

Executive Summary Report

SMOG CHECK Statewide

July 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,075,049	115,718	10.76%
Total	1,201,431	144,246	12.01%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	951,339	88.49%	123,710	11.51%
Total	1,045,276	87.00%	156,155	13.00%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	601,323	87.73%	84,090	12.27%
Total	666,502	86.68%	102,434	13.32%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,914	1.20%
All Emissions	58,809	5.47%
All Visual	13,106	1.22%
All Functional	70,798	6.59%
OBDII	47,357	4.41%
Overall	115,718	10.76%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	409,056	377,853
Directed Vehicles	276,357	223,470
Total	685,413	601,323

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	65,236	58,482
Directed Vehicles	23,002	17,362
Total	88,238	75,844

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,558	282	536	32	0	4,408
Test Only	2,560	47	26	1	0	2,634
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	478	28	45	76	0	627
Business Fleet	2	0	0	0	0	2
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	6,912	368	758	112	0	8,150

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	877,203	96,655	11.02%	10,566	1.20%
Partially Enhanced	52,772	6,455	12.23%	705	1.34%
Basic	94,718	7,861	8.30%	999	1.05%
Change of Ownership	5,417	654	12.07%	135	2.49%
No Program	6	3	50.00%	1	16.67%
Unknown Program	44,933	4,090	9.10%	508	1.13%
Total Program Area	1,075,049	115,718	10.76%	12,914	1.20%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	685,413	82,842	12.09%	9,458	1.38%
Regular	292,758	20,368	6.96%	1,990	0.68%
Basic Area Dealer	6,214	187	3.01%	7	0.11%
Gold Shield in Enhanced Area	69,957	9,807	14.02%	1,079	1.54%
Gold Shield in Basic Area	12,451	1,415	11.36%	209	1.68%
Gold Shield in COO Area	5,830	694	11.90%	123	2.11%
Permanent Fleet Registered	37	3	8.11%	0	0.00%
Referee	401	208	51.87%	26	6.48%
Government Fleet	1,987	193	9.71%	21	1.06%
Unknown Privilege	1	1	100.00%	1	100.00%
Total	1,075,049	115,718	10.76%	12,914	1.20%

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-1958	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	3	3	100.00%	66.67%	66.67%	66.67%	100.00%	0.00%
MY-1976	1,064	304	28.57%	19.92%	7.33%	14.38%	7.71%	0.00%
MY-1977	1,501	387	25.78%	17.39%	7.20%	13.66%	7.06%	0.00%
MY-1978	1,652	443	26.82%	18.46%	7.81%	13.68%	7.57%	0.00%
MY-1979	1,731	515	29.75%	22.18%	8.95%	14.79%	7.91%	0.00%
MY-1980	1,097	292	26.62%	19.69%	10.39%	13.49%	7.20%	0.00%
MY-1981	1,279	418	32.68%	27.05%	10.24%	14.86%	9.23%	0.00%
MY-1982	1,404	419	29.84%	24.00%	8.76%	14.46%	7.12%	0.00%
MY-1983	2,134	643	30.13%	24.70%	8.76%	13.31%	7.03%	0.00%
MY-1984	3,433	1,069	31.14%	25.95%	10.05%	13.28%	6.87%	0.00%
MY-1985	4,957	1,508	30.42%	25.14%	9.40%	13.58%	5.47%	0.00%
MY-1986	6,678	1,885	28.23%	22.06%	7.52%	13.19%	5.71%	0.00%
MY-1987	7,717	2,345	30.39%	24.82%	8.63%	13.58%	5.36%	0.00%
MY-1988	9,748	2,686	27.55%	22.19%	6.60%	12.27%	4.10%	0.00%
MY-1989	13,224	3,381	25.57%	19.89%	5.46%	11.90%	3.87%	0.00%
MY-1990	16,762	4,249	25.35%	20.56%	5.15%	10.73%	3.18%	0.00%
MY-1991	20,129	5,045	25.06%	20.03%	4.89%	10.56%	2.85%	0.00%
MY-1992	20,843	4,979	23.89%	19.10%	4.64%	9.68%	2.94%	0.00%
MY-1993	25,917	6,662	25.71%	21.11%	3.97%	9.41%	2.85%	0.00%
MY-1994	27,709	6,604	23.83%	18.82%	3.34%	9.12%	2.91%	0.00%
MY-1995	44,797	8,672	19.36%	14.82%	2.26%	7.10%	2.28%	0.00%
MY-1996	30,694	5,579	18.18%	9.36%	1.37%	11.19%	1.71%	10.23%
MY-1997	61,678	8,344	13.53%	6.16%	0.91%	8.64%	1.21%	7.89%
MY-1998	46,400	6,133	13.22%	5.51%	0.84%	8.93%	1.34%	8.34%
MY-1999	86,435	7,479	8.65%	2.76%	0.43%	6.34%	0.94%	5.96%
MY-2000	48,097	4,948	10.29%	2.91%	0.59%	7.99%	0.98%	7.74%
MY-2001	125,470	10,671	8.50%	1.09%	0.21%	7.61%	0.60%	7.50%
MY-2002	40,951	3,683	8.99%	1.57%	0.31%	7.81%	0.79%	7.74%
MY-2003	150,058	7,668	5.11%	0.60%	0.12%	4.54%	0.40%	4.47%
MY-2004	32,459	1,768	5.45%	0.82%	0.11%	4.75%	0.47%	4.68%
MY-2005	184,458	5,738	3.11%	0.32%	0.05%	2.67%	0.30%	2.63%
MY-2006	18,173	570	3.14%	0.91%	0.09%	2.54%	0.35%	2.51%
MY-2007	17,250	368	2.13%	0.50%	0.04%	1.70%	0.24%	1.65%
MY-2008	7,964	117	1.47%	0.59%	0.04%	1.19%	0.16%	1.18%
MY-2009	4,236	46	1.09%	0.59%	0.00%	0.87%	0.12%	0.85%
MY-2010	4,819	69	1.43%	0.27%	0.04%	1.12%	0.15%	1.10%
MY-2011	2,076	28	1.35%	0.14%	0.00%	1.25%	0.10%	1.16%
MY-2012	51	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	1,075,049	115,718	10.76%	5.47%	1.20%	6.59%	1.22%	4.41%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	352
Certificate of Non Compliance	0
Parts Cost	91
Hardship Extensions	0
Exempt Vehicle	33
Exempted by Directive	4
Parts Exemption	10
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	490

