

Executive Summary Report

SMOG CHECK Statewide

July 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	940,701	116,936	12.43%
Total	1,081,445	151,143	13.98%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	814,849	86.62%	125,852	13.38%
Total	916,817	84.78%	164,628	15.22%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	503,531	86.04%	81,716	13.96%
Total	570,549	84.90%	101,473	15.10%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,481	1.54%
All Emissions	60,890	6.47%
All Visual	13,007	1.38%
All Functional	73,282	7.79%
OBDII	47,133	5.01%
Overall	116,936	12.43%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	341,586	307,594
Directed Vehicles	243,661	195,937
Total	585,247	503,531

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	58,796	51,263
Directed Vehicles	20,442	15,066
Total	79,238	66,329

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,673	276	537	26	0	4,512
Test Only	2,422	43	22	1	0	2,488
Basic Area Dealer	0	1	106	0	0	107
Gold Shield	480	27	49	78	0	634
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,892	357	761	108	0	8,118

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	756,594	96,400	12.74%	11,669	1.54%
Partially Enhanced	46,983	6,668	14.19%	849	1.81%
Basic	85,190	8,617	10.12%	1,213	1.42%
Change of Ownership	5,273	811	15.38%	177	3.36%
No Program	2	0	0.00%	0	0.00%
Unknown Program	46,659	4,440	9.52%	573	1.23%
Total Program Area	940,701	116,936	12.43%	14,481	1.54%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	585,247	80,425	13.74%	10,580	1.81%
Regular	268,106	23,357	8.71%	2,256	0.84%
Basic Area Dealer	5,317	206	3.87%	21	0.39%
Gold Shield in Enhanced Area	62,325	10,128	16.25%	1,181	1.89%
Gold Shield in Basic Area	11,767	1,636	13.90%	245	2.08%
Gold Shield in COO Area	5,146	703	13.66%	146	2.84%
Business Fleet	13	0	0.00%	0	0.00%
Permanent Fleet Registered	55	3	5.45%	0	0.00%
Referee	440	211	47.95%	32	7.27%
Government Fleet	2,285	267	11.68%	20	0.88%
Total	940,701	116,936	12.43%	14,481	1.54%

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-1973	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
MY-1975	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,192	335	28.10%	20.22%	7.80%	15.02%	6.88%	0.00%
MY-1977	1,533	425	27.72%	19.90%	7.70%	15.13%	7.57%	0.00%
MY-1978	1,755	531	30.26%	21.08%	10.26%	17.95%	8.55%	0.00%
MY-1979	1,927	552	28.65%	21.59%	8.46%	15.83%	7.32%	0.00%
MY-1980	1,183	322	27.22%	21.05%	10.14%	14.88%	7.35%	0.00%
MY-1981	1,350	425	31.48%	25.48%	9.78%	14.59%	8.67%	0.00%
MY-1982	1,534	491	32.01%	24.77%	10.43%	16.82%	8.87%	0.00%
MY-1983	2,300	680	29.57%	23.91%	8.87%	12.96%	6.78%	0.00%
MY-1984	3,828	1,239	32.37%	26.75%	11.00%	16.64%	7.52%	0.00%
MY-1985	5,362	1,712	31.93%	26.37%	9.83%	14.94%	6.19%	0.00%
MY-1986	7,498	2,217	29.57%	23.57%	8.87%	14.16%	5.45%	0.00%
MY-1987	8,696	2,686	30.89%	25.39%	8.98%	14.34%	5.59%	0.00%
MY-1988	10,922	3,081	28.21%	22.83%	7.14%	12.85%	4.51%	0.00%
MY-1989	14,491	3,739	25.80%	20.58%	5.80%	12.54%	3.98%	0.00%
MY-1990	18,403	4,749	25.81%	20.83%	5.83%	11.67%	3.06%	0.00%
MY-1991	21,622	5,428	25.10%	20.45%	5.34%	10.87%	3.07%	0.00%
MY-1992	22,041	5,432	24.64%	19.77%	5.14%	10.25%	3.06%	0.00%
MY-1993	26,937	7,003	26.00%	21.42%	4.36%	10.21%	2.91%	0.00%
MY-1994	35,517	7,664	21.58%	16.92%	3.00%	8.77%	2.46%	0.00%
MY-1995	34,114	7,230	21.19%	16.52%	2.84%	8.42%	2.47%	0.00%
MY-1996	46,858	7,510	16.03%	7.42%	1.21%	10.59%	1.48%	9.82%
MY-1997	41,977	6,899	16.44%	6.84%	1.13%	11.67%	1.34%	10.96%
MY-1998	67,415	7,824	11.61%	4.24%	0.70%	8.34%	1.08%	7.91%
MY-1999	50,836	5,805	11.42%	3.43%	0.63%	8.99%	1.04%	8.62%
MY-2000	109,778	8,960	8.16%	1.74%	0.34%	6.72%	0.66%	6.48%
MY-2001	42,919	5,234	12.20%	1.82%	0.36%	10.93%	0.82%	10.82%
MY-2002	127,024	8,759	6.90%	0.74%	0.15%	6.21%	0.49%	6.12%
MY-2003	33,250	2,525	7.59%	1.31%	0.18%	6.79%	0.63%	6.71%
MY-2004	139,080	5,708	4.10%	0.44%	0.07%	3.66%	0.32%	3.57%
MY-2005	18,002	792	4.40%	1.44%	0.07%	3.83%	0.46%	3.76%
MY-2006	19,267	537	2.79%	0.69%	0.05%	2.33%	0.28%	2.30%
MY-2007	8,818	197	2.23%	0.37%	0.01%	1.96%	0.14%	1.93%
MY-2008	6,397	129	2.02%	0.75%	0.02%	1.74%	0.14%	1.69%
MY-2009	4,593	75	1.63%	0.22%	0.04%	1.39%	0.07%	1.28%
MY-2010	2,073	39	1.88%	0.48%	0.00%	1.45%	0.24%	1.45%
MY-2011	207	1	0.48%	0.00%	0.00%	0.48%	0.00%	0.48%
All Model Years	940,701	116,936	12.43%	6.47%	1.54%	7.79%	1.38%	5.01%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	384
Certificate of Non Compliance	1
Parts Cost	274
Hardship Extensions	0
Exempt Vehicle	34
Exempted by Directive	13
Parts Exemption	11
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	28
	745

