

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,535,183	327,378	12.91%
Total	2,926,184	413,203	14.12%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,164,723	85.39%	370,460	14.61%
Total	2,453,658	83.85%	472,526	16.15%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,288,485	85.47%	219,085	14.53%
Total	1,469,438	84.65%	266,559	15.35%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	50,253	1.98%
All Emissions	164,030	6.47%
All Visual	35,437	1.40%
All Functional	216,894	8.56%
OBDII	110,034	4.34%
Overall	327,378	12.91%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	764,023	680,342
Directed Vehicles	743,547	608,143
Total	1,507,570	1,288,485

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	132,620	113,094
Directed Vehicles	45,657	34,934
Total	178,277	148,028

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,536	288	551	48	0	5,423
Test Only	2,195	39	22	2	0	2,258
Basic Area Dealer	0	1	122	0	0	123
Gold Shield	441	29	56	74	0	600
Business Fleet	5	1	0	0	0	6
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	7,491	368	799	127	0	8,785

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,033,063	264,725	13.02%	39,760	1.96%
Partially Enhanced	123,926	18,429	14.87%	2,812	2.27%
Basic	226,292	27,778	12.28%	4,871	2.15%
Change of Ownership	17,505	2,578	14.73%	654	3.74%
No Program	17	1	5.88%	0	0.00%
Unknown Program	134,380	13,867	10.32%	2,156	1.60%
Total Program Area	2,535,183	327,378	12.91%	50,253	1.98%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,507,570	214,638	14.24%	34,956	2.32%
Regular	819,295	81,277	9.92%	10,383	1.27%
Basic Area Dealer	14,505	826	5.69%	94	0.65%
Gold Shield in Enhanced Area	145,415	23,370	16.07%	3,388	2.33%
Gold Shield in Basic Area	19,706	3,199	16.23%	641	3.25%
Gold Shield in COO Area	13,156	1,832	13.93%	460	3.50%
Business Fleet	34	2	5.88%	0	0.00%
Permanent Fleet Registered	131	23	17.56%	3	2.29%
Referee	2,286	1,060	46.37%	243	10.63%
Government Fleet	13,082	1,151	8.80%	85	0.65%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	2,535,183	327,378	12.91%	50,253	1.98%

