

Executive Summary Report

SMOG CHECK Statewide

Second Quarter 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,482,622	319,633	12.87%
Total	2,871,398	406,384	14.15%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,122,379	85.49%	360,243	14.51%
Total	2,408,856	83.89%	462,542	16.11%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,259,202	85.60%	211,898	14.40%
Total	1,436,531	84.73%	258,947	15.27%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	49,566	2.00%
All Emissions	163,433	6.58%
All Visual	37,610	1.51%
All Functional	208,715	8.41%
OBDII	106,119	4.27%
Overall	319,633	12.87%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	777,292	693,349
Directed Vehicles	693,808	565,853
Total	1,471,100	1,259,202

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	138,796	118,383
Directed Vehicles	48,196	36,204
Total	186,992	154,587

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,436	286	541	46	0	5,309
Test Only	2,218	38	23	1	0	2,280
Basic Area Dealer	0	1	119	0	0	120
Gold Shield	471	33	59	74	0	637
Business Fleet	5	0	0	0	0	5
Permanent Fleet Registered	35	1	5	0	0	41
Referee	36	0	6	1	0	43
Government Fleet	243	9	37	2	0	291
Unknown Type	1	0	0	0	0	1
Total	7,445	368	790	124	0	8,727

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,990,548	257,634	12.94%	39,145	1.97%
Partially Enhanced	119,803	17,913	14.95%	2,667	2.23%
Basic	223,930	28,022	12.51%	4,983	2.23%
Change of Ownership	16,900	2,586	15.30%	689	4.08%
No Program	14	4	28.57%	0	0.00%
Unknown Program	131,427	13,474	10.25%	2,082	1.58%
Total Program Area	2,482,622	319,633	12.87%	49,566	2.00%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,471,100	207,724	14.12%	34,132	2.32%
Regular	794,550	77,899	9.80%	10,068	1.27%
Basic Area Dealer	14,545	809	5.56%	106	0.73%
Gold Shield in Enhanced Area	156,199	25,653	16.42%	3,671	2.35%
Gold Shield in Basic Area	19,037	3,368	17.69%	741	3.89%
Gold Shield in COO Area	11,756	1,569	13.35%	420	3.57%
Business Fleet	31	0	0.00%	0	0.00%
Permanent Fleet Registered	246	32	13.01%	5	2.03%
Referee	2,769	1,445	52.18%	326	11.77%
Government Fleet	12,387	1,134	9.15%	97	0.78%
Unknown Privilege	2	0	0.00%	0	0.00%
Total	2,482,622	319,633	12.87%	49,566	2.00%

