

Executive Summary Report

SMOG CHECK Statewide

May 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	839,338	107,809	12.84%
Total	967,897	136,067	14.06%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	717,926	85.53%	121,412	14.47%
Total	813,167	84.01%	154,730	15.99%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	426,221	85.62%	71,582	14.38%
Total	485,528	84.79%	87,106	15.21%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	16,741	1.99%
All Emissions	55,087	6.56%
All Visual	12,670	1.51%
All Functional	36,749	4.38%
OBDII	35,836	4.27%
Overall	107,809	12.84%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	675,073	87,193	12.92%	13,282	1.97%
Partially Enhanced	40,210	5,958	14.82%	876	2.18%
Basic	74,916	9,298	12.41%	1,681	2.24%
Change of Ownership	5,505	825	14.99%	216	3.92%
No Program	5	1	20.00%	0	0.00%
Unknown Program	43,629	4,534	10.39%	686	1.57%
Total Program Area	839,338	107,809	12.84%	16,741	1.99%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	497,803	70,260	14.11%	11,608	2.33%
Regular	269,098	26,164	9.72%	3,356	1.25%
Basic Area Dealer	4,765	281	5.90%	26	0.55%
Gold Shield in Enhanced Area	52,023	8,550	16.44%	1,231	2.37%
Gold Shield in Basic Area	6,467	1,141	17.64%	234	3.62%
Gold Shield in COO Area	3,818	507	13.28%	134	3.51%
Business Fleet	11	0	0.00%	0	0.00%
Permanent Fleet Registered	79	16	20.25%	3	3.80%
Referee	928	509	54.85%	118	12.72%
Government Fleet	4,346	381	8.77%	31	0.71%
Total	839,338	107,809	12.84%	16,741	1.99%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	262,630	234,593
Directed Vehicles	235,173	191,628
Total	497,803	426,221

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	46,429	39,678
Directed Vehicles	15,879	11,859
Total	62,308	51,537

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-1962	2	1	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	2	2	100.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1971	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	2	2	100.00%	50.00%	50.00%	50.00%	100.00%	0.00%
MY-1974	4	2	50.00%	50.00%	25.00%	0.00%	0.00%	0.00%
MY-1975	12	5	41.67%	25.00%	25.00%	8.33%	16.67%	0.00%
MY-1976	1,514	455	30.05%	20.15%	10.24%	18.36%	8.12%	0.00%
MY-1977	2,025	663	32.74%	20.54%	10.52%	20.89%	9.09%	0.00%
MY-1978	2,336	713	30.52%	18.49%	9.50%	20.59%	9.20%	0.00%
MY-1979	2,240	743	33.17%	20.67%	9.64%	22.37%	8.75%	0.00%
MY-1980	1,555	456	29.32%	20.51%	11.25%	18.78%	8.49%	0.00%
MY-1981	1,805	564	31.25%	22.77%	10.42%	18.28%	8.25%	0.00%
MY-1982	2,173	663	30.51%	22.55%	10.72%	16.89%	8.19%	0.00%
MY-1983	3,045	912	29.95%	22.66%	10.25%	16.58%	7.32%	0.00%
MY-1984	5,509	1,737	31.53%	24.03%	11.89%	18.41%	8.15%	0.00%
MY-1985	7,511	2,260	30.09%	22.91%	11.05%	17.11%	6.98%	0.00%
MY-1986	10,196	2,831	27.77%	20.29%	8.81%	15.84%	5.50%	0.00%
MY-1987	12,212	3,624	29.68%	22.46%	9.39%	16.39%	5.48%	0.00%
MY-1988	14,996	4,009	26.73%	19.55%	7.92%	14.59%	4.58%	0.00%
MY-1989	19,324	4,673	24.18%	17.10%	6.38%	13.51%	3.84%	0.00%
MY-1990	23,385	5,283	22.59%	16.13%	5.64%	11.95%	3.30%	0.00%
MY-1991	27,385	5,806	21.20%	14.91%	4.79%	11.19%	2.69%	0.00%
MY-1992	27,791	5,395	19.41%	13.19%	4.30%	10.45%	2.46%	0.00%
MY-1993	32,254	6,809	21.11%	15.44%	3.62%	9.99%	2.21%	0.00%
MY-1994	41,793	7,431	17.78%	11.81%	2.52%	8.86%	1.99%	0.00%
MY-1995	37,991	6,328	16.66%	10.97%	2.36%	8.32%	1.91%	0.00%
MY-1996	55,176	8,529	15.46%	6.32%	0.93%	1.49%	1.10%	10.39%
MY-1997	44,294	6,753	15.25%	5.81%	1.05%	1.61%	1.09%	10.72%
MY-1998	72,645	7,189	9.90%	2.99%	0.51%	0.73%	0.68%	7.28%
MY-1999	52,179	4,995	9.57%	2.34%	0.45%	0.73%	0.74%	7.48%
MY-2000	117,087	7,836	6.69%	1.12%	0.26%	0.53%	0.40%	5.55%
MY-2001	37,817	3,168	8.38%	1.02%	0.23%	0.61%	0.52%	7.41%
MY-2002	125,413	6,013	4.79%	0.42%	0.09%	0.44%	0.31%	4.16%
MY-2003	17,253	690	4.00%	0.39%	0.14%	0.32%	0.28%	3.40%
MY-2004	19,512	643	3.30%	0.26%	0.06%	0.25%	0.21%	2.83%
MY-2005	7,405	251	3.39%	0.18%	0.03%	0.27%	0.16%	2.97%
MY-2006	5,354	170	3.18%	0.21%	0.07%	0.26%	0.30%	2.58%
MY-2007	5,887	141	2.40%	0.29%	0.12%	0.20%	0.15%	1.95%
MY-2008	2,216	63	2.84%	0.77%	0.18%	0.41%	0.86%	1.58%
MY-2009	35	1	2.86%	0.00%	0.00%	0.00%	0.00%	2.86%
All Model Years	839,338	107,809	12.84%	6.56%	1.99%	4.38%	1.51%	4.27%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	657
Certificate of Non Compliance	2
Parts Cost	87
Hardship Extensions	191
Exempt Vehicle	36
Exempted by Directive	145
Parts Exemption	4
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,122

