

Executive Summary Report

SMOG CHECK Statewide

January 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	825,712	101,446	12.29%
Total	967,225	134,785	13.94%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	706,060	85.51%	119,652	14.49%
Total	807,285	83.46%	159,940	16.54%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	414,061	85.64%	69,425	14.36%
Total	477,638	84.33%	88,741	15.67%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	17,638	2.14%
All Emissions	57,567	6.97%
All Visual	11,051	1.34%
All Functional	61,206	7.41%
OBDII	30,448	3.69%
Overall	101,446	12.29%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	224,185	199,376
Directed Vehicles	259,301	214,685
Total	483,486	414,061

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	40,840	35,075
Directed Vehicles	215	21
Total	41,055	35,096

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,784	285	544	44	0	5,657
Test Only	2,056	39	19	1	0	2,115
Basic Area Dealer	1	1	119	0	0	121
Gold Shield	417	26	60	72	0	575
Business Fleet	5	1	0	0	0	6
Permanent Fleet Registered	36	1	6	0	0	43
Referee	34	0	6	1	0	41
Government Fleet	242	8	36	2	0	288
Unknown Type	2	0	0	0	0	2
Total	7,577	361	790	120	0	8,848

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	655,989	82,268	12.54%	14,000	2.13%
Partially Enhanced	38,785	5,361	13.82%	957	2.47%
Basic	75,158	8,308	11.05%	1,701	2.26%
Change of Ownership	6,041	809	13.39%	235	3.89%
No Program	9	4	44.44%	1	11.11%
Unknown Program	49,730	4,696	9.44%	744	1.50%
Total Program Area	825,712	101,446	12.29%	17,638	2.14%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	483,486	67,651	13.99%	12,629	2.61%
Regular	289,809	27,510	9.49%	3,919	1.35%
Basic Area Dealer	5,790	302	5.22%	48	0.83%
Gold Shield in Enhanced Area	29,627	3,580	12.08%	539	1.82%
Gold Shield in Basic Area	7,302	1,035	14.17%	243	3.33%
Gold Shield in COO Area	4,126	527	12.77%	142	3.44%
Business Fleet	32	2	6.25%	0	0.00%
Permanent Fleet Registered	171	17	9.94%	1	0.58%
Referee	859	391	45.52%	78	9.08%
Government Fleet	4,507	431	9.56%	39	0.87%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	825,712	101,446	12.29%	17,638	2.14%

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-1952	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	2	1	50.00%	0.00%	0.00%	50.00%	0.00%	0.00%
MY-1970	1	1	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
MY-1974	7	2	28.57%	28.57%	14.29%	14.29%	0.00%	0.00%
MY-1975	21	9	42.86%	33.33%	28.57%	33.33%	19.05%	0.00%
MY-1976	1,559	474	30.40%	23.03%	10.65%	17.64%	9.43%	0.00%
MY-1977	2,157	484	22.44%	16.09%	7.00%	12.15%	7.23%	0.00%
MY-1978	2,512	649	25.84%	19.98%	9.75%	12.90%	6.97%	0.00%
MY-1979	3,011	795	26.40%	19.99%	9.86%	14.41%	7.17%	0.00%
MY-1980	1,914	503	26.28%	20.53%	10.82%	14.42%	8.15%	0.00%
MY-1981	2,147	662	30.83%	25.76%	12.76%	15.56%	7.87%	0.00%
MY-1982	2,481	725	29.22%	24.14%	11.04%	14.59%	6.69%	0.00%
MY-1983	3,321	940	28.30%	23.04%	10.51%	14.84%	7.32%	0.00%
MY-1984	6,402	1,893	29.57%	24.76%	12.11%	14.87%	6.95%	0.00%
MY-1985	9,028	2,540	28.13%	22.84%	10.51%	14.73%	6.01%	0.00%
MY-1986	12,121	3,113	25.68%	20.41%	9.34%	13.35%	4.88%	0.00%
MY-1987	14,892	4,051	27.20%	22.47%	8.71%	13.13%	4.53%	0.00%
MY-1988	18,159	4,186	23.05%	18.21%	6.87%	11.29%	3.63%	0.00%
MY-1989	24,196	5,095	21.06%	16.13%	5.80%	10.46%	3.30%	0.00%
MY-1990	28,412	5,329	18.76%	14.80%	4.94%	8.65%	2.24%	0.00%
MY-1991	31,625	5,614	17.75%	13.85%	4.40%	8.37%	1.90%	0.00%
MY-1992	31,180	4,891	15.69%	12.30%	4.00%	6.77%	1.61%	0.00%
MY-1993	36,621	6,398	17.47%	14.18%	3.10%	6.48%	1.66%	0.00%
MY-1994	43,165	5,969	13.83%	10.49%	2.25%	5.48%	1.49%	0.00%
MY-1995	57,325	6,509	11.35%	8.40%	1.74%	4.34%	1.21%	0.00%
MY-1996	42,213	7,277	17.24%	6.55%	0.96%	13.04%	0.96%	11.85%
MY-1997	66,666	8,095	12.14%	4.16%	0.74%	9.24%	0.73%	8.41%
MY-1998	54,515	5,929	10.88%	2.98%	0.50%	8.76%	0.67%	8.05%
MY-1999	86,697	5,854	6.75%	1.45%	0.25%	5.58%	0.39%	5.06%
MY-2000	59,114	4,993	8.45%	1.21%	0.29%	7.54%	0.45%	6.90%
MY-2001	113,154	5,777	5.11%	0.43%	0.09%	4.73%	0.22%	4.31%
MY-2002	20,725	928	4.48%	0.39%	0.10%	4.05%	0.26%	3.47%
MY-2003	26,862	995	3.70%	0.23%	0.04%	3.44%	0.13%	2.94%
MY-2004	7,831	263	3.36%	0.13%	0.01%	3.17%	0.09%	2.66%
MY-2005	6,541	221	3.38%	0.09%	0.02%	3.13%	0.21%	2.64%
MY-2006	7,331	214	2.92%	0.18%	0.10%	2.71%	0.10%	2.47%
MY-2007	1,800	66	3.67%	0.89%	0.83%	2.72%	0.06%	2.50%
All Model Years	825,712	101,446	12.29%	6.97%	2.14%	7.41%	1.34%	3.69%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	713
Certificate of Non Compliance	0
Parts Cost	84
Hardship Extensions	112
Exempt Vehicle	106
Exempted by Directive	157
Parts Exemption	1
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,173

