

Executive Summary Report

SMOG CHECK Statewide

Third Quarter 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,477,384	297,894	12.02%
Total	2,852,012	381,457	13.38%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,150,628	86.81%	326,756	13.19%
Total	2,428,811	85.16%	423,201	14.84%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,318,873	86.61%	203,869	13.39%
Total	1,498,604	85.68%	250,374	14.32%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	44,256	1.79%
All Emissions	149,103	6.02%
All Visual	34,763	1.40%
All Functional	193,349	7.80%
OBDII	108,577	4.38%
Overall	297,894	12.02%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	816,698	736,342
Directed Vehicles	706,044	582,531
Total	1,522,742	1,318,873

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	157,497	135,718
Directed Vehicles	57,677	44,086
Total	215,174	179,804

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,935	274	534	29	0	4,772
Test Only	2,334	48	24	1	0	2,407
Basic Area Dealer	0	1	114	1	0	116
Gold Shield	501	33	56	77	0	667
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	5	0	0	36
Referee	36	0	6	1	0	43
Government Fleet	246	9	37	2	0	294
Unknown Type	1	0	0	0	0	1
Total	7,086	366	776	111	0	8,339

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,985,535	241,601	12.17%	35,427	1.78%
Partially Enhanced	121,019	17,190	14.20%	2,537	2.10%
Basic	228,233	25,051	10.98%	3,960	1.74%
Change of Ownership	15,579	2,336	14.99%	626	4.02%
No Program	22	4	18.18%	1	4.55%
Unknown Program	126,996	11,712	9.22%	1,705	1.34%
Total Program Area	2,477,384	297,894	12.02%	44,256	1.79%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,522,742	199,754	13.12%	31,425	2.06%
Regular	718,516	62,205	8.66%	7,408	1.03%
Basic Area Dealer	12,509	536	4.28%	61	0.49%
Gold Shield in Enhanced Area	165,561	26,486	16.00%	3,776	2.28%
Gold Shield in Basic Area	35,830	5,335	14.89%	912	2.55%
Gold Shield in COO Area	13,781	1,852	13.44%	476	3.45%
Business Fleet	21	0	0.00%	0	0.00%
Permanent Fleet Registered	271	15	5.54%	3	1.11%
Referee	2,068	1,181	57.11%	150	7.25%
Government Fleet	6,079	530	8.72%	45	0.74%
Unknown Privilege	4	0	0.00%	0	0.00%
Total	2,477,384	297,894	12.02%	44,256	1.79%

