

Executive Summary Report

SMOG CHECK Statewide

Fourth Quarter 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,181,764	270,859	12.41%
Total	2,522,404	350,359	13.89%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,876,632	86.01%	305,132	13.99%
Total	2,125,386	84.26%	397,018	15.74%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,166,854	86.10%	188,374	13.90%
Total	1,328,019	85.05%	233,381	14.95%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	38,770	1.78%
All Emissions	136,448	6.25%
All Visual	29,614	1.36%
All Functional	171,497	7.86%
OBDII	101,690	4.66%
Overall	270,859	12.41%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	707,815	633,255
Directed Vehicles	647,413	533,599
Total	1,355,228	1,166,854

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	139,699	117,988
Directed Vehicles	55,941	42,610
Total	195,640	160,598

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,862	270	538	30	0	4,700
Test Only	2,356	45	22	1	0	2,424
Basic Area Dealer	0	1	111	0	0	112
Gold Shield	500	33	53	79	0	665
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	7,034	359	772	113	0	8,278

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,748,078	220,515	12.61%	31,002	1.77%
Partially Enhanced	107,844	15,839	14.69%	2,239	2.08%
Basic	200,058	21,645	10.82%	3,469	1.73%
Change of Ownership	14,035	2,069	14.74%	496	3.53%
No Program	14	2	14.29%	1	7.14%
Unknown Program	111,735	10,789	9.66%	1,563	1.40%
Total Program Area	2,181,764	270,859	12.41%	38,770	1.78%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,355,228	183,159	13.51%	27,438	2.02%
Regular	611,227	54,201	8.87%	6,430	1.05%
Basic Area Dealer	12,042	557	4.63%	55	0.46%
Gold Shield in Enhanced Area	153,374	25,360	16.53%	3,504	2.28%
Gold Shield in Basic Area	29,727	4,515	15.19%	784	2.64%
Gold Shield in COO Area	12,539	1,732	13.81%	400	3.19%
Business Fleet	29	0	0.00%	0	0.00%
Permanent Fleet Registered	161	11	6.83%	0	0.00%
Referee	1,592	856	53.77%	96	6.03%
Government Fleet	5,833	468	8.02%	63	1.08%
Unknown Privilege	12	0	0.00%	0	0.00%
Total	2,181,764	270,859	12.41%	38,770	1.78%

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-1966	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1967	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1969	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	2	1	50.00%	0.00%	0.00%	50.00%	50.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	11	6	54.55%	45.45%	27.27%	18.18%	9.09%	0.00%
MY-1975	12	3	25.00%	16.67%	16.67%	16.67%	0.00%	0.00%
MY-1976	2,665	756	28.37%	19.36%	8.56%	16.40%	8.14%	0.00%
MY-1977	3,914	1,091	27.87%	17.48%	7.89%	16.48%	6.97%	0.00%
MY-1978	4,511	1,266	28.06%	17.96%	8.29%	16.76%	7.67%	0.00%
MY-1979	5,463	1,694	31.01%	20.63%	9.26%	18.16%	8.27%	0.00%
MY-1980	3,190	892	27.96%	19.15%	9.72%	15.64%	6.90%	0.00%
MY-1981	3,604	1,087	30.16%	22.92%	10.63%	14.71%	7.16%	0.00%
MY-1982	4,428	1,324	29.90%	22.65%	10.61%	14.27%	7.68%	0.00%
MY-1983	5,219	1,563	29.95%	23.15%	10.33%	15.25%	7.13%	0.00%
MY-1984	10,422	3,190	30.61%	23.93%	11.27%	15.70%	7.01%	0.00%
MY-1985	13,822	4,030	29.16%	22.70%	10.24%	14.94%	6.30%	0.00%
MY-1986	20,268	5,597	27.61%	20.83%	9.01%	14.28%	5.31%	0.00%
MY-1987	25,479	7,236	28.40%	22.18%	8.53%	13.71%	4.84%	0.00%
MY-1988	28,701	7,609	26.51%	20.07%	7.52%	13.22%	4.34%	0.00%
MY-1989	40,629	9,687	23.84%	17.28%	6.23%	12.30%	3.57%	0.00%
MY-1990	47,665	11,002	23.08%	17.05%	5.85%	11.32%	3.14%	0.00%
MY-1991	59,242	12,982	21.91%	16.18%	5.28%	10.81%	2.66%	0.00%
MY-1992	56,226	11,881	21.13%	15.57%	5.12%	9.73%	2.55%	0.00%
MY-1993	73,313	16,749	22.85%	17.61%	4.43%	9.65%	2.47%	0.00%
MY-1994	83,223	16,579	19.92%	14.23%	3.26%	8.98%	2.33%	0.00%
MY-1995	118,174	20,203	17.10%	11.86%	2.54%	7.63%	1.92%	0.00%
MY-1996	84,265	15,890	18.86%	8.47%	1.36%	13.04%	1.44%	12.24%
MY-1997	144,986	21,667	14.94%	6.18%	0.99%	10.45%	1.06%	9.82%
MY-1998	116,917	15,544	13.29%	4.81%	0.83%	9.66%	1.04%	9.20%
MY-1999	188,332	18,245	9.69%	2.59%	0.47%	7.65%	0.78%	7.33%
MY-2000	141,667	12,911	9.11%	2.07%	0.44%	7.48%	0.67%	7.19%
MY-2001	276,873	21,972	7.94%	1.15%	0.25%	6.96%	0.56%	6.73%
MY-2002	123,280	7,227	5.86%	0.86%	0.21%	5.03%	0.49%	4.84%
MY-2003	303,895	15,465	5.09%	0.59%	0.16%	4.52%	0.36%	4.35%
MY-2004	90,037	2,683	2.98%	0.33%	0.07%	2.59%	0.22%	2.44%
MY-2005	38,859	1,331	3.43%	0.36%	0.09%	3.04%	0.18%	2.86%
MY-2006	25,082	708	2.82%	0.27%	0.06%	2.47%	0.22%	2.34%
MY-2007	14,830	403	2.72%	0.18%	0.03%	2.45%	0.18%	2.34%
MY-2008	14,244	242	1.70%	0.13%	0.01%	1.52%	0.11%	1.40%
MY-2009	7,088	124	1.75%	0.24%	0.06%	1.47%	0.16%	1.38%
MY-2010	1,218	17	1.40%	0.08%	0.08%	1.31%	0.08%	1.15%
All Model Years	2,181,764	270,859	12.41%	6.25%	1.78%	7.86%	1.36%	4.66%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,207
Certificate of Non Compliance	4
Parts Cost	652
Hardship Extensions	0
Exempt Vehicle	51
Exempted by Directive	212
Parts Exemption	28
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	2,154

