

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,981,701	361,169	12.11%
Total	3,415,350	462,897	13.55%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,587,499	86.78%	394,202	13.22%
Total	2,907,118	85.12%	508,232	14.88%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,629,809	86.00%	265,235	14.00%
Total	1,856,427	84.72%	334,938	15.28%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	38,016	1.27%
All Emissions	173,198	5.81%
All Visual	49,154	1.65%
All Functional	227,457	7.63%
OBDII	156,473	5.25%
Overall	361,169	12.11%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	1,136,501	1,030,944
Directed Vehicles	758,543	598,865
Total	1,895,044	1,629,809

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	179,686	158,286
Directed Vehicles	62,539	46,789
Total	242,225	205,075

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,549	291	545	30	0	4,415
Test Only	2,706	50	26	1	0	2,783
Basic Area Dealer	0	1	103	0	0	104
Gold Shield	476	27	44	76	0	623
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	248	9	37	2	0	296
Unknown Type	1	0	0	0	0	1
Total	7,049	379	765	110	0	8,303

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,387,263	298,446	12.50%	30,609	1.28%
Partially Enhanced	154,656	21,053	13.61%	2,145	1.39%
Basic	264,370	25,197	9.53%	3,127	1.18%
Change of Ownership	18,849	2,582	13.70%	497	2.64%
No Program	18	4	22.22%	0	0.00%
Unknown Program	156,545	13,887	8.87%	1,638	1.05%
Total Program Area	2,981,701	361,169	12.11%	38,016	1.27%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,895,044	260,308	13.74%	28,122	1.48%
Regular	816,327	63,380	7.76%	5,743	0.70%
Basic Area Dealer	13,845	508	3.67%	49	0.35%
Gold Shield in Enhanced Area	185,812	28,388	15.28%	2,908	1.57%
Gold Shield in Basic Area	33,585	4,258	12.68%	560	1.67%
Gold Shield in COO Area	22,828	2,629	11.52%	425	1.86%
Business Fleet	15	2	13.33%	1	6.67%
Permanent Fleet Registered	84	4	4.76%	0	0.00%
Referee	1,329	609	45.82%	98	7.37%
Government Fleet	12,830	1,082	8.43%	110	0.86%
Unknown Privilege	2	1	50.00%	0	0.00%
Total	2,981,701	361,169	12.11%	38,016	1.27%

