

Executive Summary Report

SMOG CHECK Statewide

January 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	819,267	103,626	12.65%
Total	942,323	130,677	13.87%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	701,723	85.65%	117,544	14.35%
Total	792,695	84.12%	149,628	15.88%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	417,522	85.75%	69,404	14.25%
Total	474,237	84.94%	84,106	15.06%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	15,706	1.92%
All Emissions	51,224	6.25%
All Visual	10,763	1.31%
All Functional	35,476	4.33%
OBDII	34,729	4.24%
Overall	103,626	12.65%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	656,323	83,748	12.76%	12,394	1.89%
Partially Enhanced	40,433	5,892	14.57%	859	2.12%
Basic	72,666	8,747	12.04%	1,553	2.14%
Change of Ownership	5,601	804	14.35%	205	3.66%
No Program	9	0	0.00%	0	0.00%
Unknown Program	44,235	4,435	10.03%	695	1.57%
Total Program Area	819,267	103,626	12.65%	15,706	1.92%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	486,926	67,872	13.94%	10,918	2.24%
Regular	265,555	25,770	9.70%	3,309	1.25%
Basic Area Dealer	5,308	295	5.56%	31	0.58%
Gold Shield in Enhanced Area	46,885	7,424	15.83%	1,017	2.17%
Gold Shield in Basic Area	6,095	1,005	16.49%	194	3.18%
Gold Shield in COO Area	4,141	594	14.34%	152	3.67%
Business Fleet	3	0	0.00%	0	0.00%
Permanent Fleet Registered	10	0	0.00%	0	0.00%
Referee	666	352	52.85%	70	10.51%
Government Fleet	3,676	314	8.54%	15	0.41%
Unknown Privilege	2	0	0.00%	0	0.00%
Total	819,267	103,626	12.65%	15,706	1.92%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	242,217	216,023
Directed Vehicles	244,709	201,499
Total	486,926	417,522

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	42,581	36,274
Directed Vehicles	14,540	11,221
Total	57,121	47,495

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

6. 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-1934	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	1	1	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%
MY-1966	1	0	0.00%	0.00%	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-1971	2	2	100.00%	100.00%	50.00%	50.00%	50.00%	0.00%
MY-1974	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	9	3	33.33%	33.33%	22.22%	33.33%	22.22%	0.00%
MY-1976	1,224	414	33.82%	21.90%	10.13%	21.81%	8.25%	0.00%
MY-1977	1,719	537	31.24%	17.28%	7.97%	22.05%	8.26%	0.00%
MY-1978	1,953	630	32.26%	18.74%	8.96%	21.92%	8.65%	0.00%
MY-1979	2,353	797	33.87%	20.36%	9.52%	23.37%	8.75%	0.00%
MY-1980	1,460	472	32.33%	22.47%	11.44%	21.44%	9.59%	0.00%
MY-1981	1,687	539	31.95%	23.00%	11.20%	19.32%	8.71%	0.00%
MY-1982	1,913	585	30.58%	22.27%	10.72%	18.77%	8.21%	0.00%
MY-1983	2,522	795	31.52%	22.64%	10.67%	18.40%	6.54%	0.00%
MY-1984	5,117	1,611	31.48%	24.31%	12.39%	17.31%	6.72%	0.00%
MY-1985	6,890	2,122	30.80%	23.35%	10.70%	17.76%	6.62%	0.00%
MY-1986	9,656	2,755	28.53%	20.60%	8.86%	16.58%	5.06%	0.00%
MY-1987	11,703	3,370	28.80%	21.36%	8.54%	15.94%	5.08%	0.00%
MY-1988	14,273	3,718	26.05%	19.08%	7.36%	14.38%	3.97%	0.00%
MY-1989	19,627	4,583	23.35%	16.34%	6.17%	13.20%	3.26%	0.00%
MY-1990	23,195	5,131	22.12%	15.56%	5.25%	12.11%	2.75%	0.00%
MY-1991	26,257	5,462	20.80%	14.29%	4.81%	11.26%	2.22%	0.00%
MY-1992	26,250	5,010	19.09%	13.15%	4.14%	9.89%	1.99%	0.00%
MY-1993	32,032	6,635	20.71%	15.01%	3.72%	10.00%	2.12%	0.00%
MY-1994	37,777	6,723	17.80%	11.42%	2.59%	9.35%	1.78%	0.00%
MY-1995	40,569	6,701	16.52%	10.55%	2.41%	8.38%	1.76%	0.00%
MY-1996	48,096	7,426	15.44%	5.96%	0.98%	1.37%	0.96%	10.56%
MY-1997	47,606	7,135	14.99%	5.35%	0.93%	1.45%	0.91%	10.65%
MY-1998	67,514	6,585	9.75%	2.89%	0.55%	0.77%	0.61%	7.15%
MY-1999	57,814	5,364	9.28%	2.01%	0.39%	0.63%	0.56%	7.34%
MY-2000	105,822	6,726	6.36%	1.01%	0.22%	0.49%	0.37%	5.16%
MY-2001	55,985	5,016	8.96%	0.90%	0.25%	0.68%	0.43%	7.86%
MY-2002	105,166	4,521	4.30%	0.35%	0.08%	0.37%	0.26%	3.64%
MY-2003	18,314	681	3.72%	0.34%	0.10%	0.23%	0.17%	3.00%
MY-2004	25,271	994	3.93%	0.19%	0.04%	0.27%	0.09%	3.19%
MY-2005	6,900	220	3.19%	0.12%	0.04%	0.20%	0.22%	2.51%
MY-2006	5,695	183	3.21%	0.18%	0.04%	0.23%	0.25%	2.62%
MY-2007	5,758	155	2.69%	0.14%	0.07%	0.17%	0.16%	2.29%
MY-2008	1,129	23	2.04%	0.44%	0.18%	0.00%	0.53%	1.33%
MY-2009	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	819,267	103,626	12.65%	6.25%	1.92%	4.33%	1.31%	4.24%

