

Executive Summary Report

SMOG CHECK Statewide

Third Quarter 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,421,142	303,943	12.55%
Total	2,786,809	380,030	13.64%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,085,448	86.13%	335,694	13.87%
Total	2,360,226	84.69%	426,583	15.31%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,252,312	85.99%	204,056	14.01%
Total	1,428,580	85.05%	251,051	14.95%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	47,268	1.95%
All Emissions	156,604	6.47%
All Visual	34,497	1.42%
All Functional	196,292	8.11%
OBDII	102,285	4.22%
Overall	303,943	12.55%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	763,192	683,833
Directed Vehicles	693,176	568,479
Total	1,456,368	1,252,312

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	142,626	122,796
Directed Vehicles	51,128	39,021
Total	193,754	161,817

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,292	284	535	45	0	5,156
Test Only	2,197	39	19	1	0	2,256
Basic Area Dealer	0	1	115	0	0	116
Gold Shield	497	32	59	76	0	664
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	31	1	5	0	0	37
Referee	36	0	6	1	0	43
Government Fleet	243	9	37	2	0	291
Unknown Type	1	0	0	0	0	1
Total	7,300	366	776	125	0	8,567

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,942,935	246,570	12.69%	37,795	1.95%
Partially Enhanced	115,472	16,743	14.50%	2,498	2.16%
Basic	218,871	25,975	11.87%	4,408	2.01%
Change of Ownership	15,499	2,348	15.15%	654	4.22%
No Program	7	0	0.00%	0	0.00%
Unknown Program	128,358	12,307	9.59%	1,913	1.49%
Total Program Area	2,421,142	303,943	12.55%	47,268	1.95%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,456,368	200,361	13.76%	33,183	2.28%
Regular	750,609	71,422	9.52%	9,140	1.22%
Basic Area Dealer	12,996	692	5.32%	79	0.61%
Gold Shield in Enhanced Area	164,723	25,943	15.75%	3,723	2.26%
Gold Shield in Basic Area	17,316	2,940	16.98%	586	3.38%
Gold Shield in COO Area	11,715	1,529	13.05%	411	3.51%
Business Fleet	30	2	6.67%	0	0.00%
Permanent Fleet Registered	428	35	8.18%	3	0.70%
Referee	1,010	509	50.40%	109	10.79%
Government Fleet	5,943	510	8.58%	34	0.57%
Unknown Privilege	4	0	0.00%	0	0.00%
Total	2,421,142	303,943	12.55%	47,268	1.95%

