

Executive Summary Report

SMOG CHECK Statewide

November 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	672,878	86,416	12.84%
Total	796,877	116,040	14.56%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	569,223	84.60%	103,655	15.40%
Total	657,629	82.53%	139,248	17.47%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	340,619	85.14%	59,473	14.86%
Total	395,719	83.83%	76,353	16.17%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	15,994	2.38%
All Emissions	51,018	7.58%
All Visual	9,455	1.41%
All Functional	50,887	7.56%
OBDII	23,945	3.56%
Overall	86,416	12.84%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	173,753	152,442
Directed Vehicles	226,339	188,177
Total	400,092	340,619

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	33,581	28,207
Directed Vehicles	222	15
Total	33,803	28,222

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,796	282	538	43	0	5,659
Test Only	2,051	37	20	1	0	2,109
Basic Area Dealer	1	1	119	0	0	121
Gold Shield	425	26	63	72	0	586
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	2	0	0	0	0	2
Total	7,592	356	788	119	0	8,855

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	530,828	69,817	13.15%	12,721	2.40%
Partially Enhanced	31,670	4,538	14.33%	828	2.61%
Basic	60,842	7,033	11.56%	1,501	2.47%
Change of Ownership	5,309	708	13.34%	201	3.79%
No Program	5	0	0.00%	0	0.00%
Unknown Program	44,224	4,320	9.77%	743	1.68%
Total Program Area	672,878	86,416	12.84%	15,994	2.38%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	400,092	57,573	14.39%	11,347	2.84%
Regular	230,856	23,375	10.13%	3,604	1.56%
Basic Area Dealer	4,609	241	5.23%	34	0.74%
Gold Shield in Enhanced Area	23,687	3,210	13.55%	535	2.26%
Gold Shield in Basic Area	6,425	994	15.47%	230	3.58%
Gold Shield in COO Area	3,691	455	12.33%	143	3.87%
Business Fleet	30	2	6.67%	0	0.00%
Permanent Fleet Registered	179	7	3.91%	0	0.00%
Referee	777	348	44.79%	70	9.01%
Government Fleet	2,532	211	8.33%	31	1.22%
Total	672,878	86,416	12.84%	15,994	2.38%

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-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	1	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
MY-1973	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	12	3	25.00%	16.67%	8.33%	16.67%	8.33%	0.00%
MY-1975	25	11	44.00%	40.00%	24.00%	24.00%	8.00%	0.00%
MY-1976	1,290	361	27.98%	20.93%	10.39%	14.81%	8.68%	0.00%
MY-1977	2,084	528	25.34%	18.67%	8.93%	14.11%	6.77%	0.00%
MY-1978	2,374	641	27.00%	20.22%	10.32%	14.36%	8.17%	0.00%
MY-1979	2,906	788	27.12%	21.20%	9.88%	13.66%	7.67%	0.00%
MY-1980	1,682	467	27.76%	22.47%	11.65%	14.27%	8.09%	0.00%
MY-1981	1,999	551	27.56%	22.86%	10.96%	14.41%	8.10%	0.00%
MY-1982	2,572	698	27.14%	22.63%	10.81%	14.66%	6.84%	0.00%
MY-1983	2,933	879	29.97%	24.51%	11.66%	15.41%	7.16%	0.00%
MY-1984	5,916	1,753	29.63%	24.73%	11.68%	14.62%	6.46%	0.00%
MY-1985	8,061	2,275	28.22%	22.83%	10.76%	14.76%	5.94%	0.00%
MY-1986	11,496	2,997	26.07%	20.77%	9.58%	13.91%	5.21%	0.00%
MY-1987	14,871	3,888	26.14%	21.86%	8.44%	12.18%	4.20%	0.00%
MY-1988	16,223	3,804	23.45%	18.86%	7.22%	11.51%	3.27%	0.00%
MY-1989	22,497	4,761	21.16%	16.54%	6.04%	10.60%	3.02%	0.00%
MY-1990	24,918	4,711	18.91%	14.99%	5.06%	8.69%	2.29%	0.00%
MY-1991	29,262	5,112	17.47%	13.51%	4.26%	8.11%	1.72%	0.00%
MY-1992	26,908	4,198	15.60%	12.13%	3.86%	6.66%	1.47%	0.00%
MY-1993	32,475	5,708	17.58%	14.40%	3.21%	6.56%	1.49%	0.00%
MY-1994	37,881	5,149	13.59%	10.71%	2.22%	5.17%	1.41%	0.00%
MY-1995	38,575	4,745	12.30%	9.21%	1.98%	4.68%	1.27%	0.00%
MY-1996	48,077	7,190	14.96%	5.53%	0.85%	11.08%	0.80%	10.06%
MY-1997	39,719	5,387	13.56%	4.62%	0.84%	10.44%	0.82%	9.45%
MY-1998	68,186	6,271	9.20%	2.46%	0.41%	7.36%	0.53%	6.78%
MY-1999	43,367	3,312	7.64%	1.62%	0.32%	6.39%	0.43%	5.84%
MY-2000	105,908	6,830	6.45%	0.96%	0.22%	5.65%	0.39%	5.20%
MY-2001	32,762	1,571	4.80%	0.47%	0.09%	4.33%	0.22%	3.83%
MY-2002	18,725	822	4.39%	0.32%	0.07%	4.10%	0.19%	3.53%
MY-2003	9,624	340	3.53%	0.26%	0.07%	3.22%	0.17%	2.63%
MY-2004	6,585	243	3.69%	0.24%	0.09%	3.31%	0.20%	2.76%
MY-2005	5,643	204	3.62%	0.18%	0.09%	3.31%	0.30%	2.76%
MY-2006	6,407	182	2.84%	0.11%	0.08%	2.67%	0.14%	2.47%
MY-2007	908	35	3.85%	0.00%	0.00%	3.85%	0.00%	3.85%
MY-2008	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	672,878	86,416	12.84%	7.58%	2.38%	7.56%	1.41%	3.56%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	700
Certificate of Non Compliance	3
Parts Cost	86
Hardship Extensions	106
Exempt Vehicle	23
Exempted by Directive	130
Parts Exemption	0
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,048

