

Executive Summary Report

SMOG CHECK Statewide

Third Quarter 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,344,455	289,874	12.36%
Total	2,745,997	385,583	14.04%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,015,897	85.99%	328,558	14.01%
Total	2,303,649	83.89%	442,348	16.11%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,201,088	85.77%	199,225	14.23%
Total	1,384,370	84.44%	255,041	15.56%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	50,830	2.17%
All Emissions	165,929	7.08%
All Visual	32,161	1.37%
All Functional	172,525	7.36%
OBDII	87,153	3.72%
Overall	289,874	12.36%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	679,263	605,236
Directed Vehicles	721,050	595,852
Total	1,400,313	1,201,088

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	117,917	101,410
Directed Vehicles	9,922	7,352
Total	127,839	108,762

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,672	292	551	40	0	5,555
Test Only	2,155	44	22	1	0	2,222
Basic Area Dealer	0	1	119	0	0	120
Gold Shield	416	27	64	76	0	583
Business Fleet	5	1	0	0	0	6
Permanent Fleet Registered	35	1	5	0	0	41
Referee	35	0	6	1	0	42
Government Fleet	242	9	37	2	0	290
Unknown Type	1	0	0	0	0	1
Total	7,561	375	804	120	0	8,860

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,860,197	234,731	12.62%	40,277	2.17%
Partially Enhanced	110,387	15,763	14.28%	2,734	2.48%
Basic	217,317	23,999	11.04%	5,078	2.34%
Change of Ownership	17,194	2,338	13.60%	691	4.02%
No Program	14	1	7.14%	0	0.00%
Unknown Program	139,346	13,042	9.36%	2,050	1.47%
Total Program Area	2,344,455	289,874	12.36%	50,830	2.17%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,400,313	194,687	13.90%	36,193	2.58%
Regular	792,766	75,304	9.50%	11,152	1.41%
Basic Area Dealer	15,146	750	4.95%	104	0.69%
Gold Shield in Enhanced Area	92,775	12,546	13.52%	1,890	2.04%
Gold Shield in Basic Area	22,451	3,372	15.02%	763	3.40%
Gold Shield in COO Area	12,613	1,670	13.24%	470	3.73%
Business Fleet	45	0	0.00%	0	0.00%
Permanent Fleet Registered	197	22	11.17%	5	2.54%
Referee	2,213	1,001	45.23%	213	9.62%
Government Fleet	5,930	522	8.80%	40	0.67%
Unknown Privilege	6	0	0.00%	0	0.00%
Total	2,344,455	289,874	12.36%	50,830	2.17%