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,032
Stations Locked-Out at Least Once	439
Stations Conducted at Least One Test	7,086

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,022	6,045
EA	Gas Endorsement	10	0
EB	Both Endorsement	46	0
EB	Gas Endorsement	477	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	503,977	48.01	67,430	49.02	571,407	48.13
Test and Repair	170,692	46.86	87,245	46.83	257,937	46.85
Test and Repair Dealer	42	67.19	4,815	53.01	4,857	53.13
Referee	183	30.00	60	30.00	243	30.00
Gold Shield in Enhanced Area	52,931	47.62	7,916	49.49	60,847	47.86
Gold Shield in Basic Area	487	64.62	10,896	39.50	11,383	40.57
Gold Shield in COO Area	710	52.37	4,188	54.65	4,898	54.32

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	5,618	23.03	20,582	232.96
	\$51-150	5,202	100.47		
	\$151-250	3,157	199.61		
	\$251-450	3,812	336.71		
	Over \$450	2,793	798.10		
CAP Repairs	\$1-50	97	26.29	5,603	417.50
	\$51-150	217	109.82		
	\$151-250	418	207.80		
	\$251-450	1,809	358.22		
	Over \$450	3,062	515.34		
Total Repairs	\$1-50	4,243	23.48	21,788	327.43
	\$51-150	3,734	100.33		
	\$151-250	2,879	201.47		
	\$251-450	4,831	344.09		
	Over \$450	6,101	724.06		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	5,251	417.50