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

7. Referee Activity

	Certificates Issued
Certificate of Compliance	560
Certificate of Non Compliance	1
Parts Cost	90
Hardship Extensions	188
Exempt Vehicle	24
Exempted by Directive	136
Parts Exemption	1
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,000

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,523
Stations Locked-Out at Least Once	166
Stations Conducted at Least One Test	7,379

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,035	5,938
EA	Gas Endorsement	14	0
EB	Both Endorsement	53	0
EB	Gas Endorsement	521	0
GU	Both Endorsement	20	0

10. 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	413,161	49.74	46,473	50.72	459,634	49.84
Test and Repair	171,488	48.38	80,422	48.06	251,910	48.28
Test and Repair Dealer	10	50.60	5,060	49.48	5,070	49.48
Referee	333	30.00	97	30.00	430	30.00
Gold Shield in Enhanced Area	35,519	48.72	9,124	45.84	44,643	48.13
Gold Shield in Basic Area	1	55.00	5,848	38.12	5,849	38.12
Gold Shield in COO Area	7	62.71	3,936	47.11	3,943	47.14

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,139	22.04	25,160	213.05
	\$51-150	6,607	100.45		
	\$151-250	4,180	199.42		
	\$251-450	4,284	336.29		
	Over \$450	2,950	767.76		
CAP Repairs	\$0-50	153	23.67	3,856	361.00
	\$51-150	330	105.06		
	\$151-250	557	201.82		
	\$251-450	1,442	350.95		
	Over \$450	1,374	535.10		
Total Repairs	\$0-50	6,216	22.24	26,042	259.28
	\$51-150	5,497	100.68		
	\$151-250	4,305	199.83		
	\$251-450	5,422	341.13		
	Over \$450	4,602	728.09		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,856	361.00

13. 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	15	6	1	0	2	4	1	0

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

	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	46	8	1	0	2	6	2	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	61	5	0	0	2	3	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	7	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	9	3	0	1	2	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	26,869	5,301	702	233	1,805	2,576	1,729	601
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	127	1	1	66	34	15	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	210	240	46	94	50	124	79	129
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	126,422	12,980	1,358	606	6,421	4,925	3,566	1,130
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	350,424	59,937	9,598	3,043	17,314	33,515	21,318	6,240
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,553	591	83	25	182	330	182	58
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	0	1	0	1	0	1
Acceleration Simulation Mode (ASM)	Partial	Referee	10	10	0	5	4	5	4	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,852	3,194	473	157	893	1,653	1,205	327
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,672	1,731	259	97	475	959	612	178
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,347	258	41	21	98	122	61	39
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	148	10	0	31	107	12	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	40	14	4	5	4	6	4	6
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,780	1,356	171	73	616	596	346	126
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,961	1,724	298	127	632	952	497	224

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

	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)	Basic	Gold Shield in Basic Area	4,408	931	185	57	225	355	434	121
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	326	83	14	6	22	31	34	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,507	680	112	34	207	239	299	94
Two Speed Idle (TSI)	Basic	Referee	22	25	6	11	7	10	11	15
Two Speed Idle (TSI)	Basic	Test and Repair	42,785	5,634	959	271	1,699	2,024	2,494	575
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,843	256	30	9	94	62	95	22
Two Speed Idle (TSI)	Basic	Test Only	7,182	1,109	245	62	351	461	401	128
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	47	9	1	1	5	1	4	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,795	355	102	21	70	194	135	36
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	154	26	3	2	7	9	14	3
Two Speed Idle (TSI)	Change of Ownership	Referee	3	4	2	2	1	3	1	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,805	288	68	20	72	125	113	36
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	36	3	0	0	0	2	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	851	115	28	11	25	53	48	19
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	334	29	3	3	20	4	2	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	456	39	5	1	18	12	9	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	3,758	454	57	24	202	121	159	58
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	18	2	0	5	5	4	0
Two Speed Idle (TSI)	Enhanced	Referee	43	28	2	17	10	8	5	18
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,467	1,617	177	66	891	338	443	134
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	481	23	1	0	17	2	3	0
Two Speed Idle (TSI)	Enhanced	Test Only	33,448	2,951	442	109	1,571	834	720	233
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	255	42	5	1	24	12	12	2
Two Speed Idle (TSI)	Partial	Referee	0	3	1	2	1	1	2	3
Two Speed Idle (TSI)	Partial	Test and Repair	2,097	226	25	17	87	65	94	30
Two Speed Idle (TSI)	Partial	Test Only	951	79	13	5	34	28	22	9
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	232	33	5	4	19	10	8	4
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	855	111	31	6	33	50	48	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	519	66	13	7	33	19	23	12

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."

	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)	Unknown Program	Government Fleet	0	10	2	0	4	6	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	25	17	9	2	0	12	4	17
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,219	466	76	36	235	130	144	55
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	425	10	0	1	4	5	1	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,959	218	35	13	124	61	47	29
UnKnown TestType	Basic	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Referee	4	4	0	0	0	4	0	4
UnKnown TestType	Partial	Referee	3	3	0	0	0	3	0	3
UnKnown TestType	Unknown Program	Referee	3	3	0	0	0	3	0	3

"Draft Report: This report is in a preliminary form. The numbers will change when the final report is posted."