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-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%
MY-1969	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1970	2	2	100.00%	100.00%	50.00%	50.00%	50.00%	0.00%
MY-1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	11	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	24	6	25.00%	20.83%	12.50%	20.83%	8.33%	0.00%
MY-1976	3,812	1,103	28.93%	19.54%	9.50%	16.63%	8.32%	0.00%
MY-1977	5,432	1,667	30.69%	18.46%	8.49%	19.97%	8.23%	0.00%
MY-1978	6,013	1,889	31.42%	20.74%	10.41%	19.32%	8.95%	0.00%
MY-1979	6,733	2,233	33.17%	22.50%	10.75%	20.93%	8.78%	0.00%
MY-1980	4,119	1,212	29.42%	21.19%	11.34%	16.95%	8.06%	0.00%
MY-1981	5,049	1,631	32.30%	24.04%	11.73%	17.94%	8.95%	0.00%
MY-1982	5,602	1,707	30.47%	23.92%	11.17%	16.90%	7.94%	0.00%
MY-1983	8,279	2,509	30.31%	23.24%	10.97%	15.97%	7.68%	0.00%
MY-1984	14,305	4,485	31.35%	24.39%	12.54%	16.95%	7.61%	0.00%
MY-1985	20,047	5,954	29.70%	22.57%	10.49%	16.53%	6.30%	0.00%
MY-1986	30,127	8,255	27.40%	20.02%	9.10%	15.69%	5.26%	0.00%
MY-1987	33,420	9,681	28.97%	22.18%	8.86%	15.25%	5.22%	0.00%
MY-1988	41,742	10,771	25.80%	19.27%	7.55%	14.02%	4.08%	0.00%
MY-1989	56,061	13,041	23.26%	16.46%	5.96%	13.10%	3.70%	0.00%
MY-1990	65,275	14,691	22.51%	16.23%	5.62%	11.85%	2.97%	0.00%
MY-1991	77,439	15,906	20.54%	14.78%	4.86%	10.67%	2.37%	0.00%
MY-1992	76,473	14,803	19.36%	13.67%	4.33%	9.75%	2.32%	0.00%
MY-1993	91,305	19,718	21.60%	16.07%	3.84%	10.07%	2.27%	0.00%
MY-1994	117,041	20,870	17.83%	11.93%	2.68%	8.85%	2.05%	0.00%
MY-1995	111,380	18,672	16.76%	11.15%	2.42%	8.16%	1.94%	0.00%
MY-1996	149,309	22,793	15.27%	6.34%	0.96%	10.95%	1.03%	10.33%
MY-1997	126,038	18,784	14.90%	5.64%	0.99%	11.00%	1.08%	10.36%
MY-1998	214,233	21,286	9.94%	3.13%	0.55%	7.55%	0.72%	7.20%
MY-1999	139,101	13,447	9.67%	2.37%	0.47%	7.90%	0.67%	7.62%
MY-2000	349,916	23,871	6.82%	1.22%	0.27%	5.82%	0.46%	5.55%
MY-2001	103,134	8,365	8.11%	1.10%	0.25%	7.23%	0.51%	7.03%
MY-2002	393,469	19,129	4.86%	0.50%	0.13%	4.36%	0.33%	4.18%
MY-2003	49,488	1,997	4.04%	0.56%	0.14%	3.50%	0.25%	3.38%
MY-2004	51,458	1,770	3.44%	0.27%	0.08%	3.14%	0.14%	2.97%
MY-2005	22,548	728	3.23%	0.21%	0.04%	2.98%	0.12%	2.82%
MY-2006	16,959	465	2.74%	0.21%	0.05%	2.46%	0.18%	2.33%
MY-2007	16,114	344	2.13%	0.09%	0.02%	1.98%	0.11%	1.87%
MY-2008	9,198	151	1.64%	0.09%	0.08%	1.50%	0.09%	1.42%
MY-2009	480	5	1.04%	0.00%	0.00%	1.04%	0.00%	1.04%
All Model Years	2,421,142	303,943	12.55%	6.47%	1.95%	8.11%	1.42%	4.22%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	825
Certificate of Non Compliance	2
Parts Cost	88
Hardship Extensions	276
Exempt Vehicle	25
Exempted by Directive	133
Parts Exemption	8
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,357

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,090
Stations Locked-Out at Least Once	1,102
Stations Conducted at Least One Test	7,477

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,731	5,813
EA	Gas Endorsement	11	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	551	0
EU	Gas Endorsement	1	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	1,290,363	49.64	146,709	50.43	1,437,072	49.72
Test and Repair	494,091	47.45	249,355	47.39	743,446	47.43
Test and Repair Dealer	35	55.51	12,961	52.13	12,996	52.14
Referee	502	30.00	163	30.00	665	30.00
Gold Shield in Enhanced Area	132,085	49.30	32,323	46.22	164,408	48.70
Gold Shield in Basic Area	0	0.00	17,316	37.02	17,316	37.02
Gold Shield in COO Area	63	71.08	11,493	52.92	11,556	53.02

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	20,337	22.07	70,573	222.51
	\$51-150	16,989	101.32		
	\$151-250	11,661	199.68		
	\$251-450	12,660	335.95		
	Over \$450	8,926	778.78		
CAP Repairs	\$1-50	340	21.35	6,775	360.21
	\$51-150	637	100.81		
	\$151-250	904	202.55		
	\$251-450	2,246	352.64		
	Over \$450	2,648	526.37		
Total Repairs	\$1-50	18,890	22.20	72,183	251.35
	\$51-150	15,203	101.44		
	\$151-250	11,792	200.30		
	\$251-450	14,359	339.18		
	Over \$450	11,939	749.62		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	6,304	360.21