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,018
Stations Locked-Out at Least Once	1,091
Stations Conducted at Least One Test	7,260

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,327	5,660
EA	Gas Endorsement	10	0
EB	Both Endorsement	52	0
EB	Gas Endorsement	505	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	1,178,116	48.63	163,762	49.27	1,341,878	48.71
Test and Repair	387,026	47.13	218,462	47.15	605,488	47.14
Test and Repair Dealer	86	67.21	11,870	52.36	11,956	52.47
Referee	630	30.00	204	30.00	834	30.00
Gold Shield in Enhanced Area	130,522	48.08	22,557	49.00	153,079	48.21
Gold Shield in Basic Area	1,191	60.65	28,531	39.95	29,722	40.78
Gold Shield in COO Area	1,440	47.72	11,094	53.11	12,534	52.49

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	17,977	22.02	57,891	210.76
	\$51-150	14,632	100.24		
	\$151-250	8,589	200.17		
	\$251-450	9,712	337.23		
	Over \$450	6,981	765.56		
CAP Repairs	\$1-50	370	22.40	13,651	404.07
	\$51-150	623	106.26		
	\$151-250	1,320	206.32		
	\$251-450	4,458	356.32		
	Over \$450	6,880	520.44		
Total Repairs	\$1-50	14,698	22.22	60,955	290.66
	\$51-150	10,949	100.10		
	\$151-250	8,360	201.90		
	\$251-450	12,410	343.70		
	Over \$450	14,538	711.34		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	12,769	404.07

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	14	6	0	1	1	5	3	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	96	22	2	1	5	14	12	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	63	24	5	3	5	18	11	4
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	11	4	0	0	1	3	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	10	3	1	0	1	3	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	800	181	24	7	42	109	79	25
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,065	202	27	4	65	99	125	20
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	92,784	19,704	2,696	944	7,368	9,967	12,628	2,302
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	204	23	4	94	85	119	4
Acceleration Simulation Mode (ASM)	Enhanced	Referee	403	396	69	172	87	219	188	214
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	268,395	25,301	2,428	1,254	13,813	9,533	18,199	2,441
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	955,579	159,966	23,938	7,718	52,796	90,775	95,360	16,915
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	5	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	4	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	152	48	7	4	13	31	28	9
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	107	14	4	1	4	7	7	5
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	8,751	2,289	310	110	829	1,175	1,453	245
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	6	2	0	1	5	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	14	31	4	13	9	16	19	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	43,264	7,628	1,047	394	2,388	4,131	4,571	802
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	38	5	1	0	3	2	4	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	26,664	4,810	723	238	1,502	2,765	2,762	497