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,043
Stations Locked-Out at Least Once	405
Stations Conducted at Least One Test	7,107

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,120	5,457
EA	Gas Endorsement	9	0
EB	Both Endorsement	45	0
EB	Gas Endorsement	464	0
EU	Both 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	582,148	47.75	84,895	48.93	667,043	47.90
Test and Repair	184,872	46.04	97,649	46.15	282,521	46.08
Test and Repair Dealer	34	57.85	5,710	52.24	5,744	52.27
Referee	171	30.00	56	30.00	227	30.00
Gold Shield in Enhanced Area	58,919	46.39	9,381	47.98	68,300	46.60
Gold Shield in Basic Area	516	61.70	11,543	39.54	12,059	40.49
Gold Shield in COO Area	1,643	53.70	3,867	54.88	5,510	54.53

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	4,481	22.90	16,435	271.48
	\$51-150	3,247	101.43		
	\$151-250	2,468	200.89		
	\$251-450	3,234	339.44		
	Over \$450	3,005	810.71		
CAP Repairs	\$1-50	73	23.73	2,513	450.46
	\$51-150	122	105.69		
	\$151-250	207	202.67		
	\$251-450	723	357.70		
	Over \$450	1,388	588.49		
Total Repairs	\$1-50	3,635	23.32	17,279	323.73
	\$51-150	3,106	101.93		
	\$151-250	2,487	201.28		
	\$251-450	3,736	343.22		
	Over \$450	4,315	790.15		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,344	450.46

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	8	4	2	1	0	2	0	2
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	0	1	0	1	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 and Repair	86	15	2	0	7	7	8	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	92	13	1	0	4	9	6	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	20	4	1	0	1	3	2	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	355	69	6	7	26	30	37	12
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,290	235	22	13	93	114	146	22
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	44,758	7,843	840	417	3,226	4,023	4,762	1,021
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	62	4	0	35	20	45	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	96	124	12	57	32	57	67	72
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	137,748	9,121	750	474	5,231	3,287	6,590	941
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	484,718	72,553	8,265	3,484	26,216	41,010	41,538	7,650
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	1	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	65	23	4	0	11	13	13	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	58	14	0	1	5	6	8	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,717	751	88	42	306	372	465	87
Acceleration Simulation Mode (ASM)	Partial	Referee	4	11	4	3	0	7	4	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	21,804	3,095	317	151	1,071	1,755	1,744	317
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,466	2,098	236	152	735	1,180	1,135	277
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,467	244	30	28	113	117	152	47