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-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1934	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1955	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	9	6	66.67%	33.33%	33.33%	0.00%	22.22%	0.00%
MY-1966	2	1	50.00%	50.00%	50.00%	0.00%	0.00%	0.00%
MY-1967	1	1	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
MY-1968	2	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-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	12	1	8.33%	8.33%	8.33%	8.33%	8.33%	0.00%
MY-1975	33	14	42.42%	33.33%	24.24%	27.27%	18.18%	0.00%
MY-1976	4,133	1,311	31.72%	20.54%	9.65%	19.99%	9.00%	0.00%
MY-1977	5,822	1,843	31.66%	18.10%	7.97%	21.35%	8.86%	0.00%
MY-1978	6,704	2,175	32.44%	19.11%	9.16%	22.26%	8.64%	0.00%
MY-1979	7,482	2,532	33.84%	20.69%	9.81%	22.67%	9.28%	0.00%
MY-1980	4,635	1,451	31.31%	21.21%	10.90%	19.61%	9.30%	0.00%
MY-1981	5,518	1,764	31.97%	23.43%	10.78%	18.85%	8.83%	0.00%
MY-1982	6,368	1,937	30.42%	22.36%	10.65%	18.14%	7.88%	0.00%
MY-1983	8,690	2,726	31.37%	23.25%	10.97%	18.22%	7.08%	0.00%
MY-1984	16,375	5,154	31.47%	24.10%	12.04%	17.98%	7.25%	0.00%
MY-1985	22,384	6,883	30.75%	23.08%	10.97%	17.65%	6.42%	0.00%
MY-1986	30,773	8,688	28.23%	20.38%	9.31%	16.43%	5.45%	0.00%
MY-1987	37,059	10,744	28.99%	21.54%	8.77%	15.98%	4.98%	0.00%
MY-1988	44,945	11,924	26.53%	19.40%	7.59%	14.56%	4.20%	0.00%
MY-1989	61,261	14,580	23.80%	16.66%	6.18%	13.46%	3.41%	0.00%
MY-1990	72,324	16,239	22.45%	15.97%	5.55%	12.05%	2.86%	0.00%
MY-1991	81,917	17,264	21.07%	14.55%	4.78%	11.47%	2.36%	0.00%
MY-1992	82,449	16,081	19.50%	13.43%	4.24%	10.20%	2.09%	0.00%
MY-1993	98,768	20,742	21.00%	15.27%	3.67%	10.01%	2.17%	0.00%
MY-1994	120,169	21,676	18.04%	11.80%	2.59%	9.20%	1.94%	0.00%
MY-1995	121,481	20,306	16.72%	10.84%	2.40%	8.42%	1.87%	0.00%
MY-1996	159,181	24,761	15.56%	6.17%	0.98%	11.43%	1.03%	10.68%
MY-1997	141,733	21,607	15.24%	5.51%	0.96%	11.63%	0.96%	10.90%
MY-1998	212,644	21,253	9.99%	2.95%	0.55%	7.85%	0.65%	7.44%
MY-1999	168,891	16,280	9.64%	2.18%	0.43%	8.02%	0.63%	7.66%
MY-2000	339,225	22,339	6.59%	1.05%	0.24%	5.74%	0.38%	5.44%
MY-2001	146,449	13,148	8.98%	0.98%	0.26%	8.28%	0.45%	7.93%
MY-2002	345,755	15,427	4.46%	0.36%	0.09%	4.07%	0.28%	3.83%
MY-2003	54,868	2,179	3.97%	0.41%	0.13%	3.57%	0.20%	3.33%
MY-2004	66,764	2,538	3.80%	0.21%	0.05%	3.57%	0.12%	3.26%
MY-2005	21,411	727	3.40%	0.14%	0.04%	3.12%	0.20%	2.84%
MY-2006	17,102	534	3.12%	0.15%	0.05%	2.92%	0.15%	2.62%
MY-2007	17,636	440	2.49%	0.16%	0.12%	2.30%	0.09%	2.11%
MY-2008	4,191	97	2.31%	0.84%	0.74%	1.53%	0.10%	1.41%
MY-2009	11	1	9.09%	9.09%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,535,183	327,378	12.91%	6.47%	1.98%	8.56%	1.40%	4.34%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,718
Certificate of Non Compliance	8
Parts Cost	262
Hardship Extensions	533
Exempt Vehicle	252
Exempted by Directive	402
Parts Exemption	6
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	3,181

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,255
Stations Locked-Out at Least Once	1,926
Stations Conducted at Least One Test	7,530

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,731	6,038
EA	Gas Endorsement	14	0
EB	Both Endorsement	64	0
EB	Gas Endorsement	549	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	1,337,394	49.82	148,503	50.50	1,485,897	49.89
Test and Repair	550,179	47.94	260,425	47.63	810,604	47.84
Test and Repair Dealer	45	49.98	14,468	50.10	14,513	50.10
Referee	1,132	30.00	426	30.00	1,558	30.00
Gold Shield in Enhanced Area	115,204	48.89	29,474	45.42	144,678	48.18
Gold Shield in Basic Area	1	55.00	19,727	37.93	19,728	37.93
Gold Shield in COO Area	246	56.94	12,912	49.30	13,158	49.44

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	22,854	22.17	79,353	212.28
	\$51-150	20,798	100.86		
	\$151-250	13,068	199.39		
	\$251-450	13,432	336.26		
	Over \$450	9,201	773.64		
CAP Repairs	\$1-50	445	24.62	12,411	365.85
	\$51-150	1,030	107.05		
	\$151-250	1,782	203.66		
	\$251-450	4,540	352.85		
	Over \$450	4,614	531.97		
Total Repairs	\$1-50	19,933	22.42	82,251	260.00
	\$51-150	17,273	101.01		
	\$151-250	13,442	200.05		
	\$251-450	16,869	341.40		
	Over \$450	14,734	729.31		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	11,421	365.85

