

Executive Summary Report

SMOG CHECK Statewide

April 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	819,222	106,919	13.05%
Total	952,263	136,626	14.35%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	697,689	85.16%	121,533	14.84%
Total	795,505	83.54%	156,758	16.46%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	412,643	85.39%	70,578	14.61%
Total	472,827	84.52%	86,577	15.48%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	16,584	2.02%
All Emissions	54,135	6.61%
All Visual	12,855	1.57%
All Functional	37,282	4.55%
OBDII	35,454	4.33%
Overall	106,919	13.05%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	654,201	85,804	13.12%	12,993	1.99%
Partially Enhanced	39,642	6,053	15.27%	891	2.25%
Basic	74,126	9,436	12.73%	1,688	2.28%
Change of Ownership	6,066	958	15.79%	262	4.32%
No Program	7	2	28.57%	0	0.00%
Unknown Program	45,180	4,666	10.33%	750	1.66%
Total Program Area	819,222	106,919	13.05%	16,584	2.02%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	483,221	69,111	14.30%	11,307	2.34%
Regular	265,133	26,626	10.04%	3,506	1.32%
Basic Area Dealer	5,078	280	5.51%	33	0.65%
Gold Shield in Enhanced Area	49,598	8,245	16.62%	1,170	2.36%
Gold Shield in Basic Area	6,259	1,143	18.26%	262	4.19%
Gold Shield in COO Area	4,156	575	13.84%	157	3.78%
Business Fleet	7	0	0.00%	0	0.00%
Permanent Fleet Registered	60	7	11.67%	1	1.67%
Referee	937	516	55.07%	107	11.42%
Government Fleet	4,772	416	8.72%	41	0.86%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	819,222	106,919	13.05%	16,584	2.02%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	255,197	226,923
Directed Vehicles	228,024	185,720
Total	483,221	412,643

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	44,700	37,896
Directed Vehicles	15,313	11,517
Total	60,013	49,413

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-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	1	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%
MY-1973	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	6	2	33.33%	0.00%	0.00%	33.33%	16.67%	0.00%
MY-1975	12	3	25.00%	8.33%	0.00%	16.67%	0.00%	0.00%
MY-1976	1,542	447	28.99%	20.10%	9.66%	18.74%	9.79%	0.00%
MY-1977	1,943	589	30.31%	17.09%	8.65%	21.31%	8.34%	0.00%
MY-1978	2,365	764	32.30%	19.07%	9.22%	21.65%	8.88%	0.00%
MY-1979	2,305	711	30.85%	18.92%	9.15%	20.65%	9.41%	0.00%
MY-1980	1,562	503	32.20%	22.22%	11.97%	20.93%	11.20%	0.00%
MY-1981	1,881	602	32.00%	24.46%	11.86%	18.77%	8.08%	0.00%
MY-1982	2,257	699	30.97%	23.70%	11.17%	16.44%	7.58%	0.00%
MY-1983	3,036	975	32.11%	23.35%	10.08%	18.61%	9.12%	0.00%
MY-1984	5,446	1,715	31.49%	24.15%	12.30%	18.69%	8.45%	0.00%
MY-1985	7,282	2,182	29.96%	22.34%	10.31%	17.06%	6.73%	0.00%
MY-1986	10,469	2,973	28.40%	20.26%	9.45%	17.22%	6.41%	0.00%
MY-1987	12,170	3,555	29.21%	21.39%	8.87%	16.48%	5.60%	0.00%
MY-1988	15,189	4,028	26.52%	19.41%	7.51%	14.46%	4.61%	0.00%
MY-1989	19,815	4,806	24.25%	16.70%	6.25%	13.90%	3.96%	0.00%
MY-1990	23,316	5,230	22.43%	15.92%	5.48%	12.27%	3.00%	0.00%
MY-1991	26,950	5,599	20.78%	14.47%	4.76%	11.30%	2.46%	0.00%
MY-1992	26,894	5,261	19.56%	13.51%	4.30%	10.42%	2.54%	0.00%
MY-1993	31,971	6,832	21.37%	15.64%	3.95%	10.27%	2.63%	0.00%
MY-1994	40,424	7,424	18.37%	12.03%	2.58%	9.33%	2.05%	0.00%
MY-1995	38,195	6,444	16.87%	11.12%	2.37%	8.29%	1.96%	0.00%
MY-1996	53,067	8,245	15.54%	6.21%	0.85%	1.45%	1.03%	10.70%
MY-1997	43,801	6,545	14.94%	5.46%	0.98%	1.47%	1.13%	10.60%
MY-1998	69,232	7,092	10.24%	3.02%	0.54%	0.85%	0.69%	7.65%
MY-1999	51,402	5,069	9.86%	2.24%	0.48%	0.81%	0.68%	7.88%
MY-2000	110,192	7,589	6.89%	1.12%	0.27%	0.56%	0.46%	5.70%
MY-2001	39,186	3,399	8.67%	1.10%	0.27%	0.70%	0.48%	7.55%
MY-2002	116,560	5,608	4.81%	0.42%	0.11%	0.46%	0.34%	4.17%
MY-2003	18,086	692	3.83%	0.48%	0.13%	0.25%	0.28%	3.22%
MY-2004	20,563	729	3.55%	0.22%	0.05%	0.32%	0.15%	3.02%
MY-2005	8,005	261	3.26%	0.24%	0.06%	0.25%	0.21%	2.70%
MY-2006	5,903	154	2.61%	0.22%	0.08%	0.36%	0.30%	1.97%
MY-2007	6,096	144	2.36%	0.25%	0.03%	0.15%	0.13%	1.98%
MY-2008	2,064	46	2.23%	0.58%	0.15%	0.15%	0.53%	1.41%
MY-2009	29	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	819,222	106,919	13.05%	6.61%	2.02%	4.55%	1.57%	4.33%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	707
Certificate of Non Compliance	1
Parts Cost	102
Hardship Extensions	206
Exempt Vehicle	33
Exempted by Directive	165
Parts Exemption	2
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,216