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-1953	1	1	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	1	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	2	2	100.00%	50.00%	0.00%	50.00%	0.00%	0.00%
MY-1967	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	1	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
MY-1969	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	3	1	33.33%	0.00%	0.00%	33.33%	33.33%	0.00%
MY-1972	4	1	25.00%	25.00%	25.00%	25.00%	25.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	9	2	22.22%	22.22%	0.00%	11.11%	11.11%	0.00%
MY-1975	49	11	22.45%	18.37%	10.20%	10.20%	4.08%	0.00%
MY-1976	4,314	1,189	27.56%	21.56%	10.45%	14.44%	8.65%	0.00%
MY-1977	6,403	1,683	26.28%	19.46%	9.50%	13.18%	7.70%	0.00%
MY-1978	7,140	1,898	26.58%	20.42%	9.76%	13.61%	7.34%	0.00%
MY-1979	8,154	2,322	28.48%	22.91%	11.38%	13.82%	8.33%	0.00%
MY-1980	4,891	1,382	28.26%	22.55%	11.49%	14.29%	8.18%	0.00%
MY-1981	5,752	1,671	29.05%	23.85%	11.18%	14.95%	8.15%	0.00%
MY-1982	6,780	1,969	29.04%	23.94%	11.56%	14.97%	7.42%	0.00%
MY-1983	9,704	2,759	28.43%	23.63%	11.12%	14.27%	7.17%	0.00%
MY-1984	17,251	5,258	30.48%	25.49%	12.74%	15.23%	7.23%	0.00%
MY-1985	23,772	6,757	28.42%	23.54%	11.12%	14.00%	5.90%	0.00%
MY-1986	36,076	9,236	25.60%	20.47%	9.10%	12.98%	5.04%	0.00%
MY-1987	40,322	10,776	26.72%	22.12%	9.11%	12.54%	4.49%	0.00%
MY-1988	49,807	11,717	23.52%	19.08%	7.30%	11.34%	3.65%	0.00%
MY-1989	66,343	14,020	21.13%	16.51%	5.82%	10.14%	3.06%	0.00%
MY-1990	75,710	14,778	19.52%	15.38%	5.25%	9.03%	2.48%	0.00%
MY-1991	88,376	15,577	17.63%	13.81%	4.41%	7.86%	2.00%	0.00%
MY-1992	85,745	14,066	16.40%	12.82%	4.00%	7.08%	1.83%	0.00%
MY-1993	107,294	18,976	17.69%	14.47%	3.32%	6.68%	1.69%	0.00%
MY-1994	108,480	16,125	14.86%	11.58%	2.48%	5.73%	1.64%	0.00%
MY-1995	172,703	20,097	11.64%	8.52%	1.74%	4.60%	1.25%	0.00%
MY-1996	105,083	18,040	17.17%	6.95%	1.16%	12.52%	1.09%	11.38%
MY-1997	206,113	24,611	11.94%	4.17%	0.68%	9.01%	0.73%	8.13%
MY-1998	137,860	15,490	11.24%	3.33%	0.55%	8.84%	0.68%	8.10%
MY-1999	262,655	18,536	7.06%	1.60%	0.28%	5.75%	0.45%	5.28%
MY-2000	114,861	9,113	7.93%	1.45%	0.31%	6.81%	0.46%	6.20%
MY-2001	395,091	24,518	6.21%	0.64%	0.14%	5.66%	0.32%	5.23%
MY-2002	57,714	2,685	4.65%	0.59%	0.12%	4.08%	0.28%	3.60%
MY-2003	62,775	2,122	3.38%	0.36%	0.11%	3.05%	0.14%	2.57%
MY-2004	25,419	940	3.70%	0.18%	0.07%	3.41%	0.21%	2.79%
MY-2005	19,268	642	3.33%	0.23%	0.06%	3.04%	0.14%	2.56%
MY-2006	17,972	536	2.98%	0.19%	0.06%	2.72%	0.12%	2.39%
MY-2007	14,032	351	2.50%	0.21%	0.08%	2.31%	0.11%	2.03%
MY-2008	520	12	2.31%	0.19%	0.00%	2.12%	0.00%	2.12%
MY-2009	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	100.00%
All Model Years	2,344,455	289,874	12.36%	7.08%	2.17%	7.36%	1.37%	3.72%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,957
Certificate of Non Compliance	5
Parts Cost	281
Hardship Extensions	458
Exempt Vehicle	103
Exempted by Directive	336
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	3,149

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,065
Stations Locked-Out at Least Once	1,117
Stations Conducted at Least One Test	7,795

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,174	5,944
EA	Gas Endorsement	15	0
EB	Both Endorsement	67	0
EB	Gas Endorsement	576	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	1,262,096	48.12	130,068	48.45	1,392,164	48.15
Test and Repair	541,094	46.52	245,607	44.35	786,701	45.84
Test and Repair Dealer	35	70.57	15,137	46.88	15,172	46.93
Referee	1,269	30.00	485	30.00	1,754	30.00
Gold Shield in Enhanced Area	69,761	46.51	23,651	41.94	93,412	45.36
Gold Shield in Basic Area	135	63.81	22,642	33.76	22,777	33.94
Gold Shield in COO Area	88	70.10	12,719	48.73	12,807	48.88

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	21,153	22.22	69,216	209.19
	\$51-150	17,517	101.01		
	\$151-250	11,165	199.09		
	\$251-450	11,852	335.02		
	Over \$450	7,529	803.11		
CAP Repairs	\$1-50	524	26.54	9,993	335.18
	\$51-150	1,080	105.40		
	\$151-250	1,608	203.20		
	\$251-450	3,761	348.96		
	Over \$450	3,020	524.03		
Total Repairs	\$1-50	18,910	22.45	71,858	248.11
	\$51-150	14,970	101.19		
	\$151-250	11,754	199.72		
	\$251-450	14,983	339.61		
	Over \$450	11,241	752.03		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	8,967	335.18