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,344
Stations Locked-Out at Least Once	160
Stations Conducted at Least One Test	7,477

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,139	5,885
EA	Gas Endorsement	12	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	421,527	49.85	47,234	50.83	468,761	49.95
Test and Repair	173,796	47.60	83,864	47.54	257,660	47.58
Test and Repair Dealer	19	44.89	4,697	51.94	4,716	51.92
Referee	460	30.00	136	30.00	596	30.00
Gold Shield in Enhanced Area	40,427	49.23	9,746	46.16	50,173	48.63
Gold Shield in Basic Area	0	0.00	6,308	35.42	6,308	35.42
Gold Shield in COO Area	38	72.18	3,707	53.60	3,745	53.79

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	7,732	22.03	25,816	214.27
	\$51-150	6,609	100.69		
	\$151-250	4,056	198.75		
	\$251-450	4,408	335.30		
	Over \$450	3,011	801.00		
CAP Repairs	\$0-50	143	23.68	4,508	377.91
	\$51-150	282	107.67		
	\$151-250	631	205.32		
	\$251-450	1,658	355.31		
	Over \$450	1,794	530.21		
Total Repairs	\$0-50	6,600	22.23	26,809	269.88
	\$51-150	5,328	100.86		
	\$151-250	4,126	199.62		
	\$251-450	5,624	341.11		
	Over \$450	5,131	742.38		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,508	377.91

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	7	6	0	0	2	3	0	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	31	4	0	0	3	1	0	0

	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 Only	40	4	0	0	0	4	2	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	11	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	30,246	6,248	840	316	2,025	3,229	2,096	798
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	91	3	1	48	31	14	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	14	12	2	0	0	10	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	274	333	83	97	72	179	117	153
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	129,349	13,096	1,313	640	6,433	5,132	3,545	1,289
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	359,709	62,263	10,295	3,215	18,008	35,790	21,684	7,277
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	1	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,750	652	88	27	203	367	215	67
Acceleration Simulation Mode (ASM)	Partial	Referee	13	24	6	8	8	13	10	13
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,796	3,211	461	181	917	1,739	1,150	367
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	8	4	0	1	0	2	3	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,549	1,736	269	100	493	974	581	203
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,431	254	40	18	94	129	78	28
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	258	25	2	51	188	30	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	39	30	5	14	7	16	9	21
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,187	1,300	172	76	565	610	349	148
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,504	1,701	269	134	650	922	496	239

	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	4,524	1,063	222	85	261	447	510	189
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	223	27	4	0	9	12	10	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,641	740	145	45	227	274	347	125
Two Speed Idle (TSI)	Basic	Government Fleet	0	3	0	0	2	1	0	0
Two Speed Idle (TSI)	Basic	Referee	37	47	9	29	7	16	20	36
Two Speed Idle (TSI)	Basic	Test and Repair	44,632	6,058	1,046	303	1,827	2,177	2,734	728
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,440	228	24	5	86	54	102	22
Two Speed Idle (TSI)	Basic	Test Only	7,192	1,116	231	63	359	463	419	119
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	46	8	2	1	2	3	4	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,666	337	94	25	65	186	134	53
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	151	50	14	6	12	25	21	8
Two Speed Idle (TSI)	Change of Ownership	Referee	3	3	0	0	0	1	2	1
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,857	282	61	22	82	118	122	39
Two Speed Idle (TSI)	Change of Ownership	Test Only	802	142	45	13	33	67	66	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	373	23	1	1	16	3	4	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	428	33	4	1	20	10	4	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	3,981	502	77	29	207	154	194	68
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	24	1	0	12	8	5	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	18	4	1	0	0	1	3	2
Two Speed Idle (TSI)	Enhanced	Referee	39	32	3	15	8	7	9	16
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,471	1,516	197	71	846	362	443	150
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	375	16	1	0	12	1	3	0
Two Speed Idle (TSI)	Enhanced	Test Only	33,777	2,992	461	118	1,583	896	773	260
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	41	4	1	1	0	2	2	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	39	5	0	1	2	1	2	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	262	34	10	0	11	16	15	2
Two Speed Idle (TSI)	Partial	Test and Repair	1,915	192	33	14	73	71	75	28
Two Speed Idle (TSI)	Partial	Test Only	882	93	8	7	52	25	18	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	291	43	8	1	19	11	17	8

	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	Gold Shield in COO Area	853	104	32	4	20	57	48	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	565	64	17	5	23	25	26	12
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	5	2	0	1	3	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	35	22	12	4	0	19	4	20
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,080	504	73	33	232	150	178	73
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	461	31	1	1	22	3	5	3
Two Speed Idle (TSI)	Unknown Program	Test Only	2,754	212	30	12	122	62	47	23
UnKnown TestType	Basic	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Referee	7	7	0	0	0	7	0	7
UnKnown TestType	Unknown Program	Referee	6	6	0	0	0	6	0	6