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-1952	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	2,723	739	27.14%	18.73%	7.12%	14.62%	8.30%	0.00%
MY-1977	3,639	1,074	29.51%	19.70%	7.80%	16.98%	9.34%	0.00%
MY-1978	4,267	1,265	29.65%	19.90%	8.09%	16.69%	9.14%	0.00%
MY-1979	4,701	1,354	28.80%	20.25%	7.68%	16.02%	8.79%	0.00%
MY-1980	2,856	808	28.29%	20.17%	9.38%	15.09%	8.47%	0.00%
MY-1981	3,191	1,050	32.91%	26.61%	9.81%	15.64%	9.37%	0.00%
MY-1982	3,627	1,118	30.82%	23.96%	9.24%	15.05%	8.33%	0.00%
MY-1983	4,782	1,559	32.60%	25.55%	9.20%	15.18%	8.53%	0.00%
MY-1984	8,816	2,977	33.77%	27.10%	10.32%	15.47%	7.78%	0.00%
MY-1985	11,945	3,957	33.13%	26.30%	9.47%	16.02%	7.56%	0.00%
MY-1986	16,461	5,180	31.47%	24.11%	8.85%	15.45%	7.10%	0.00%
MY-1987	19,417	6,106	31.45%	24.78%	7.75%	14.67%	5.98%	0.00%
MY-1988	23,842	7,345	30.81%	23.96%	7.16%	14.17%	5.76%	0.00%
MY-1989	33,282	9,668	29.05%	22.09%	6.10%	13.55%	5.30%	0.00%
MY-1990	42,224	12,041	28.52%	22.07%	5.69%	12.95%	4.43%	0.00%
MY-1991	49,869	13,641	27.35%	21.16%	5.37%	12.29%	4.24%	0.00%
MY-1992	52,741	14,581	27.65%	21.53%	5.37%	11.66%	4.06%	0.00%
MY-1993	64,526	18,811	29.15%	23.48%	4.55%	11.25%	3.95%	0.00%
MY-1994	83,733	21,740	25.96%	20.10%	3.47%	10.29%	3.73%	0.00%
MY-1995	90,965	23,174	25.48%	19.53%	3.38%	9.89%	3.53%	0.00%
MY-1996	115,839	21,871	18.88%	9.61%	1.34%	11.28%	2.34%	10.08%
MY-1997	118,908	22,586	18.99%	8.96%	1.51%	12.22%	2.18%	11.09%
MY-1998	169,639	23,461	13.83%	5.55%	0.92%	9.30%	1.70%	8.54%
MY-1999	155,912	20,569	13.19%	4.33%	0.72%	9.62%	1.74%	9.04%
MY-2000	277,234	26,699	9.63%	2.43%	0.47%	7.41%	1.19%	7.11%
MY-2001	159,441	21,846	13.70%	2.14%	0.39%	12.05%	1.27%	11.87%
MY-2002	300,484	24,494	8.15%	1.14%	0.22%	7.05%	0.88%	6.93%
MY-2003	146,115	13,505	9.24%	1.45%	0.30%	8.00%	1.02%	7.90%
MY-2004	341,356	16,125	4.72%	0.56%	0.12%	4.08%	0.51%	4.01%
MY-2005	131,415	7,423	5.65%	0.73%	0.11%	4.89%	0.64%	4.83%
MY-2006	368,207	11,315	3.07%	0.32%	0.06%	2.62%	0.34%	2.57%
MY-2007	54,464	1,224	2.25%	0.42%	0.04%	1.88%	0.25%	1.84%
MY-2008	56,825	1,108	1.95%	0.39%	0.05%	1.67%	0.13%	1.65%
MY-2009	15,840	256	1.62%	0.50%	0.02%	1.34%	0.15%	1.31%
MY-2010	21,620	251	1.16%	0.20%	0.02%	1.02%	0.06%	0.97%
MY-2011	16,913	190	1.12%	0.22%	0.01%	0.93%	0.08%	0.86%
MY-2012	3,872	57	1.47%	0.34%	0.03%	1.21%	0.23%	1.19%
MY-2013	6	1	16.67%	0.00%	0.00%	16.67%	0.00%	16.67%
All Model Years	2,981,701	361,169	12.11%	5.81%	1.27%	7.63%	1.65%	5.25%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,341
Certificate of Non Compliance	1
Parts Cost	570
Hardship Extensions	0
Exempt Vehicle	103
Exempted by Directive	9
Parts Exemption	38
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	2,062

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,003
Stations Locked-Out at Least Once	1,498
Stations Conducted at Least One Test	7,300

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,682	5,829
EA	Gas Endorsement	10	0
EB	Both Endorsement	43	0
EB	Gas Endorsement	466	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	1,604,329	47.10	241,237	48.05	1,845,566	47.22
Test and Repair	507,622	47.46	279,022	46.63	786,644	47.17
Test and Repair Dealer	98	63.47	12,686	53.40	12,784	53.48
Referee	554	30.00	207	30.00	761	30.00
Gold Shield in Enhanced Area	155,600	46.31	25,770	47.95	181,370	46.55
Gold Shield in Basic Area	1,572	59.45	30,956	37.58	32,528	38.64
Gold Shield in COO Area	5,156	53.60	16,786	49.06	21,942	50.12