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-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1962	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	4	3	75.00%	50.00%	25.00%	25.00%	50.00%	0.00%
MY-1968	2	2	100.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1969	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	3	2	66.67%	33.33%	0.00%	33.33%	33.33%	0.00%
MY-1971	4	2	50.00%	50.00%	0.00%	25.00%	25.00%	0.00%
MY-1972	3	2	66.67%	33.33%	0.00%	66.67%	66.67%	0.00%
MY-1973	4	2	50.00%	25.00%	25.00%	25.00%	50.00%	0.00%
MY-1974	18	6	33.33%	16.67%	11.11%	11.11%	11.11%	0.00%
MY-1975	35	14	40.00%	25.71%	14.29%	14.29%	8.57%	0.00%
MY-1976	4,441	1,327	29.88%	19.82%	9.82%	18.94%	8.65%	0.00%
MY-1977	5,842	1,805	30.90%	18.42%	9.28%	20.68%	8.61%	0.00%
MY-1978	6,967	2,203	31.62%	18.85%	9.29%	21.04%	9.27%	0.00%
MY-1979	6,801	2,195	32.27%	20.26%	9.94%	21.70%	9.20%	0.00%
MY-1980	4,636	1,412	30.46%	21.03%	11.09%	19.26%	9.25%	0.00%
MY-1981	5,446	1,708	31.36%	23.78%	11.29%	18.23%	8.12%	0.00%
MY-1982	6,430	1,958	30.45%	22.80%	10.89%	16.70%	8.07%	0.00%
MY-1983	9,225	2,806	30.42%	22.66%	10.41%	17.26%	7.90%	0.00%
MY-1984	16,217	5,085	31.36%	24.16%	12.06%	18.07%	8.09%	0.00%
MY-1985	21,777	6,481	29.76%	22.62%	10.62%	16.95%	6.69%	0.00%
MY-1986	30,400	8,540	28.09%	20.28%	9.24%	16.30%	5.90%	0.00%
MY-1987	36,126	10,631	29.43%	22.08%	9.20%	16.25%	5.46%	0.00%
MY-1988	44,964	11,903	26.47%	19.46%	7.57%	14.40%	4.54%	0.00%
MY-1989	58,031	14,008	24.14%	17.00%	6.27%	13.52%	3.85%	0.00%
MY-1990	69,727	15,749	22.59%	16.00%	5.54%	12.22%	3.06%	0.00%
MY-1991	81,009	16,984	20.97%	14.77%	4.82%	11.16%	2.52%	0.00%
MY-1992	81,349	15,834	19.46%	13.36%	4.29%	10.33%	2.48%	0.00%
MY-1993	96,001	20,294	21.14%	15.56%	3.80%	9.89%	2.40%	0.00%
MY-1994	123,341	22,045	17.87%	11.81%	2.57%	8.96%	2.01%	0.00%
MY-1995	113,576	19,082	16.80%	11.09%	2.38%	8.34%	1.92%	0.00%
MY-1996	162,782	25,197	15.48%	6.33%	0.90%	11.14%	1.09%	10.48%
MY-1997	131,442	19,781	15.05%	5.67%	0.99%	11.25%	1.07%	10.61%
MY-1998	213,477	21,373	10.01%	3.03%	0.51%	7.74%	0.70%	7.40%
MY-1999	154,044	14,974	9.72%	2.35%	0.45%	7.97%	0.69%	7.65%
MY-2000	342,840	23,222	6.77%	1.15%	0.25%	5.83%	0.43%	5.57%
MY-2001	112,523	9,504	8.45%	1.11%	0.25%	7.62%	0.50%	7.38%
MY-2002	368,535	17,649	4.79%	0.45%	0.10%	4.32%	0.33%	4.13%
MY-2003	52,115	2,079	3.99%	0.48%	0.14%	3.52%	0.28%	3.35%
MY-2004	58,302	1,998	3.43%	0.26%	0.07%	3.10%	0.19%	2.92%
MY-2005	22,989	752	3.27%	0.22%	0.04%	2.97%	0.18%	2.78%
MY-2006	16,622	484	2.91%	0.20%	0.06%	2.55%	0.22%	2.36%
MY-2007	17,617	399	2.26%	0.20%	0.07%	2.03%	0.08%	1.92%
MY-2008	6,798	133	1.96%	0.29%	0.19%	1.63%	0.12%	1.40%
MY-2009	153	5	3.27%	0.00%	0.00%	3.27%	0.00%	3.27%
All Model Years	2,482,622	319,633	12.87%	6.58%	2.00%	8.41%	1.51%	4.27%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	2,007
Certificate of Non Compliance	3
Parts Cost	288
Hardship Extensions	610
Exempt Vehicle	106
Exempted by Directive	467
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	3,490

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,186
Stations Locked-Out at Least Once	1,183
Stations Conducted at Least One Test	7,541

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,737	6,031
EA	Gas Endorsement	12	0
EB	Both Endorsement	59	0
EB	Gas Endorsement	557	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	1,301,973	49.77	146,030	50.70	1,448,003	49.86
Test and Repair	529,295	47.74	255,855	47.53	785,150	47.67
Test and Repair Dealer	51	52.25	14,494	51.60	14,545	51.61
Referee	1,405	30.00	405	30.00	1,810	30.00
Gold Shield in Enhanced Area	125,767	49.19	30,119	46.16	155,886	48.61
Gold Shield in Basic Area	7	69.43	19,030	35.99	19,037	36.01
Gold Shield in COO Area	62	90.37	11,590	53.40	11,652	53.60

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	23,161	22.14	77,859	211.12
	\$51-150	20,334	100.64		
	\$151-250	12,296	198.90		
	\$251-450	13,098	335.85		
	Over \$450	8,970	784.09		
CAP Repairs	\$1-50	424	24.44	14,026	373.22
	\$51-150	970	107.59		
	\$151-250	1,914	204.72		
	\$251-450	5,230	354.68		
	Over \$450	5,488	523.55		
Total Repairs	\$1-50	19,740	22.35	81,138	267.10
	\$51-150	16,373	100.79		
	\$151-250	12,645	200.00		
	\$251-450	16,820	341.92		
	Over \$450	15,560	726.24		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	12,964	373.22