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 Basic Area	8	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	37	4	2	1	0	3	2	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)	Basic	Test Only	34	8	0	0	4	5	5	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	3	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	327	61	4	4	28	26	39	9
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	492	101	13	6	36	55	52	13
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	38,821	8,176	934	395	3,114	4,376	5,038	1,010
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	100	7	1	57	31	69	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	127	119	16	49	31	61	60	71
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	122,367	11,108	826	520	6,674	3,892	8,170	1,038
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	407,996	70,145	9,183	3,230	24,322	41,148	41,037	7,369
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	71	16	3	0	6	9	9	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	68	7	2	1	3	3	5	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,066	694	82	49	273	366	438	95
Acceleration Simulation Mode (ASM)	Partial	Referee	4	11	3	4	2	5	6	8
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	19,048	3,309	385	151	1,145	1,894	1,928	358
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	24	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,674	2,161	312	117	754	1,248	1,260	241
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	1	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	28	4	0	0	1	4	3	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,621	286	37	25	118	150	174	46
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	137	11	0	39	92	51	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	14	12	2	6	4	6	10	7
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,271	1,111	104	75	576	454	769	141
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,825	1,904	283	119	859	993	1,231	233
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,382	1,365	215	103	513	434	935	258
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	156	16	2	2	9	3	12	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,096	222	36	9	103	74	163	29
Two Speed Idle (TSI)	Basic	Referee	9	22	4	10	7	6	15	12
Two Speed Idle (TSI)	Basic	Test and Repair	48,910	5,283	715	290	2,311	1,665	3,884	700
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,537	151	20	2	76	47	110	17
Two Speed Idle (TSI)	Basic	Test Only	9,798	1,328	219	86	586	458	927	201
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	64	18	1	2	9	6	14	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,843	405	97	22	135	187	268	48
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	102	21	6	3	6	10	11	6
Two Speed Idle (TSI)	Change of Ownership	Referee	2	4	2	2	0	3	2	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,309	220	37	19	81	74	171	38
Two Speed Idle (TSI)	Change of Ownership	Test Only	870	132	34	13	40	59	85	26
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	455	55	5	6	30	11	40	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	506	46	5	4	25	12	36	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,129	544	74	25	301	142	426	59
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	15	1	0	11	3	12	0
Two Speed Idle (TSI)	Enhanced	Referee	26	16	3	5	7	4	8	8
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,213	1,304	106	55	912	237	1,087	98
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	413	15	0	2	11	1	12	2
Two Speed Idle (TSI)	Enhanced	Test Only	47,292	3,924	492	162	2,421	1,051	2,931	365
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	32	6	3	0	1	3	3	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	50	5	1	1	3	1	5	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	327	44	3	3	29	7	38	6
Two Speed Idle (TSI)	Partial	Government Fleet	0	1	1	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
Two Speed Idle (TSI)	Partial	Test and Repair	2,264	186	32	10	84	66	124	28
Two Speed Idle (TSI)	Partial	Test Only	1,244	118	22	7	62	34	88	14
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	381	76	14	15	28	22	54	22
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,000	105	26	10	39	49	73	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	407	44	9	1	25	14	33	3
Two Speed Idle (TSI)	Unknown Program	Referee	7	3	2	1	0	2	3	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,167	417	49	28	244	109	334	55
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	502	13	1	0	9	4	10	0
Two Speed Idle (TSI)	Unknown Program	Test Only	3,493	259	35	19	160	68	198	31
UnKnown TestType	Basic	Gold Shield in Basic Area	299	35	0	5	22	35	22	14
UnKnown TestType	Basic	Gold Shield in COO Area	20	2	0	1	2	2	2	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	100	7	0	2	5	7	5	3
UnKnown TestType	Basic	Referee	6	2	0	2	0	2	0	2
UnKnown TestType	Basic	Test and Repair	2,032	126	0	21	94	131	94	36
UnKnown TestType	Basic	Test and Repair Dealer	329	22	0	2	19	42	19	3
UnKnown TestType	Basic	Test Only	364	21	0	2	16	21	16	6
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	66	8	0	2	5	9	5	3
UnKnown TestType	Change of Ownership	Test and Repair	48	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	20	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	49	2	0	0	2	2	2	0
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	968	76	0	13	55	79	55	25
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	17	0	0
UnKnown TestType	Enhanced	Referee	15	9	0	5	1	8	1	7
UnKnown TestType	Enhanced	Test and Repair	3,503	200	0	18	160	241	160	43
UnKnown TestType	Enhanced	Test and Repair Dealer	29	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Test Only	6,042	379	0	60	297	399	297	96
UnKnown TestType	Partial	Gold Shield in COO Area	10	1	0	1	0	2	0	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	146	10	0	0	9	10	9	1
UnKnown TestType	Partial	Test and Repair	1,079	64	0	10	48	68	48	18

	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	Partial	Test Only	455	26	0	7	19	26	19	7
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	17	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	87	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	88	3	0	1	2	3	2	1
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	15	0	0
UnKnown TestType	Unknown Program	Referee	18	12	0	6	0	12	0	7
UnKnown TestType	Unknown Program	Test and Repair	451	23	0	3	16	38	16	9
UnKnown TestType	Unknown Program	Test and Repair Dealer	41	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Test Only	417	19	0	1	15	23	15	4