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	13,615	23.15	53,400	277.64
	\$51-150	10,752	100.51		
	\$151-250	8,191	201.02		
	\$251-450	11,057	340.44		
	Over \$450	9,785	819.53		
CAP Repairs	\$1-50	206	22.75	6,944	422.35
	\$51-150	429	107.21		
	\$151-250	578	206.81		
	\$251-450	1,890	361.40		
	Over \$450	3,841	541.40		
Total Repairs	\$1-50	11,278	23.47	55,250	321.42
	\$51-150	10,166	101.09		
	\$151-250	8,159	201.42		
	\$251-450	12,178	342.72		
	Over \$450	13,469	790.65		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	6,510	422.35

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	39	9	1	1	4	5	4	2
Acceleration Simulation Mode (ASM)	Basic	Referee	3	2	2	0	0	2	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	209	23	1	0	5	14	11	2
Acceleration Simulation Mode (ASM)	Basic	Test Only	189	36	2	1	14	20	20	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	25	3	1	0	2	1	3	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	24	8	0	1	2	5	4	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	1,046	209	23	21	69	117	101	43
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	3,654	632	58	36	282	296	389	97
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	115,216	22,484	2,254	1,438	9,697	10,762	14,101	3,293
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	261	15	1	176	69	194	8
Acceleration Simulation Mode (ASM)	Enhanced	Referee	337	376	62	153	83	186	199	205
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	358,443	27,825	2,023	1,894	15,964	9,688	19,906	3,450
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,295,568	224,895	24,188	14,334	87,567	119,709	133,738	29,699
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	6	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	No Program	Test Only	5	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	225	68	4	2	30	40	38	4
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	542	109	9	6	55	52	68	8
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	9,280	2,087	218	139	916	1,008	1,328	264
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	3	0	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	19	26	5	14	5	10	13	16
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	61,219	9,876	958	578	3,880	5,041	5,828	1,195
Acceleration Simulation Mode (ASM)	Partial	Test Only	41,022	7,298	785	501	2,748	3,822	4,218	1,033

	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 Basic Area	4	3	1	0	0	3	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	150	30	3	3	12	18	15	4
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,670	835	86	78	406	374	566	149
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	702	85	3	118	541	185	13
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	40	50	7	18	14	26	32	26
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	40,653	3,108	305	242	1,562	1,382	2,018	444
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	45,355	6,338	815	524	2,874	3,211	4,012	967
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	0	1	0	0	0	1	1	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	23,341	3,458	469	297	1,486	1,056	2,419	661
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	676	88	19	6	43	34	61	12
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	4,061	691	107	69	341	208	515	131
Two Speed Idle (TSI)	Basic	Government Fleet	0	21	1	0	18	3	18	0
Two Speed Idle (TSI)	Basic	Referee	59	57	9	25	15	17	37	35
Two Speed Idle (TSI)	Basic	Test and Repair	154,279	15,340	1,808	964	7,234	4,297	11,353	2,199
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,125	397	48	20	207	95	302	51
Two Speed Idle (TSI)	Basic	Test Only	33,695	4,552	660	352	2,086	1,452	3,261	780
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	185	51	8	5	18	19	38	14
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	6,114	1,055	227	77	373	473	681	137
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	334	64	12	6	21	22	51	15
Two Speed Idle (TSI)	Change of Ownership	Referee	5	7	2	4	0	3	7	6
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,378	762	121	76	360	257	578	136
Two Speed Idle (TSI)	Change of Ownership	Test Only	3,316	584	126	48	198	241	395	122
Two Speed Idle (TSI)	Enhanced	Business-Fleet	2	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,984	205	29	19	96	64	142	33
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	3,639	270	47	16	150	96	184	32
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	16,476	1,712	193	107	1,129	371	1,373	223