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	20	9	0	0	2	4	4	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	142	31	7	0	12	16	22	3

	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	127	15	3	1	3	13	7	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	2	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	2	1	1	0	2	2	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	23	6	0	0	1	4	2	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	51	3	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	90,304	18,790	2,561	927	6,086	9,729	12,004	2,331
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	293	13	2	166	98	203	4
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	53	23	3	0	5	15	8	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	821	993	223	328	216	552	549	468
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	378,689	38,699	4,022	1,880	18,980	15,408	28,319	3,787
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,059,988	183,674	30,101	9,655	53,109	105,539	114,265	21,592
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	3	3	0	0	0	2	2	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	3	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	8,439	2,001	291	99	612	1,089	1,277	232
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	10	2	0	2	7	4	0
Acceleration Simulation Mode (ASM)	Partial	Referee	44	82	20	36	16	40	42	52
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	52,098	9,557	1,357	520	2,675	5,134	5,968	1,111
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	28	4	0	1	0	2	3	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	28,421	5,261	823	306	1,514	2,953	3,182	604
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,330	846	133	64	307	439	554	116

	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	729	64	2	123	519	237	9
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	121	74	14	36	15	31	43	48
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	36,615	3,800	516	224	1,649	1,798	2,563	461
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	35,592	5,085	823	357	1,967	2,758	3,335	681
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	13,453	3,099	689	229	783	1,299	2,131	519
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	681	78	9	5	25	28	55	11
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	11,014	2,159	378	122	658	764	1,585	356
Two Speed Idle (TSI)	Basic	Government Fleet	0	13	1	0	8	3	10	0
Two Speed Idle (TSI)	Basic	Referee	89	145	27	86	24	47	78	107
Two Speed Idle (TSI)	Basic	Test and Repair	132,659	18,335	3,039	951	5,494	6,581	13,241	2,268
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	10,484	678	97	15	246	187	522	77
Two Speed Idle (TSI)	Basic	Test Only	21,670	3,459	733	205	1,056	1,477	2,303	391
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	124	36	12	1	9	15	26	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,223	1,091	319	73	212	597	640	150
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	473	132	31	13	30	65	94	23
Two Speed Idle (TSI)	Change of Ownership	Referee	12	17	6	5	1	11	9	10
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,629	866	199	76	223	372	602	139
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	114	4	0	0	1	1	3	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,373	430	121	34	107	212	265	61
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,099	76	9	4	43	19	62	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,258	90	11	3	52	25	71	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	11,959	1,402	209	76	612	449	1,061	169
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	67	11	0	30	25	44	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	81	9	2	0	0	5	3	3
Two Speed Idle (TSI)	Enhanced	Referee	131	82	10	33	33	17	50	40
Two Speed Idle (TSI)	Enhanced	Test and Repair	66,614	4,504	574	211	2,520	1,053	3,636	454
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,143	49	3	0	35	5	45	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
Two Speed Idle (TSI)	Enhanced	Test Only	99,988	8,877	1,393	370	4,682	2,692	6,637	780
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	110	6	1	1	1	3	4	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	110	10	2	1	2	6	5	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	897	114	27	6	44	48	83	17
Two Speed Idle (TSI)	Partial	Test and Repair	5,921	583	107	34	231	203	442	73
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	112	9	0	0	5	1	8	1
Two Speed Idle (TSI)	Partial	Test Only	2,767	272	37	17	130	86	191	31
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	756	149	30	17	52	50	111	34
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,621	297	79	19	87	143	198	38
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,652	198	41	11	81	73	148	29
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	22	6	0	9	10	12	0
Two Speed Idle (TSI)	Unknown Program	Referee	88	45	25	8	7	31	19	15
Two Speed Idle (TSI)	Unknown Program	Test and Repair	15,392	1,521	247	101	707	468	1,179	207
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,378	64	6	1	42	11	55	6
Two Speed Idle (TSI)	Unknown Program	Test Only	8,250	644	98	41	371	195	482	70