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	30	8	2	0	1	5	5	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	213	36	4	3	11	19	18	5

	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	202	41	5	3	12	23	22	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	13	4	0	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	25	5	1	0	0	4	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	21	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	44	8	0	0	5	3	7	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	96,567	19,164	2,615	976	6,272	10,004	12,058	2,400
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	218	8	0	102	80	142	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	145	22	1	0	21	1	21	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	304	356	74	122	70	188	191	183
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	352,081	34,658	3,676	1,667	17,299	13,903	25,159	3,311
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	11	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,050,947	177,531	29,314	9,153	51,519	103,067	108,767	20,240
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	8,123	1,809	291	88	558	1,001	1,132	220
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	14	1	0	9	2	12	0
Acceleration Simulation Mode (ASM)	Partial	Referee	10	27	7	12	2	14	15	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	50,116	9,123	1,270	401	2,558	4,939	5,676	955
Acceleration Simulation Mode (ASM)	Partial	Test Only	27,715	4,822	768	257	1,348	2,725	2,832	533
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,854	803	117	58	330	388	527	106
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	189	14	0	54	126	74	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
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	37	29	5	16	5	13	13	20
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	35,023	3,563	463	200	1,627	1,675	2,442	420
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	37,332	4,984	859	320	1,985	2,744	3,179	628
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	12,375	2,671	545	212	716	1,037	1,840	455
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	871	80	15	4	22	33	56	11
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	11,768	2,213	361	140	677	756	1,591	414
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	0	0	4	2	7	0
Two Speed Idle (TSI)	Basic	Referee	41	48	15	16	10	20	26	29
Two Speed Idle (TSI)	Basic	Test and Repair	132,159	17,339	2,788	886	5,437	6,010	12,696	2,015
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,409	587	71	27	202	162	425	86
Two Speed Idle (TSI)	Basic	Test Only	20,726	2,943	602	151	974	1,251	1,942	332
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	110	19	6	1	5	11	12	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	4,943	1,010	307	40	204	555	633	107
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	553	156	42	16	32	77	111	37
Two Speed Idle (TSI)	Change of Ownership	Referee	5	5	0	2	3	2	4	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,866	709	183	48	199	314	498	118
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	107	10	1	0	5	3	8	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,250	429	114	44	99	202	254	72
Two Speed Idle (TSI)	Enhanced	Business-Fleet	3	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	935	99	9	3	64	20	79	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,341	127	13	8	74	27	104	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	12,847	1,479	246	85	683	459	1,107	189
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	55	8	0	30	16	37	2
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	165	13	2	0	2	7	5	1
Two Speed Idle (TSI)	Enhanced	Referee	55	31	1	18	11	3	14	20
Two Speed Idle (TSI)	Enhanced	Test and Repair	61,974	4,002	474	171	2,402	915	3,255	351
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,105	46	3	3	32	6	37	4

	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	100,962	8,758	1,351	348	4,833	2,634	6,501	725
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	111	10	0	0	6	2	7	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	131	11	1	1	3	3	8	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	896	126	16	8	55	34	92	17
Two Speed Idle (TSI)	Partial	Test and Repair	5,853	542	85	35	221	172	396	60
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	126	8	0	0	4	1	7	0
Two Speed Idle (TSI)	Partial	Test Only	2,838	247	59	22	90	98	158	36
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	743	141	26	19	57	51	101	26
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,664	292	75	21	103	127	202	42
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,898	185	33	9	85	61	147	27
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	24	3	0	10	7	18	0
Two Speed Idle (TSI)	Unknown Program	Referee	37	11	7	1	2	7	4	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	16,261	1,446	197	99	757	400	1,140	185
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,127	39	4	1	27	7	33	3
Two Speed Idle (TSI)	Unknown Program	Test Only	9,313	601	110	34	353	182	436	57