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-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1967	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	4	2	50.00%	50.00%	50.00%	25.00%	25.00%	0.00%
MY-1971	2	1	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1972	2	1	50.00%	50.00%	50.00%	50.00%	50.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	4	1	25.00%	25.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	17	4	23.53%	23.53%	5.88%	11.76%	5.88%	0.00%
MY-1976	3,461	1,066	30.80%	20.86%	10.11%	18.29%	8.61%	0.00%
MY-1977	4,984	1,420	28.49%	17.82%	8.55%	18.30%	7.78%	0.00%
MY-1978	5,525	1,615	29.23%	18.55%	8.98%	18.14%	7.84%	0.00%
MY-1979	6,179	1,869	30.25%	19.81%	9.78%	18.97%	8.46%	0.00%
MY-1980	3,733	1,097	29.39%	20.55%	10.98%	16.93%	8.17%	0.00%
MY-1981	4,402	1,287	29.24%	21.90%	10.52%	16.08%	7.56%	0.00%
MY-1982	5,026	1,449	28.83%	21.91%	10.31%	15.28%	7.02%	0.00%
MY-1983	6,948	2,023	29.12%	22.38%	9.87%	16.42%	8.10%	0.00%
MY-1984	12,430	3,696	29.73%	23.14%	11.53%	16.34%	7.17%	0.00%
MY-1985	17,175	4,950	28.82%	22.19%	10.49%	15.63%	6.21%	0.00%
MY-1986	25,432	6,749	26.54%	19.37%	8.79%	14.80%	5.19%	0.00%
MY-1987	28,607	7,911	27.65%	20.83%	8.67%	14.55%	5.11%	0.00%
MY-1988	35,359	9,004	25.46%	18.76%	7.44%	13.69%	4.37%	0.00%
MY-1989	48,681	11,233	23.07%	16.72%	6.17%	12.47%	3.54%	0.00%
MY-1990	57,392	12,805	22.31%	16.45%	5.81%	11.67%	3.08%	0.00%
MY-1991	68,705	14,501	21.11%	15.45%	5.05%	10.82%	2.53%	0.00%
MY-1992	68,569	13,799	20.12%	14.37%	4.68%	9.97%	2.65%	0.00%
MY-1993	86,035	18,863	21.92%	16.55%	4.12%	10.02%	2.50%	0.00%
MY-1994	91,062	17,843	19.59%	13.79%	3.23%	9.40%	2.52%	0.00%
MY-1995	142,613	22,473	15.76%	10.57%	2.31%	7.47%	1.94%	0.00%
MY-1996	95,942	17,552	18.29%	8.06%	1.34%	12.87%	1.42%	12.05%
MY-1997	177,225	24,102	13.60%	5.23%	0.89%	9.86%	1.08%	9.20%
MY-1998	128,965	16,604	12.87%	4.43%	0.81%	9.68%	1.04%	9.23%
MY-1999	229,900	19,698	8.57%	2.10%	0.39%	6.85%	0.72%	6.55%
MY-2000	126,875	12,741	10.04%	2.20%	0.50%	8.39%	0.79%	8.05%
MY-2001	349,823	24,036	6.87%	0.91%	0.19%	6.05%	0.49%	5.84%
MY-2002	93,006	6,344	6.82%	1.01%	0.25%	5.91%	0.53%	5.68%
MY-2003	406,116	16,681	4.11%	0.44%	0.12%	3.64%	0.30%	3.48%
MY-2004	43,119	1,609	3.73%	0.50%	0.11%	3.23%	0.27%	3.07%
MY-2005	45,876	1,481	3.23%	0.30%	0.08%	2.87%	0.18%	2.72%
MY-2006	20,688	602	2.91%	0.32%	0.07%	2.53%	0.21%	2.43%
MY-2007	15,443	411	2.66%	0.18%	0.03%	2.40%	0.18%	2.29%
MY-2008	15,250	261	1.71%	0.22%	0.01%	1.40%	0.12%	1.32%
MY-2009	6,268	105	1.68%	0.43%	0.05%	1.24%	0.29%	1.15%
MY-2010	536	5	0.93%	0.00%	0.00%	0.93%	0.00%	0.93%
All Model Years	2,477,384	297,894	12.02%	6.02%	1.79%	7.80%	1.40%	4.38%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,570
Certificate of Non Compliance	3
Parts Cost	503
Hardship Extensions	370
Exempt Vehicle	74
Exempted by Directive	330
Parts Exemption	34
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	2,884

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,018
Stations Locked-Out at Least Once	858
Stations Conducted at Least One Test	7,321

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,487	5,821
EA	Gas Endorsement	10	0
EB	Both Endorsement	54	0
EB	Gas Endorsement	519	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	1,330,066	48.89	175,511	49.64	1,505,577	48.98
Test and Repair	461,251	47.08	248,882	47.20	710,133	47.12
Test and Repair Dealer	101	75.09	12,408	52.56	12,509	52.74
Referee	749	30.00	298	30.00	1,047	30.00
Gold Shield in Enhanced Area	141,764	48.26	23,472	49.84	165,236	48.49
Gold Shield in Basic Area	1,391	63.38	34,439	38.80	35,830	39.75
Gold Shield in COO Area	803	62.10	12,978	51.66	13,781	52.27

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	20,718	21.97	65,820	214.71
	\$51-150	15,852	100.18		
	\$151-250	9,836	199.73		
	\$251-450	11,290	337.88		
	Over \$450	8,124	776.68		
CAP Repairs	\$1-50	359	24.53	13,155	404.52
	\$51-150	651	106.88		
	\$151-250	1,239	203.97		
	\$251-450	4,301	356.70		
	Over \$450	6,605	523.27		
Total Repairs	\$1-50	17,382	22.10	68,558	283.75
	\$51-150	12,380	99.86		
	\$151-250	9,499	200.88		
	\$251-450	13,977	344.09		
	Over \$450	15,320	725.57		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	12,355	404.52

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	12	2	0	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Basic	Referee	3	3	1	2	2	3	2	2

