	1,416	334	108	372	651	925	212
Two Speed Idle (TSI)	Basic	Government Fleet	0	19	6	0	7	10	9	0
Two Speed Idle (TSI)	Basic	Referee	102	76	21	34	12	37	42	43
Two Speed Idle (TSI)	Basic	Test and Repair	127,191	16,281	3,676	995	4,022	7,430	10,509	1,951
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	11,216	654	131	21	212	258	418	66
Two Speed Idle (TSI)	Basic	Test Only	20,210	3,069	783	168	777	1,526	1,731	388
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	394	84	23	6	11	47	43	17
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,335	1,108	350	74	167	666	606	155
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	380	106	28	7	17	57	57	15
Two Speed Idle (TSI)	Change of Ownership	Referee	7	20	5	11	4	11	15	16
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	6,582	948	251	74	225	480	613	143
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	143	7	2	0	3	2	5	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,361	382	110	21	79	202	228	38
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,378	120	12	6	63	31	93	11
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,095	115	16	3	55	38	82	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	7,258	788	215	53	274	380	475	114

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	44	10	0	14	20	24	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	209	22	5	3	0	8	10	7
Two Speed Idle (TSI)	Enhanced	Referee	119	79	19	33	27	24	47	47
Two Speed Idle (TSI)	Enhanced	Test and Repair	56,867	4,088	691	195	1,909	1,388	2,918	371
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,584	95	5	1	66	9	86	2
Two Speed Idle (TSI)	Enhanced	Test Only	72,953	6,680	1,421	291	2,895	2,699	4,330	545
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	144	10	3	0	3	4	7	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	583	93	25	13	26	45	49	22
Two Speed Idle (TSI)	Partial	Referee	9	7	5	2	1	5	2	2
Two Speed Idle (TSI)	Partial	Test and Repair	4,760	443	130	31	125	230	267	63
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	172	10	0	0	7	2	8	0
Two Speed Idle (TSI)	Partial	Test Only	2,079	183	43	11	56	95	99	26
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,300	189	45	15	71	84	125	22
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,095	308	99	21	74	160	195	49
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,689	186	38	13	76	76	133	29
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	18	2	0	3	11	7	0
Two Speed Idle (TSI)	Unknown Program	Referee	83	28	12	7	6	15	13	11
Two Speed Idle (TSI)	Unknown Program	Test and Repair	19,623	1,599	218	94	817	457	1,251	169
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,894	107	9	3	76	12	94	4
Two Speed Idle (TSI)	Unknown Program	Test Only	8,906	565	110	37	307	185	394	58