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	42	11	1	0	4	7	7	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	198	36	5	3	7	23	20	7

	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	200	23	2	2	7	16	13	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	4	2	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	30	3	2	0	1	2	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	38	4	0	1	2	1	4	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	181	18	1	0	10	8	13	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	83,329	16,912	2,329	814	5,676	8,533	10,973	1,996
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	363	12	2	206	110	259	4
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	6	11	1	0	5	3	8	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	657	719	140	286	150	373	377	381
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	389,984	40,863	4,284	2,001	20,205	15,815	30,531	3,812
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	7	3	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,084,446	189,959	30,771	9,908	55,381	107,202	120,011	20,494
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,896	1,817	287	76	556	1,002	1,140	184
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	15	3	1	3	8	6	1
Acceleration Simulation Mode (ASM)	Partial	Referee	31	36	6	15	9	19	22	20
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	54,231	10,010	1,458	507	2,780	5,278	6,371	1,076
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	31	3	0	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	29,995	5,455	877	313	1,545	3,054	3,306	604
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	3,876	745	128	53	281	376	496	105

	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	Government Fleet	0	650	50	2	128	457	207	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	139	62	20	18	15	34	33	24
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	38,768	4,217	525	236	1,900	1,882	2,943	439
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	35,987	5,306	925	382	2,016	2,899	3,419	701
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	14,134	2,931	605	183	737	1,191	2,016	419
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	1,116	230	53	10	61	98	155	16
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	11,197	2,088	357	131	631	730	1,502	329
Two Speed Idle (TSI)	Basic	Government Fleet	0	29	2	0	16	4	25	0
Two Speed Idle (TSI)	Basic	Referee	94	81	15	35	18	27	51	45
Two Speed Idle (TSI)	Basic	Test and Repair	133,886	18,150	2,984	933	5,508	6,365	13,230	2,055
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	10,349	676	85	30	250	175	509	67
Two Speed Idle (TSI)	Basic	Test Only	21,749	3,522	762	181	1,118	1,488	2,313	371
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	149	26	5	3	9	6	21	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,577	1,122	309	80	227	600	665	137
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	463	110	19	11	24	49	75	17
Two Speed Idle (TSI)	Change of Ownership	Referee	10	9	3	3	1	6	4	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,771	873	198	58	241	374	621	132
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	124	9	1	0	2	5	4	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,454	420	117	29	96	214	258	55
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,149	106	11	7	64	18	89	11
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,387	114	14	2	51	34	86	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	11,460	1,383	216	59	604	419	1,069	158
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	65	11	0	31	20	47	2
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	48	11	2	0	0	7	5	5
Two Speed Idle (TSI)	Enhanced	Referee	153	89	13	39	34	29	50	48
Two Speed Idle (TSI)	Enhanced	Test and Repair	68,852	4,966	593	244	2,750	1,152	4,039	466
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,305	79	4	1	55	10	72	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
Two Speed Idle (TSI)	Enhanced	Test Only	102,340	9,062	1,358	384	4,796	2,634	6,811	748
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	121	10	3	1	5	3	8	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	125	16	3	0	7	5	14	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	792	111	18	9	52	33	86	12
Two Speed Idle (TSI)	Partial	Referee	5	4	1	3	1	1	4	4
Two Speed Idle (TSI)	Partial	Test and Repair	6,176	679	106	44	270	199	525	89
Two Speed Idle (TSI)	Partial	Test Only	2,841	264	50	15	108	97	177	27
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	797	125	17	14	62	37	98	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,669	328	80	28	103	141	230	46
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,530	191	33	19	90	56	148	31
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	29	7	1	7	17	15	3
Two Speed Idle (TSI)	Unknown Program	Referee	152	60	45	9	6	48	15	16
Two Speed Idle (TSI)	Unknown Program	Test and Repair	15,665	1,480	228	104	731	433	1,178	170
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,256	51	4	3	36	9	44	4
Two Speed Idle (TSI)	Unknown Program	Test Only	8,428	622	94	31	334	188	458	62