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,265
Stations Locked-Out at Least Once	393
Stations Conducted at Least One Test	7,590

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,591	5,802
EA	Gas Endorsement	18	0
EB	Both Endorsement	57	0
EB	Gas Endorsement	566	0
EU	Gas Endorsement	1	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	362,192	48.34	34,691	48.49	396,883	48.35
Test and Repair	159,685	46.87	68,811	44.28	228,496	46.09
Test and Repair Dealer	15	50.27	4,581	46.53	4,596	46.54
Referee	545	30.00	158	30.00	703	30.00
Gold Shield in Enhanced Area	17,813	46.44	6,128	42.72	23,941	45.49
Gold Shield in Basic Area	16	65.06	6,409	35.69	6,425	35.76
Gold Shield in COO Area	55	61.49	3,644	49.72	3,699	49.90

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	6,433	22.57	21,314	203.96
	\$51-150	5,674	100.14		
	\$151-250	3,492	199.62		
	\$251-450	3,545	334.14		
	Over \$450	2,170	807.51		
CAP Repairs	\$1-50	166	26.31	3,082	323.06
	\$51-150	373	104.98		
	\$151-250	561	201.06		
	\$251-450	1,154	345.55		
	Over \$450	828	532.11		
Total Repairs	\$1-50	5,763	22.85	22,239	240.25
	\$51-150	4,924	100.40		
	\$151-250	3,784	199.88		
	\$251-450	4,559	338.67		
	Over \$450	3,209	753.04		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,765	323.06

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	Test and Repair	41	7	0	1	2	4	4	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	26	6	1	2	2	2	5	2

	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)	Change of Ownership	Referee	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	14	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	17	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	31	6	0	0	2	4	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	11,523	1,761	211	105	714	847	1,131	196
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	100	10	0	45	45	57	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	73	6	0	0	4	2	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	244	247	40	119	52	112	128	141
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	107,344	12,831	1,659	690	4,954	6,276	8,499	1,221
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	289,867	51,327	10,113	2,850	11,736	34,009	28,343	5,571
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	1,933	423	78	25	111	258	249	60
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	13	15	4	8	2	8	8	11
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	13,904	2,477	434	146	617	1,506	1,417	259
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	9	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	7,623	1,398	257	92	311	907	726	170
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	1	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,210	216	35	12	89	113	143	20
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	74	12	0	10	60	18	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	57	26	6	7	10	9	19	14

	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	Test and Repair	14,406	1,513	208	84	635	739	989	145
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,081	1,570	312	103	524	930	950	184
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,463	886	206	57	189	423	551	110
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	143	15	6	0	7	7	12	1
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,482	441	109	31	119	204	282	63
Two Speed Idle (TSI)	Basic	Government Fleet	0	10	0	0	4	1	9	0
Two Speed Idle (TSI)	Basic	Referee	34	27	6	9	5	9	22	14
Two Speed Idle (TSI)	Basic	Test and Repair	34,995	4,534	937	268	1,233	1,932	3,012	561
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,145	188	28	12	61	63	128	14
Two Speed Idle (TSI)	Basic	Test Only	5,965	917	208	51	249	430	557	106
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	43	15	6	2	3	9	7	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,615	297	99	21	51	176	163	42
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	131	29	6	2	5	13	22	4
Two Speed Idle (TSI)	Change of Ownership	Referee	1	2	1	0	1	1	2	1
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,863	233	57	16	46	120	140	30
Two Speed Idle (TSI)	Change of Ownership	Test Only	710	126	32	10	29	62	77	19
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	322	36	5	3	17	10	28	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	339	26	7	4	9	9	17	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	1,966	252	72	18	88	122	156	38
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	20	5	0	4	10	9	2
Two Speed Idle (TSI)	Enhanced	Referee	36	19	6	12	3	8	5	13
Two Speed Idle (TSI)	Enhanced	Test and Repair	16,084	1,160	204	52	554	391	831	111
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	411	25	2	1	22	2	22	1
Two Speed Idle (TSI)	Enhanced	Test Only	22,098	1,998	387	85	929	771	1,325	168
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	38	5	1	0	1	3	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	29	3	1	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	175	23	9	3	6	13	10	4
Two Speed Idle (TSI)	Partial	Test and Repair	1,371	139	34	6	43	63	87	16

	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 Dealer	37	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Test Only	619	47	7	6	15	14	28	10
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	360	51	12	3	24	17	36	4
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	961	105	30	6	25	57	58	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	432	65	15	3	28	29	49	9
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	4	3	0	0	4	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	34	9	7	0	1	7	2	0
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,579	479	71	35	235	140	374	62
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	545	25	2	1	15	3	22	2
Two Speed Idle (TSI)	Unknown Program	Test Only	2,628	182	30	8	98	56	137	23