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	14	3	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Referee	3	4	1	1	1	2	1	1

	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	168	32	7	0	11	21	20	3
Acceleration Simulation Mode (ASM)	Basic	Test Only	144	21	1	2	6	16	11	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	11	3	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	18	3	1	0	0	3	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	107	14	2	1	4	8	8	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	73	6	0	1	1	3	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	48,100	7,689	989	431	3,106	3,569	5,039	881
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	258	15	2	113	115	146	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	666	661	132	273	130	369	340	355
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	380,385	40,006	4,724	1,983	17,509	17,995	27,389	3,578
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,015,155	173,010	32,145	9,613	43,161	111,827	96,440	19,123
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	11	3	0	0	2	2	2	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	6,405	1,449	249	72	405	909	809	177
Acceleration Simulation Mode (ASM)	Partial	Referee	32	51	12	24	15	28	29	35
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	49,465	8,759	1,449	515	2,310	5,321	4,852	1,016
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	22	4	0	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	26,771	4,673	831	289	1,196	2,920	2,500	575
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	3,990	645	83	52	240	347	412	101

	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)	Unknown Program	Government Fleet	0	176	10	0	55	112	68	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	154	83	18	35	16	41	55	50
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	42,815	4,250	569	240	1,779	2,035	2,802	448
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	39,165	5,029	881	328	1,830	2,891	3,044	604
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	16,137	3,044	717	211	667	1,399	1,851	449
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	611	84	19	15	20	43	54	16
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	9,993	1,540	317	95	432	613	1,027	243
Two Speed Idle (TSI)	Basic	Government Fleet	0	13	2	1	7	4	8	1
Two Speed Idle (TSI)	Basic	Referee	90	86	18	38	17	33	60	49
Two Speed Idle (TSI)	Basic	Test and Repair	127,029	15,403	3,220	876	4,365	6,624	10,080	1,892
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	10,892	616	95	32	207	220	400	64
Two Speed Idle (TSI)	Basic	Test Only	22,022	3,152	681	209	900	1,442	1,849	472
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	122	28	4	3	11	10	20	10
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,726	1,091	348	78	209	646	610	151
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	292	68	20	6	19	26	49	10
Two Speed Idle (TSI)	Change of Ownership	Referee	12	13	3	5	0	5	8	8
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,710	745	205	58	221	373	477	98
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	125	7	1	2	3	2	5	2
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,483	379	108	24	101	208	216	50
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,171	120	18	9	69	24	100	13
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,205	119	12	7	58	35	89	11
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	8,117	883	179	53	398	331	584	119
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	59	11	4	18	26	29	5
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	104	13	4	0	0	10	6	2
Two Speed Idle (TSI)	Enhanced	Referee	132	69	12	29	24	18	44	41
Two Speed Idle (TSI)	Enhanced	Test and Repair	62,433	4,173	634	204	2,168	1,232	3,167	406
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,243	57	2	2	43	4	52	3

	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	Test Only	84,016	7,590	1,398	321	3,693	2,757	5,145	645
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	126	16	2	1	8	6	13	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	106	14	2	0	7	5	10	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	638	74	22	3	30	33	53	7
Two Speed Idle (TSI)	Partial	Referee	9	3	1	2	0	1	2	3
Two Speed Idle (TSI)	Partial	Test and Repair	5,179	464	111	23	162	213	289	47
Two Speed Idle (TSI)	Partial	Test Only	2,247	244	55	19	89	99	155	42
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,205	147	20	12	62	44	111	25
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,010	354	89	31	97	183	215	52
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,597	195	31	15	84	64	135	31
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	11	2	0	6	5	7	0
Two Speed Idle (TSI)	Unknown Program	Permanent Fleet Registered	6	3	1	0	0	1	2	1
Two Speed Idle (TSI)	Unknown Program	Referee	89	30	15	7	4	18	10	12
Two Speed Idle (TSI)	Unknown Program	Test and Repair	17,456	1,469	233	82	692	447	1,118	156
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,521	63	6	2	41	11	53	4
Two Speed Idle (TSI)	Unknown Program	Test Only	9,059	585	92	34	318	172	431	62