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,268
Stations Locked-Out at Least Once	736
Stations Conducted at Least One Test	7,580

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,587	6,165
EA	Gas Endorsement	17	0
EB	Both Endorsement	58	0
EB	Gas Endorsement	566	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	436,938	48.47	42,779	48.38	479,717	48.46
Test and Repair	199,440	46.84	86,127	44.42	285,567	46.11
Test and Repair Dealer	14	60.29	5,777	47.60	5,791	47.63
Referee	530	30.00	209	30.00	739	30.00
Gold Shield in Enhanced Area	22,362	45.96	7,561	43.71	29,923	45.39
Gold Shield in Basic Area	12	63.67	7,267	35.53	7,279	35.57
Gold Shield in COO Area	59	70.00	4,121	48.13	4,180	48.44

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	7,496	22.30	24,653	203.57
	\$51-150	6,380	99.97		
	\$151-250	4,042	199.32		
	\$251-450	4,128	335.43		
	Over \$450	2,607	776.11		
CAP Repairs	\$1-50	153	23.89	3,202	331.90
	\$51-150	377	108.54		
	\$151-250	575	204.91		
	\$251-450	1,193	346.28		
	Over \$450	904	538.96		
Total Repairs	\$1-50	6,815	22.51	25,582	237.72
	\$51-150	5,574	100.17		
	\$151-250	4,276	199.98		
	\$251-450	5,183	338.83		
	Over \$450	3,734	738.71		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,872	331.90

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	5	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	45	6	2	0	1	4	4	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 Only	24	7	0	2	3	3	6	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	8	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	4	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	12	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	11	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	25	6	1	0	2	3	5	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	15,139	1,998	208	109	931	829	1,411	213
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	151	9	2	71	65	89	1
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	82	17	1	0	9	8	9	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	247	259	40	116	44	129	127	146
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	141,325	14,906	1,683	743	6,517	6,600	10,407	1,342
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	352,407	60,378	11,244	3,425	14,675	38,951	33,965	6,665
Acceleration Simulation Mode (ASM)	No Program	Test Only	1	4	1	0	2	1	4	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	21	6	1	0	1	3	4	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,450	504	87	28	145	298	281	55
Acceleration Simulation Mode (ASM)	Partial	Referee	11	12	1	8	2	7	7	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,189	2,979	524	151	802	1,825	1,657	306
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,523	1,581	275	103	399	1,015	851	169
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,290	215	42	10	83	115	124	24
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	234	21	1	61	161	87	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)	Unknown Program	Referee	51	30	5	12	12	14	21	18
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	15,684	1,577	202	77	680	723	1,063	140
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,681	1,665	304	104	571	978	983	199
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,333	935	229	80	215	416	596	133
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	228	40	10	3	8	18	26	4
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,114	502	107	30	145	209	323	75
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	1	0	3	4	5	0
Two Speed Idle (TSI)	Basic	Referee	36	29	7	11	6	11	18	19
Two Speed Idle (TSI)	Basic	Test and Repair	44,056	5,505	1,086	353	1,648	2,251	3,697	694
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,170	268	44	11	94	92	181	28
Two Speed Idle (TSI)	Basic	Test Only	7,295	1,006	215	62	303	453	598	121
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	59	5	0	2	1	1	4	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,838	332	100	25	76	188	194	58
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	107	29	7	3	5	12	21	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,081	301	80	23	66	154	196	45
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	50	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	901	136	47	11	30	72	88	22
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	342	37	4	1	25	8	30	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	371	32	8	1	16	12	19	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,655	245	60	11	104	103	164	19
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	25	4	0	10	9	17	0
Two Speed Idle (TSI)	Enhanced	Referee	54	28	9	13	7	11	11	15
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,616	1,567	232	79	806	441	1,196	152
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	522	14	1	0	9	1	13	0
Two Speed Idle (TSI)	Enhanced	Test Only	27,602	2,601	495	100	1,286	919	1,791	208
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	33	5	1	1	1	2	4	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	45	10	3	1	2	5	5	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	227	30	12	1	6	19	13	4

	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)	Partial	Test and Repair	1,786	153	34	13	58	65	101	23
Two Speed Idle (TSI)	Partial	Test Only	711	79	19	5	29	33	53	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	331	52	8	1	21	15	42	5
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	962	101	19	12	33	43	67	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	509	56	16	3	24	25	38	7
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	11	4	1	2	8	2	1
Two Speed Idle (TSI)	Unknown Program	Referee	65	29	16	4	7	17	14	7
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,182	515	76	27	259	152	408	48
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	484	18	2	1	12	2	17	2
Two Speed Idle (TSI)	Unknown Program	Test Only	2,912	193	29	9	118	56	143	19
UnKnown TestType	Enhanced	Referee	8	1	0	1	0	1	1	1