

Executive Summary Report

SMOG CHECK Statewide

March 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	896,873	116,481	12.99%
Total	1,037,085	147,249	14.20%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	765,131	85.31%	131,742	14.69%
Total	868,622	83.76%	168,463	16.24%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	456,792	85.40%	78,124	14.60%
Total	522,016	84.58%	95,149	15.42%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	17,682	1.97%
All Emissions	58,535	6.53%
All Visual	13,407	1.49%
All Functional	40,260	4.49%
OBDII	38,995	4.35%
Overall	116,481	12.99%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	721,250	94,523	13.11%	14,043	1.95%
Partially Enhanced	43,270	6,372	14.73%	988	2.28%
Basic	79,850	9,820	12.30%	1,722	2.16%
Change of Ownership	6,157	902	14.65%	225	3.65%
No Program	3	0	0.00%	0	0.00%
Unknown Program	46,343	4,864	10.50%	704	1.52%
Total Program Area	896,873	116,481	12.99%	17,682	1.97%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	534,916	76,576	14.32%	12,330	2.31%
Regular	288,300	28,615	9.93%	3,610	1.25%
Basic Area Dealer	4,941	305	6.17%	32	0.65%
Gold Shield in Enhanced Area	51,584	8,293	16.08%	1,210	2.35%
Gold Shield in Basic Area	7,050	1,190	16.88%	245	3.48%
Gold Shield in COO Area	4,124	559	13.55%	132	3.20%
Business Fleet	12	0	0.00%	0	0.00%
Permanent Fleet Registered	76	13	17.11%	1	1.32%
Referee	859	469	54.60%	84	9.78%
Government Fleet	5,010	461	9.20%	38	0.76%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	896,873	116,481	12.99%	17,682	1.97%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	276,012	246,076
Directed Vehicles	258,904	210,716
Total	534,916	456,792

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	46,621	39,765
Directed Vehicles	16,137	12,299
Total	62,758	52,064

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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-1932	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
MY-1955	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	5	5	100.00%	80.00%	40.00%	0.00%	40.00%	0.00%
MY-1966	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	7	1	14.29%	14.29%	14.29%	14.29%	14.29%	0.00%
MY-1975	13	5	38.46%	30.77%	23.08%	7.69%	15.38%	0.00%
MY-1976	1,544	483	31.28%	20.01%	9.65%	19.43%	9.78%	0.00%
MY-1977	2,191	700	31.95%	18.39%	8.22%	21.22%	8.53%	0.00%
MY-1978	2,569	819	31.88%	19.00%	9.03%	22.15%	8.37%	0.00%
MY-1979	2,621	909	34.68%	21.48%	10.49%	23.04%	10.91%	0.00%
MY-1980	1,627	509	31.28%	21.39%	11.06%	18.99%	9.53%	0.00%
MY-1981	2,033	631	31.04%	22.77%	9.89%	18.64%	9.64%	0.00%
MY-1982	2,333	721	30.90%	22.12%	9.77%	18.65%	8.36%	0.00%
MY-1983	3,275	1,028	31.39%	23.18%	10.99%	18.47%	7.85%	0.00%
MY-1984	5,942	1,818	30.60%	23.12%	11.54%	18.01%	7.94%	0.00%
MY-1985	8,024	2,398	29.89%	22.38%	10.52%	17.04%	6.18%	0.00%
MY-1986	10,995	3,076	27.98%	20.02%	9.45%	16.65%	6.05%	0.00%
MY-1987	13,335	3,892	29.19%	21.44%	8.70%	16.39%	5.06%	0.00%
MY-1988	16,149	4,260	26.38%	19.12%	7.51%	14.55%	4.40%	0.00%
MY-1989	21,697	5,229	24.10%	16.66%	5.92%	13.81%	3.63%	0.00%
MY-1990	25,637	5,777	22.53%	15.96%	5.49%	12.07%	3.14%	0.00%
MY-1991	29,201	6,242	21.38%	14.82%	4.87%	11.49%	2.49%	0.00%
MY-1992	29,104	5,791	19.90%	13.72%	4.26%	10.57%	2.28%	0.00%
MY-1993	34,730	7,405	21.32%	15.46%	3.59%	10.09%	2.23%	0.00%
MY-1994	43,762	7,853	17.94%	11.85%	2.57%	9.01%	2.03%	0.00%
MY-1995	42,045	7,006	16.66%	10.81%	2.28%	8.38%	2.01%	0.00%
MY-1996	59,055	9,163	15.52%	6.08%	0.91%	1.46%	1.10%	10.66%
MY-1997	48,709	7,499	15.40%	5.61%	0.98%	1.55%	1.04%	11.02%
MY-1998	76,597	7,630	9.96%	2.87%	0.54%	0.79%	0.66%	7.54%
MY-1999	57,430	5,520	9.61%	2.18%	0.45%	0.72%	0.67%	7.66%
MY-2000	122,995	8,279	6.73%	1.06%	0.23%	0.53%	0.38%	5.63%
MY-2001	44,531	3,885	8.72%	1.05%	0.26%	0.64%	0.46%	7.71%
MY-2002	128,316	5,759	4.49%	0.38%	0.08%	0.43%	0.28%	3.87%
MY-2003	18,587	755	4.06%	0.41%	0.13%	0.32%	0.25%	3.46%
MY-2004	20,929	766	3.66%	0.22%	0.04%	0.28%	0.11%	3.23%
MY-2005	7,552	275	3.64%	0.19%	0.05%	0.33%	0.25%	3.02%
MY-2006	5,666	190	3.35%	0.23%	0.04%	0.30%	0.28%	2.79%
MY-2007	5,960	134	2.25%	0.23%	0.07%	0.15%	0.29%	1.85%
MY-2008	1,695	65	3.83%	2.18%	0.71%	0.24%	2.24%	1.47%
MY-2009	8	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	896,873	116,481	12.99%	6.53%	1.97%	4.49%	1.49%	4.35%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	613
Certificate of Non Compliance	3
Parts Cost	92
Hardship Extensions	197
Exempt Vehicle	85
Exempted by Directive	137
Parts Exemption	4
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,131