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,369
Stations Locked-Out at Least Once	152
Stations Conducted at Least One Test	7,480

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,142	6,116
EA	Gas Endorsement	11	0
EB	Both Endorsement	56	0
EB	Gas Endorsement	534	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	427,292	49.58	48,048	50.27	475,340	49.65
Test and Repair	176,256	48.09	85,435	47.63	261,691	47.94
Test and Repair Dealer	13	38.08	5,065	50.74	5,078	50.71
Referee	482	30.00	146	30.00	628	30.00
Gold Shield in Enhanced Area	39,781	49.07	9,705	46.27	49,486	48.52
Gold Shield in Basic Area	1	40.00	6,258	36.17	6,259	36.18
Gold Shield in COO Area	54	68.96	4,090	52.02	4,144	52.24

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	7,808	22.27	26,808	211.88
	\$51-150	7,089	100.41		
	\$151-250	4,300	199.27		
	\$251-450	4,508	335.69		
	Over \$450	3,103	781.28		
CAP Repairs	\$0-50	147	26.58	4,818	371.49
	\$51-150	359	109.81		
	\$151-250	658	204.80		
	\$251-450	1,766	354.92		
	Over \$450	1,888	521.71		
Total Repairs	\$0-50	6,641	22.48	27,931	267.45
	\$51-150	5,728	100.50		
	\$151-250	4,440	200.38		
	\$251-450	5,750	341.70		
	Over \$450	5,372	724.25		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,818	371.49

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	Test and Repair	52	11	3	0	4	7	4	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	40	8	2	1	1	6	2	1

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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)	Change of Ownership	Referee	0	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	5	3	0	0	1	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	23	2	0	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	28,424	6,027	828	302	1,927	3,078	2,076	758
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	121	6	1	75	38	18	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	16	5	0	0	3	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	282	328	71	103	70	185	130	145
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	125,558	13,259	1,422	644	6,469	5,302	3,706	1,294
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	346,262	60,887	9,891	3,263	17,668	34,596	21,729	7,302
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	2	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	1	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,686	629	93	41	173	344	247	85
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	9	2	0	1	7	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	16	29	7	14	4	14	10	20
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,958	3,200	444	176	872	1,702	1,235	392
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,502	1,849	286	110	550	1,009	631	210
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,340	298	43	25	121	143	89	43
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	252	26	0	42	170	51	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	42	27	6	11	5	10	16	16
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,619	1,307	188	69	564	612	366	155

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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	12,369	1,721	297	119	677	924	508	237
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,438	1,045	243	67	263	443	479	152
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	225	33	4	4	11	10	15	7
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,531	687	105	42	216	242	316	119
Two Speed Idle (TSI)	Basic	Government Fleet	0	6	1	0	3	2	1	0
Two Speed Idle (TSI)	Basic	Referee	25	52	8	30	10	15	20	36
Two Speed Idle (TSI)	Basic	Test and Repair	43,660	6,177	1,034	332	1,778	2,258	2,786	800
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,561	234	28	6	84	60	101	27
Two Speed Idle (TSI)	Basic	Test Only	7,192	1,180	260	71	355	506	461	138
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	34	12	3	0	4	4	6	5
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,908	398	125	25	76	223	163	54
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	155	38	10	3	12	20	18	7
Two Speed Idle (TSI)	Change of Ownership	Referee	6	11	4	3	0	7	5	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,995	336	76	38	79	139	160	62
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	60	3	0	0	0	1	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	828	155	43	10	38	79	57	19
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	361	29	5	2	15	10	8	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	428	38	5	2	20	10	11	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	3,837	450	65	28	204	146	155	50
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	20	3	0	13	6	3	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	17	2	1	0	0	2	0	0
Two Speed Idle (TSI)	Enhanced	Referee	53	28	5	8	15	8	8	16
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,352	1,579	205	74	860	384	451	166
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	434	19	2	0	12	3	5	0
Two Speed Idle (TSI)	Enhanced	Test Only	32,771	3,002	484	128	1,564	905	743	282
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	37	1	0	0	0	1	1	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	32	3	1	0	0	3	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	301	41	10	2	14	16	16	9

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Two Speed Idle (TSI)	Partial	Test and Repair	2,008	210	36	12	81	70	88	29
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	46	3	0	0	2	1	0	0
Two Speed Idle (TSI)	Partial	Test Only	946	78	12	6	34	27	24	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	216	55	11	9	17	22	26	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	893	101	22	11	34	44	31	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	535	73	16	5	24	25	33	14
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	8	3	0	4	4	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	27	19	5	1	4	15	5	10
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,288	546	98	37	243	176	197	80
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	501	21	3	0	13	4	7	3
Two Speed Idle (TSI)	Unknown Program	Test Only	2,727	227	32	19	124	70	52	34
UnKnown TestType	Basic	Referee	2	2	0	0	0	2	0	2
UnKnown TestType	Enhanced	Referee	7	7	0	0	0	7	0	6
UnKnown TestType	Unknown Program	Referee	11	11	0	0	0	11	0	10

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