

Executive Summary Report

SMOG CHECK Statewide

Fourth Quarter 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,089,038	265,403	12.70%
Total	2,433,283	344,841	14.17%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,779,449	85.18%	309,589	14.82%
Total	2,028,443	83.36%	404,840	16.64%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,078,937	85.66%	180,620	14.34%
Total	1,235,978	84.59%	225,103	15.41%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	44,190	2.12%
All Emissions	142,105	6.80%
All Visual	29,425	1.41%
All Functional	167,043	8.00%
OBDII	84,172	4.03%
Overall	265,403	12.70%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	590,802	522,730
Directed Vehicles	668,755	556,207
Total	1,259,557	1,078,937

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	104,416	87,444
Directed Vehicles	31,981	24,816
Total	136,397	112,260

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,567	290	553	41	0	5,451
Test Only	2,153	40	23	1	0	2,217
Basic Area Dealer	0	1	118	0	0	119
Gold Shield	426	28	61	77	0	592
Business Fleet	4	1	0	0	0	5
Permanent Fleet Registered	35	1	5	0	0	41
Referee	35	0	6	1	0	42
Government Fleet	243	9	37	2	0	291
Unknown Type	1	0	0	0	0	1
Total	7,464	370	803	122	0	8,759

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,660,255	214,156	12.90%	34,919	2.10%
Partially Enhanced	100,421	14,777	14.72%	2,474	2.46%
Basic	192,214	22,208	11.55%	4,325	2.25%
Change of Ownership	15,262	2,303	15.09%	608	3.98%
No Program	17	1	5.88%	1	5.88%
Unknown Program	120,869	11,958	9.89%	1,863	1.54%
Total Program Area	2,089,038	265,403	12.70%	44,190	2.12%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,259,557	175,096	13.90%	30,802	2.45%
Regular	670,564	66,713	9.95%	9,433	1.41%
Basic Area Dealer	13,472	763	5.66%	91	0.68%
Gold Shield in Enhanced Area	107,639	17,018	15.81%	2,581	2.40%
Gold Shield in Basic Area	17,529	2,792	15.93%	631	3.60%
Gold Shield in COO Area	11,229	1,524	13.57%	424	3.78%
Business Fleet	68	2	2.94%	0	0.00%
Permanent Fleet Registered	155	13	8.39%	1	0.65%
Referee	1,964	901	45.88%	169	8.60%
Government Fleet	6,857	581	8.47%	58	0.85%
Unknown Privilege	4	0	0.00%	0	0.00%
Total	2,089,038	265,403	12.70%	44,190	2.12%