	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	103	16	2	21	76	30	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	13	17	5	6	3	7	9	9
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	10,967	1,000	98	70	522	440	665	117
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,261	1,863	260	145	837	967	1,162	268
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	0	1	1	0	0	1	1	1
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	9,122	1,129	174	74	447	386	774	191
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	158	14	2	0	7	6	8	0
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,463	244	42	16	109	79	182	35
Two Speed Idle (TSI)	Basic	Referee	14	18	1	8	2	4	11	10
Two Speed Idle (TSI)	Basic	Test and Repair	55,677	4,937	597	286	2,201	1,467	3,599	640
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,439	142	7	6	82	24	108	18
Two Speed Idle (TSI)	Basic	Test Only	11,284	1,183	171	75	511	408	818	165
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	59	16	0	2	9	2	11	5
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,771	286	71	20	97	127	183	40
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	99	19	3	1	6	8	13	4
Two Speed Idle (TSI)	Change of Ownership	Referee	1	4	1	2	1	2	3	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,635	189	36	16	76	66	137	29
Two Speed Idle (TSI)	Change of Ownership	Test Only	917	127	22	10	51	48	91	21
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	638	78	18	12	39	25	56	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	645	41	7	6	19	15	27	9
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	6,207	539	57	34	336	107	423	79
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	13	1	0	8	4	9	0
Two Speed Idle (TSI)	Enhanced	Referee	14	16	2	2	9	5	12	5
Two Speed Idle (TSI)	Enhanced	Test and Repair	24,971	1,172	120	47	798	234	943	117
Two Speed Idle (TSI)	Enhanced	Test Only	63,440	4,231	462	184	2,785	945	3,279	401
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	44	6	0	1	1	2	1	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	58	4	2	0	1	2	2	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	Gold Shield in Enhanced Area	392	50	12	4	23	18	31	7
Two Speed Idle (TSI)	Partial	Test and Repair	2,821	193	27	10	103	48	147	27
Two Speed Idle (TSI)	Partial	Test Only	1,573	116	15	4	66	35	80	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	353	59	7	6	17	18	40	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	850	90	19	8	28	45	55	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	379	36	5	2	28	6	32	3
Two Speed Idle (TSI)	Unknown Program	Referee	4	4	0	4	1	1	1	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,049	365	42	29	218	77	296	41
Two Speed Idle (TSI)	Unknown Program	Test Only	4,024	248	25	27	152	59	192	47
Unknown TestType	Basic	Gold Shield in Basic Area	310	32	0	7	18	33	18	15
Unknown TestType	Basic	Gold Shield in COO Area	13	1	0	0	1	1	1	0
Unknown TestType	Basic	Gold Shield in Enhanced Area	100	2	0	1	2	2	2	1
Unknown TestType	Basic	Government Fleet	0	0	0	0	0	4	0	0
Unknown TestType	Basic	Referee	1	1	0	0	1	1	1	0
Unknown TestType	Basic	Test and Repair	2,177	83	0	9	67	90	67	19
Unknown TestType	Basic	Test and Repair Dealer	374	11	0	2	8	12	8	3
Unknown TestType	Basic	Test Only	355	25	0	5	19	25	19	8
Unknown TestType	Change of Ownership	Gold Shield in COO Area	57	1	0	0	1	2	1	0
Unknown TestType	Change of Ownership	Test and Repair	75	3	0	0	3	3	3	0
Unknown TestType	Change of Ownership	Test and Repair Dealer	7	1	0	0	0	1	0	1
Unknown TestType	Change of Ownership	Test Only	27	1	0	1	0	1	0	1
Unknown TestType	Enhanced	Gold Shield in Basic Area	19	3	0	0	3	3	3	0
Unknown TestType	Enhanced	Gold Shield in COO Area	66	4	0	0	4	5	4	0
Unknown TestType	Enhanced	Gold Shield in Enhanced Area	968	64	0	14	45	81	45	22
Unknown TestType	Enhanced	Government Fleet	0	1	0	0	1	25	1	0
Unknown TestType	Enhanced	Referee	19	5	0	2	2	4	2	2
Unknown TestType	Enhanced	Test and Repair	3,516	130	0	20	99	164	99	34
Unknown TestType	Enhanced	Test and Repair Dealer	34	1	0	0	1	1	1	1
Unknown TestType	Enhanced	Test Only	6,287	333	0	51	239	354	239	106

	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	Gold Shield in Enhanced Area	162	11	0	2	7	12	7	5
UnKnown TestType	Partial	Referee	1	2	0	2	0	2	0	2
UnKnown TestType	Partial	Test and Repair	996	44	0	7	28	47	28	18
UnKnown TestType	Partial	Test and Repair Dealer	15	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	465	32	0	11	17	32	17	17
UnKnown TestType	Unknown Program	Gold Shield in COO Area	68	3	0	1	1	3	1	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	47	0	0	0	0	2	0	0
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	1	52	1	0
UnKnown TestType	Unknown Program	Referee	19	3	0	3	0	3	0	3
UnKnown TestType	Unknown Program	Test and Repair	447	19	0	3	15	37	15	5
UnKnown TestType	Unknown Program	Test and Repair Dealer	24	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Test Only	393	13	0	4	9	25	9	6