	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	112	14	1	0	4	9	6	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	69	18	3	1	5	9	10	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in COO Area	3	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	12	4	1	1	2	2	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	945	216	27	7	61	110	116	28
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	618	116	15	7	46	58	77	17
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	102,619	20,636	2,882	1,066	7,403	10,554	13,223	2,459
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	201	10	2	108	75	130	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	486	571	101	230	156	284	292	304
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	329,217	29,198	2,812	1,506	16,106	10,872	21,396	2,988
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,087,721	174,818	27,510	9,431	55,664	98,411	108,378	20,310
Acceleration Simulation Mode (ASM)	No Program	Test Only	12	4	1	1	1	3	4	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	168	55	13	1	16	32	33	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	30	6	0	1	2	3	3	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	9,769	2,493	370	118	814	1,328	1,594	268
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	5	0	0	1	4	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	21	32	10	17	4	17	16	24
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	50,170	8,326	1,162	427	2,572	4,470	5,145	934
Acceleration Simulation Mode (ASM)	Partial	Test Only	30,351	5,248	821	281	1,668	2,964	3,124	553

	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	Gold Shield in COO Area	22	4	0	0	2	1	3	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,555	769	116	67	318	396	516	121
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	237	19	2	54	159	90	4
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	60	27	4	13	8	12	18	15
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	35,199	3,126	354	189	1,509	1,401	2,113	362
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	37,137	4,884	805	326	1,975	2,677	3,111	639
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	26,265	4,642	794	313	1,434	1,643	3,092	855
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	743	93	16	3	38	34	66	9
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,298	666	121	38	265	239	488	92
Two Speed Idle (TSI)	Basic	Government Fleet	0	14	2	1	5	5	8	1
Two Speed Idle (TSI)	Basic	Referee	79	95	18	34	27	33	64	50
Two Speed Idle (TSI)	Basic	Test and Repair	134,188	15,503	2,291	819	5,418	5,108	11,382	1,675
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,209	452	54	14	150	130	331	48
Two Speed Idle (TSI)	Basic	Test Only	24,600	3,511	659	201	1,256	1,348	2,345	449
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	198	74	19	12	20	30	53	19
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,605	1,157	335	79	280	582	700	145
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	389	93	25	3	29	38	65	12
Two Speed Idle (TSI)	Change of Ownership	Government Fleet	0	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Referee	7	20	7	9	5	10	11	13
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,204	524	123	27	188	220	375	58
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	77	4	1	0	3	1	4	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,528	446	114	39	112	227	261	77
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,245	121	17	5	47	36	88	21
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,504	126	18	10	53	41	87	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	14,995	1,558	223	73	798	437	1,194	179
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	48	11	0	20	22	30	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	Permanent Fleet Registered	138	8	3	0	3	5	4	1
Two Speed Idle (TSI)	Enhanced	Referee	130	61	8	36	17	12	29	42
Two Speed Idle (TSI)	Enhanced	Test and Repair	64,604	3,735	414	192	2,324	824	3,031	363
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,083	40	2	0	34	3	39	0
Two Speed Idle (TSI)	Enhanced	Test Only	123,552	9,921	1,374	477	5,717	2,764	7,442	929
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	140	16	4	0	5	6	10	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	139	14	6	3	4	6	6	4
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,041	152	23	12	69	52	110	20
Two Speed Idle (TSI)	Partial	Test and Repair	6,380	532	80	23	249	166	395	43
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	131	6	0	0	5	2	5	0
Two Speed Idle (TSI)	Partial	Test Only	3,206	285	48	20	145	88	209	35
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,246	211	38	20	94	66	158	49
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,087	335	86	29	109	148	233	54
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,161	117	16	13	63	32	90	18
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	23	2	0	10	10	14	0
Two Speed Idle (TSI)	Unknown Program	Referee	41	14	1	7	5	2	7	7
Two Speed Idle (TSI)	Unknown Program	Test and Repair	15,040	1,243	170	85	677	339	995	148
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,065	30	4	2	13	9	22	5
Two Speed Idle (TSI)	Unknown Program	Test Only	9,685	618	90	43	369	176	477	75
UnKnown TestType	Basic	Referee	5	38	0	24	0	38	0	25
UnKnown TestType	Change of Ownership	Referee	0	9	0	4	0	9	0	4
UnKnown TestType	Enhanced	Referee	19	219	0	127	0	219	3	131
UnKnown TestType	Partial	Referee	0	12	0	6	0	12	0	6
UnKnown TestType	Unknown Program	Referee	36	74	0	31	1	73	1	37