	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	38	6	1	0	1	4	4	2
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,129	832	111	64	352	412	541	127
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	154	14	1	47	97	63	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	53	19	2	10	4	5	13	13
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	30,234	2,816	335	156	1,349	1,273	1,856	305
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	32,236	4,569	751	315	1,815	2,540	2,829	619
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	21,350	3,914	698	267	1,298	1,416	2,677	695
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	404	56	10	0	21	21	38	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,166	670	118	30	276	237	489	73
Two Speed Idle (TSI)	Basic	Government Fleet	0	35	10	0	14	15	20	0
Two Speed Idle (TSI)	Basic	Referee	52	49	10	25	9	14	32	35
Two Speed Idle (TSI)	Basic	Test and Repair	116,791	13,103	1,970	698	4,963	4,324	9,671	1,501
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	8,560	452	49	16	160	129	332	58
Two Speed Idle (TSI)	Basic	Test Only	22,552	3,272	597	159	1,232	1,255	2,217	431
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	203	49	9	3	13	22	36	5
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	4,796	998	258	87	244	494	616	143
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	338	87	23	7	23	44	47	20
Two Speed Idle (TSI)	Change of Ownership	Referee	8	11	2	8	6	3	8	9
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	3,992	507	103	37	195	199	367	69
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	111	10	1	0	7	2	9	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,283	390	99	31	118	183	247	64
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,040	105	13	13	54	31	72	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,351	136	29	3	63	49	108	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	14,143	1,525	202	76	876	389	1,202	154
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	54	12	0	23	20	34	1
Two Speed Idle (TSI)	Enhanced	Referee	82	58	7	33	23	11	30	37
Two Speed Idle (TSI)	Enhanced	Test and Repair	55,519	3,231	343	158	2,089	649	2,660	314

	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 and Repair Dealer	1,058	53	1	1	36	5	46	3
Two Speed Idle (TSI)	Enhanced	Test Only	115,873	9,230	1,190	381	5,599	2,391	7,087	802
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	132	9	3	1	4	4	6	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,020	140	26	4	71	48	103	14
Two Speed Idle (TSI)	Partial	Government Fleet	0	2	1	0	0	1	1	0
Two Speed Idle (TSI)	Partial	Referee	4	4	1	3	3	2	3	4
Two Speed Idle (TSI)	Partial	Test and Repair	5,743	515	66	25	260	139	402	59
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	115	5	0	1	3	1	5	1
Two Speed Idle (TSI)	Partial	Test Only	3,032	310	44	18	164	94	223	36
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,043	208	30	17	77	59	146	43
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,624	316	71	34	118	127	229	51
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	990	105	18	8	57	29	80	13
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	13	1	1	7	3	9	2
Two Speed Idle (TSI)	Unknown Program	Referee	19	7	1	5	3	3	6	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	13,080	1,069	135	76	588	275	844	142
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,170	30	3	2	19	5	26	1
Two Speed Idle (TSI)	Unknown Program	Test Only	8,488	583	90	32	362	160	460	66
UnKnown TestType	Basic	Referee	1	38	0	21	0	38	1	21
UnKnown TestType	Basic	Test and Repair	11	2	0	1	1	3	1	1
UnKnown TestType	Basic	Test and Repair Dealer	2	0	0	0	0	1	0	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	1	0	0	0	0	1	0	0
UnKnown TestType	Change of Ownership	Referee	0	10	0	5	0	10	1	7
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	4	1	0	0	0	2	0	1
UnKnown TestType	Enhanced	Referee	13	155	0	81	1	155	3	82
UnKnown TestType	Enhanced	Test and Repair	47	1	0	0	1	3	1	0
UnKnown TestType	Enhanced	Test Only	49	0	0	0	0	4	0	0
UnKnown TestType	Partial	Referee	0	20	0	12	0	20	0	13
UnKnown TestType	Partial	Test and Repair	16	0	0	0	0	1	0	0
UnKnown TestType	Partial	Test Only	4	0	0	0	0	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
UnKnown TestType	Unknown Program	Gold Shield in COO Area	1	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	3	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Referee	31	57	0	21	1	57	2	24
UnKnown TestType	Unknown Program	Test and Repair	21	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Test Only	9	1	0	0	1	1	1	0