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-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
MY-1971	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1972	3	1	33.33%	33.33%	33.33%	0.00%	0.00%	0.00%
MY-1973	5	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	17	3	17.65%	17.65%	0.00%	5.88%	5.88%	0.00%
MY-1975	28	9	32.14%	10.71%	7.14%	25.00%	17.86%	0.00%
MY-1976	3,447	989	28.69%	20.42%	10.18%	16.83%	8.73%	0.00%
MY-1977	5,378	1,447	26.91%	17.89%	8.76%	15.95%	8.03%	0.00%
MY-1978	5,926	1,613	27.22%	18.60%	9.08%	15.49%	7.98%	0.00%
MY-1979	7,220	2,118	29.34%	20.50%	10.11%	16.93%	8.86%	0.00%
MY-1980	4,298	1,193	27.76%	20.96%	11.70%	15.70%	7.70%	0.00%
MY-1981	4,923	1,452	29.49%	22.93%	11.35%	16.15%	8.63%	0.00%
MY-1982	6,243	1,838	29.44%	23.26%	10.00%	15.01%	7.69%	0.00%
MY-1983	7,270	2,203	30.30%	24.00%	11.47%	15.56%	7.81%	0.00%
MY-1984	14,931	4,540	30.41%	24.35%	12.02%	15.85%	6.95%	0.00%
MY-1985	20,058	5,813	28.98%	23.17%	11.31%	15.70%	6.41%	0.00%
MY-1986	29,103	7,745	26.61%	20.39%	9.39%	14.43%	5.18%	0.00%
MY-1987	36,854	9,987	27.10%	21.51%	8.75%	13.69%	4.66%	0.00%
MY-1988	40,988	10,051	24.52%	18.97%	7.51%	12.54%	4.00%	0.00%
MY-1989	56,551	12,463	22.04%	16.49%	6.14%	11.44%	3.23%	0.00%
MY-1990	63,829	12,938	20.27%	15.17%	5.23%	10.21%	2.58%	0.00%
MY-1991	76,792	14,267	18.58%	13.82%	4.44%	9.20%	2.10%	0.00%
MY-1992	71,886	12,393	17.24%	12.83%	4.13%	8.09%	1.87%	0.00%
MY-1993	91,818	16,970	18.48%	14.40%	3.45%	7.68%	1.83%	0.00%
MY-1994	101,114	15,757	15.58%	11.25%	2.39%	6.80%	1.76%	0.00%
MY-1995	144,025	19,032	13.21%	9.02%	1.88%	5.91%	1.46%	0.00%
MY-1996	96,109	16,599	17.27%	6.75%	1.08%	12.92%	1.16%	11.76%
MY-1997	168,504	22,016	13.07%	4.48%	0.78%	9.95%	0.85%	9.10%
MY-1998	126,897	14,223	11.21%	3.23%	0.65%	8.96%	0.68%	8.29%
MY-1999	215,669	16,844	7.81%	1.65%	0.33%	6.50%	0.49%	5.97%
MY-2000	141,337	10,019	7.09%	1.22%	0.27%	6.12%	0.44%	5.64%
MY-2001	313,117	22,382	7.15%	0.67%	0.16%	6.64%	0.34%	6.20%
MY-2002	103,016	4,004	3.89%	0.39%	0.10%	3.51%	0.23%	3.15%
MY-2003	51,670	1,985	3.84%	0.37%	0.11%	3.45%	0.20%	3.00%
MY-2004	30,114	1,110	3.69%	0.23%	0.05%	3.40%	0.15%	2.80%
MY-2005	17,231	589	3.42%	0.21%	0.06%	3.13%	0.17%	2.64%
MY-2006	15,735	444	2.82%	0.15%	0.06%	2.55%	0.21%	2.31%
MY-2007	15,215	329	2.16%	0.12%	0.09%	2.00%	0.11%	1.74%
MY-2008	1,714	35	2.04%	0.00%	0.00%	2.04%	0.00%	1.81%
All Model Years	2,089,038	265,403	12.70%	6.80%	2.12%	8.00%	1.41%	4.03%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,603
Certificate of Non Compliance	5
Parts Cost	221
Hardship Extensions	451
Exempt Vehicle	65
Exempted by Directive	313
Parts Exemption	3
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	2,661

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,072
Stations Locked-Out at Least Once	1,165
Stations Conducted at Least One Test	7,687

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,924	5,660
EA	Gas Endorsement	15	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	558	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	1,124,167	48.65	123,193	49.24	1,247,360	48.71
Test and Repair	448,403	46.77	215,888	45.11	664,291	46.23
Test and Repair Dealer	52	55.94	13,448	46.67	13,500	46.71
Referee	1,042	30.00	441	30.00	1,483	30.00
Gold Shield in Enhanced Area	83,718	47.70	23,692	43.67	107,410	46.81
Gold Shield in Basic Area	4	54.75	17,651	33.44	17,655	33.45
Gold Shield in COO Area	68	51.53	11,242	48.46	11,310	48.48

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	19,754	22.35	65,505	208.05
	\$51-150	16,858	100.65		
	\$151-250	10,626	199.00		
	\$251-450	10,900	335.28		
	Over \$450	7,367	776.60		
CAP Repairs	\$1-50	436	25.53	10,326	346.60
	\$51-150	1,017	106.05		
	\$151-250	1,602	203.44		
	\$251-450	3,946	349.63		
	Over \$450	3,325	527.67		
Total Repairs	\$1-50	17,554	22.60	68,280	252.01
	\$51-150	13,965	100.94		
	\$151-250	11,251	199.74		
	\$251-450	14,061	341.00		
	Over \$450	11,449	730.12		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	9,291	346.60