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,454
Stations Locked-Out at Least Once	127
Stations Conducted at Least One Test	7,460

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,139	6,119
EA	Gas Endorsement	13	0
EB	Both Endorsement	58	0
EB	Gas Endorsement	527	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	475,491	49.85	51,911	50.39	527,402	49.90
Test and Repair	192,927	47.51	91,932	47.35	284,859	47.46
Test and Repair Dealer	19	55.32	4,917	50.97	4,936	50.98
Referee	429	30.00	157	30.00	586	30.00
Gold Shield in Enhanced Area	40,779	49.21	10,550	45.23	51,329	48.39
Gold Shield in Basic Area	0	0.00	7,050	36.60	7,050	36.60
Gold Shield in COO Area	336	39.31	4,147	53.18	4,483	52.14

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	8,344	22.33	28,230	209.32
	\$51-150	7,438	101.11		
	\$151-250	4,569	199.35		
	\$251-450	4,663	335.70		
	Over \$450	3,216	775.66		
CAP Repairs	\$0-50	152	24.07	4,627	371.34
	\$51-150	356	108.35		
	\$151-250	657	204.47		
	\$251-450	1,696	353.75		
	Over \$450	1,766	533.21		
Total Repairs	\$0-50	7,265	22.66	29,324	260.10
	\$51-150	6,128	101.23		
	\$151-250	4,661	199.97		
	\$251-450	5,912	341.07		
	Over \$450	5,358	726.73		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,627	371.34

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	22	5	0	0	2	3	2	0

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	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	90	21	3	2	4	14	6	5
Acceleration Simulation Mode (ASM)	Basic	Test Only	92	12	2	2	4	8	4	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	1	2	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	29,468	6,049	824	298	2,031	3,091	2,014	734
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	128	8	0	76	42	16	1
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	6	6	0	0	2	1	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	233	280	53	116	52	142	95	152
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	138,139	14,443	1,485	721	7,129	5,641	3,943	1,420
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	2	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	385,490	68,007	10,869	3,640	19,816	38,338	24,286	7,741
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,802	599	102	32	175	333	209	65
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	9	2	0	1	5	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	14	12	3	4	2	8	3	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,783	3,481	499	185	956	1,850	1,317	400
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	13	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,689	1,871	304	111	551	1,042	607	225
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,361	250	45	15	99	133	71	30
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	282	20	2	62	187	41	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	54	29	8	8	8	16	9	18
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	13,044	1,425	168	95	641	627	388	178

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	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 Only	12,384	1,831	304	146	699	988	524	269
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,008	1,090	232	75	271	461	509	163
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	180	17	6	1	6	8	7	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	4,042	743	126	42	225	249	344	114
Two Speed Idle (TSI)	Basic	Government Fleet	0	8	1	0	5	2	2	0
Two Speed Idle (TSI)	Basic	Referee	46	30	5	15	3	9	13	21
Two Speed Idle (TSI)	Basic	Test and Repair	47,437	6,397	1,050	335	1,904	2,238	2,904	780
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,532	244	30	12	97	68	84	26
Two Speed Idle (TSI)	Basic	Test Only	7,508	1,249	267	71	377	551	475	142
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	50	8	1	1	1	2	4	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,941	378	96	26	87	193	150	48
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	168	47	8	5	8	23	24	8
Two Speed Idle (TSI)	Change of Ownership	Referee	6	3	0	0	0	2	1	1
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,059	301	71	15	88	133	139	48
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	50	5	1	0	2	2	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	818	155	48	7	38	82	57	14
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	418	37	4	1	21	6	10	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	435	41	5	1	21	13	10	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,100	491	86	23	198	157	204	60
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	26	5	0	16	7	5	1
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	27	6	1	0	0	2	3	4
Two Speed Idle (TSI)	Enhanced	Referee	56	36	6	13	16	14	7	23
Two Speed Idle (TSI)	Enhanced	Test and Repair	24,169	1,777	214	101	1,005	413	499	179
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	410	29	1	0	19	4	9	0
Two Speed Idle (TSI)	Enhanced	Test Only	35,927	3,149	482	147	1,659	918	778	280
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	49	2	1	1	0	1	1	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	42	3	0	0	2	2	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	285	42	7	6	21	9	15	7

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	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	2,121	251	47	13	95	72	107	33
Two Speed Idle (TSI)	Partial	Test Only	999	98	23	5	33	39	30	9
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	286	53	7	5	24	16	18	5
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	868	119	25	13	33	51	52	19
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	516	65	12	5	30	22	21	9
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	8	2	0	1	4	3	1
Two Speed Idle (TSI)	Unknown Program	Referee	49	38	9	3	5	29	3	27
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,393	518	73	39	248	152	178	63
Two Speed Idle (TSI)	Unknown Program	Test Only	2,865	203	31	12	104	67	46	20
UnKnown TestType	Basic	Referee	3	3	0	0	0	3	0	3
UnKnown TestType	Change of Ownership	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Referee	15	15	0	0	0	15	0	14
UnKnown TestType	Unknown Program	Referee	21	21	0	0	0	21	0	21

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