	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	Government Fleet	0	67	9	0	42	20	47	0
Two Speed Idle (TSI)	Enhanced	Referee	62	44	5	18	23	9	29	20
Two Speed Idle (TSI)	Enhanced	Test and Repair	71,134	3,612	309	238	2,536	649	2,940	399
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,283	36	0	2	30	1	33	4
Two Speed Idle (TSI)	Enhanced	Test Only	170,150	14,018	1,393	830	9,289	2,948	11,013	1,643
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	164	16	1	1	11	2	14	5
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	254	26	3	0	15	9	19	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,055	144	24	9	82	43	107	17
Two Speed Idle (TSI)	Partial	Government Fleet	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Test and Repair	7,965	649	82	40	375	159	484	97
Two Speed Idle (TSI)	Partial	Test Only	4,658	468	56	21	293	109	355	63
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,134	170	25	20	72	51	123	48
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	4,097	368	59	37	188	129	266	67
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,160	109	13	5	68	23	88	8
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	20	0	0	18	1	19	0
Two Speed Idle (TSI)	Unknown Program	Referee	29	13	6	3	2	9	8	8
Two Speed Idle (TSI)	Unknown Program	Test and Repair	16,732	1,167	135	91	680	288	910	168
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,348	30	1	2	23	2	26	3
Two Speed Idle (TSI)	Unknown Program	Test Only	12,297	814	97	72	508	208	602	112
UnKnown TestType	Basic	Gold Shield in Basic Area	807	68	0	9	51	69	51	19
UnKnown TestType	Basic	Gold Shield in COO Area	66	3	0	0	2	3	2	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	229	20	0	1	17	20	17	4
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	17	0	0
UnKnown TestType	Basic	Referee	12	6	0	5	1	5	1	5
UnKnown TestType	Basic	Test and Repair	6,865	334	0	43	244	379	244	100
UnKnown TestType	Basic	Test and Repair Dealer	849	26	0	7	15	31	15	12
UnKnown TestType	Basic	Test Only	1,087	66	0	14	42	66	42	27
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	10	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	260	17	0	4	12	17	12	6

	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	Change of Ownership	Gold Shield in Enhanced Area	13	2	0	0	1	2	1	1
UnKnown TestType	Change of Ownership	Test and Repair	211	10	0	1	9	12	9	1
UnKnown TestType	Change of Ownership	Test Only	113	10	0	3	7	10	7	4
UnKnown TestType	Enhanced	Gold Shield in Basic Area	85	6	0	1	5	6	5	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	200	21	0	2	15	26	15	7
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,862	181	0	30	121	208	121	67
UnKnown TestType	Enhanced	Government Fleet	0	6	0	0	6	137	6	0
UnKnown TestType	Enhanced	Referee	46	13	0	9	2	14	2	12
UnKnown TestType	Enhanced	Test and Repair	10,792	467	0	67	355	603	355	136
UnKnown TestType	Enhanced	Test and Repair Dealer	79	5	0	1	3	7	3	2
UnKnown TestType	Enhanced	Test Only	19,266	1,095	0	227	778	1,163	778	392
UnKnown TestType	Partial	Gold Shield in Basic Area	31	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in COO Area	63	5	0	1	3	5	3	2
UnKnown TestType	Partial	Gold Shield in Enhanced Area	442	36	0	2	26	37	26	13
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	6	0	0
UnKnown TestType	Partial	Referee	10	1	0	0	0	1	0	0
UnKnown TestType	Partial	Test and Repair	3,136	157	0	31	112	168	112	61
UnKnown TestType	Partial	Test Only	1,547	74	0	22	44	77	44	33
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	41	2	0	1	0	6	0	2
UnKnown TestType	Unknown Program	Gold Shield in COO Area	239	5	0	1	2	7	2	3
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	212	13	0	1	9	20	9	6
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	0	38	0	1
UnKnown TestType	Unknown Program	Referee	69	12	0	11	0	12	0	12
UnKnown TestType	Unknown Program	Test and Repair	1,665	46	0	12	25	131	25	22
UnKnown TestType	Unknown Program	Test and Repair Dealer	56	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Test Only	1,516	50	0	12	33	114	33	18