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	25	3	1	0	2	2	3	0
Acceleration Simulation Mode (ASM)	Basic	Referee	2	6	0	1	3	2	4	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	111	16	1	0	8	5	12	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	99	24	2	1	11	12	16	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	5	3	1	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	13	3	0	2	0	2	2	2
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	49	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	59,130	12,028	1,709	628	3,963	6,288	7,551	1,432
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	262	11	5	91	120	144	4
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	18	4	0	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	574	609	108	258	129	309	324	327
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	305,970	33,914	3,956	1,730	15,511	14,314	24,182	3,183
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	907,943	154,672	27,094	8,330	42,190	93,260	92,261	16,897
Acceleration Simulation Mode (ASM)	No Program	Test Only	7	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	1	2	0	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	33	12	0	0	5	5	6	5
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	5,661	1,332	229	69	391	768	744	146
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	10	5	0	0	9	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	24	35	9	20	6	15	17	31
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	44,056	8,267	1,308	433	2,271	4,634	4,985	908
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	26	4	0	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	24,120	4,257	736	242	1,150	2,475	2,472	545

	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	Gold Shield in Enhanced Area	3,461	631	87	53	234	322	409	95
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	193	23	1	44	135	71	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	123	55	9	21	16	24	38	28
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	35,954	3,802	508	248	1,585	1,750	2,566	454
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	33,071	4,679	795	312	1,770	2,557	3,007	556
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	12,412	2,532	585	157	591	1,124	1,639	337
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	473	90	19	5	23	37	60	14
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	9,460	1,673	291	108	502	597	1,187	281
Two Speed Idle (TSI)	Basic	Government Fleet	0	27	7	0	12	13	15	1
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	2	1	0	0	0	1	0	1
Two Speed Idle (TSI)	Basic	Referee	82	82	15	34	22	29	54	47
Two Speed Idle (TSI)	Basic	Test and Repair	111,027	14,126	2,642	794	4,179	5,588	9,665	1,675
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,511	609	85	29	200	180	427	86
Two Speed Idle (TSI)	Basic	Test Only	20,092	3,019	677	192	890	1,330	1,901	382
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	103	20	3	3	8	6	15	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,055	969	285	76	165	530	577	128
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	362	83	28	6	16	45	57	12
Two Speed Idle (TSI)	Change of Ownership	Referee	12	8	1	4	2	1	5	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,795	863	203	62	194	406	585	129
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	120	10	1	2	4	2	7	4
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,107	342	86	31	86	163	203	47
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	862	88	13	7	38	28	62	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,050	102	19	6	42	33	70	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	8,324	1,004	188	70	443	320	712	136
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	66	9	1	22	28	37	2
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	83	8	1	1	0	2	5	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)	Enhanced	Referee	112	65	11	36	19	20	27	44
Two Speed Idle (TSI)	Enhanced	Test and Repair	53,147	3,906	507	196	2,114	970	3,077	373
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	991	67	3	2	45	7	57	5
Two Speed Idle (TSI)	Enhanced	Test Only	81,360	7,355	1,290	317	3,660	2,409	5,259	647
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	88	13	3	3	3	8	8	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	89	15	6	1	7	7	11	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	561	78	18	3	29	30	50	9
Two Speed Idle (TSI)	Partial	Government Fleet	0	3	1	0	1	1	2	0
Two Speed Idle (TSI)	Partial	Referee	7	4	0	3	2	1	3	3
Two Speed Idle (TSI)	Partial	Test and Repair	4,815	532	118	34	197	207	378	70
Two Speed Idle (TSI)	Partial	Test Only	2,181	206	41	11	81	88	130	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	921	137	27	16	53	47	103	27
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,686	334	95	23	96	167	214	43
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,483	183	29	18	70	58	139	30
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	20	2	2	5	8	9	3
Two Speed Idle (TSI)	Unknown Program	Referee	86	32	16	6	5	20	16	10
Two Speed Idle (TSI)	Unknown Program	Test and Repair	14,960	1,287	190	79	609	411	969	141
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,378	66	2	5	38	7	60	7
Two Speed Idle (TSI)	Unknown Program	Test Only	7,943	538	80	29	308	154	415	53
UnKnown TestType	Enhanced	Referee	13	2	0	0	0	2	0	0
UnKnown TestType	Unknown Program	Referee	11	1	0	0	0	1	0	1