

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,853,393	349,694	12.26%
Total	3,280,490	448,988	13.69%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,471,080	86.60%	382,313	13.40%
Total	2,785,494	84.91%	494,996	15.09%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,539,387	86.13%	247,960	13.87%
Total	1,750,928	85.06%	307,561	14.94%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	39,647	1.39%
All Emissions	172,498	6.05%
All Visual	41,454	1.45%
All Functional	223,505	7.83%
OBDII	149,508	5.24%
Overall	349,694	12.26%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	1,035,101	932,305
Directed Vehicles	752,246	607,082
Total	1,787,347	1,539,387

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	170,395	147,840
Directed Vehicles	62,291	46,513
Total	232,686	194,353

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,621	281	542	27	0	4,471
Test Only	2,490	45	26	1	0	2,562
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	482	27	45	79	0	633
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	6,910	364	764	110	0	8,148

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,287,153	286,942	12.55%	31,758	1.39%
Partially Enhanced	148,384	21,234	14.31%	2,310	1.56%
Basic	257,011	25,636	9.97%	3,399	1.32%
Change of Ownership	17,855	2,403	13.46%	479	2.68%
No Program	17	2	11.76%	1	5.88%
Unknown Program	142,973	13,477	9.43%	1,700	1.19%
Total Program Area	2,853,393	349,694	12.26%	39,647	1.39%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,787,347	243,563	13.63%	28,684	1.60%
Regular	802,754	67,280	8.38%	6,385	0.80%
Basic Area Dealer	17,087	754	4.41%	63	0.37%
Gold Shield in Enhanced Area	182,107	29,641	16.28%	3,251	1.79%
Gold Shield in Basic Area	34,211	4,599	13.44%	668	1.95%
Gold Shield in COO Area	16,368	2,200	13.44%	397	2.43%
Business Fleet	16	0	0.00%	0	0.00%
Permanent Fleet Registered	163	16	9.82%	0	0.00%
Referee	1,207	608	50.37%	111	9.20%
Government Fleet	12,130	1,033	8.52%	88	0.73%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	2,853,393	349,694	12.26%	39,647	1.39%

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-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	3,042	807	26.53%	17.92%	7.03%	14.40%	7.20%	0.00%
MY-1977	4,161	1,134	27.25%	19.11%	7.21%	15.67%	7.76%	0.00%
MY-1978	4,710	1,278	27.13%	18.54%	7.71%	15.12%	7.75%	0.00%
MY-1979	5,388	1,589	29.49%	21.14%	8.24%	16.61%	8.69%	0.00%
MY-1980	3,251	877	26.98%	19.47%	8.46%	14.58%	7.94%	0.00%
MY-1981	3,642	1,098	30.15%	24.22%	8.98%	15.68%	7.66%	0.00%
MY-1982	4,203	1,262	30.03%	23.15%	9.14%	15.08%	8.16%	0.00%
MY-1983	5,596	1,731	30.93%	24.61%	9.63%	15.17%	7.83%	0.00%
MY-1984	10,332	3,293	31.87%	25.81%	9.89%	15.51%	7.14%	0.00%
MY-1985	13,897	4,425	31.84%	26.07%	9.24%	15.27%	6.69%	0.00%
MY-1986	19,145	5,646	29.49%	23.23%	8.46%	14.71%	6.16%	0.00%
MY-1987	22,774	6,891	30.26%	24.39%	7.83%	14.16%	5.61%	0.00%
MY-1988	28,375	8,126	28.64%	22.87%	7.33%	13.18%	5.03%	0.00%
MY-1989	38,917	10,519	27.03%	21.14%	6.10%	12.99%	4.51%	0.00%
MY-1990	49,145	12,941	26.33%	21.01%	5.56%	12.08%	3.79%	0.00%
MY-1991	57,736	14,704	25.47%	20.19%	5.38%	11.55%	3.37%	0.00%
MY-1992	59,838	14,874	24.86%	19.72%	4.77%	10.47%	3.32%	0.00%
MY-1993	71,934	19,155	26.63%	21.78%	4.35%	10.40%	3.17%	0.00%
MY-1994	89,156	21,136	23.71%	18.41%	3.37%	9.72%	3.02%	0.00%
MY-1995	122,805	25,407	20.69%	15.99%	2.67%	7.98%	2.55%	0.00%
MY-1996	96,423	18,637	19.33%	9.16%	1.52%	12.66%	2.00%	11.66%
MY-1997	160,323	24,608	15.35%	6.53%	1.04%	10.39%	1.48%	9.62%
MY-1998	138,353	19,736	14.26%	5.39%	0.93%	10.22%	1.44%	9.66%
MY-1999	222,852	22,288	10.00%	2.90%	0.49%	7.67%	1.06%	7.30%
MY-2000	159,333	17,926	11.25%	2.72%	0.56%	9.13%	1.07%	8.87%
MY-2001	308,745	30,138	9.76%	1.26%	0.24%	8.75%	0.73%	8.62%
MY-2002	145,017	14,886	10.27%	1.40%	0.28%	9.26%	0.83%	9.16%
MY-2003	340,787	20,150	5.91%	0.68%	0.15%	5.31%	0.47%	5.24%
MY-2004	125,736	8,157	6.49%	0.75%	0.14%	5.83%	0.53%	5.75%
MY-2005	363,364	12,507	3.44%	0.31%	0.06%	3.07%	0.30%	3.01%
MY-2006	56,054	1,678	2.99%	0.70%	0.06%	2.49%	0.34%	2.44%
MY-2007	62,431	1,273	2.04%	0.34%	0.04%	1.80%	0.15%	1.76%
MY-2008	25,386	424	1.67%	0.70%	0.02%	1.51%	0.09%	1.47%
MY-2009	11,667	162	1.39%	0.59%	0.03%	1.27%	0.08%	1.21%
MY-2010	15,194	177	1.16%	0.16%	0.01%	1.01%	0.10%	0.96%
MY-2011	3,675	53	1.44%	0.60%	0.05%	0.93%	0.44%	0.90%
MY-2012	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2013	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,853,393	349,694	12.26%	6.05%	1.39%	7.83%	1.45%	5.24%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,216
Certificate of Non Compliance	1
Parts Cost	784
Hardship Extensions	0
Exempt Vehicle	137
Exempted by Directive	29
Parts Exemption	50
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	2,217

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	882
Stations Locked-Out at Least Once	805
Stations Conducted at Least One Test	7,266

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,604	5,778
EA	Gas Endorsement	10	0
EB	Both Endorsement	50	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	1,527,044	47.43	219,113	48.43	1,746,157	47.56
Test and Repair	512,665	47.12	263,512	46.81	776,177	47.02
Test and Repair Dealer	111	62.53	15,762	53.04	15,873	53.10
Referee	488	30.00	160	30.00	648	30.00
Gold Shield in Enhanced Area	153,721	47.20	24,357	49.16	178,078	47.47
Gold Shield in Basic Area	1,526	62.02	31,739	39.10	33,265	40.15
Gold Shield in COO Area	2,784	53.22	12,903	54.19	15,687	54.02

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	15,540	23.16	58,916	254.93
	\$51-150	13,134	100.42		
	\$151-250	9,200	200.23		
	\$251-450	11,603	339.50		
	Over \$450	9,439	800.87		
CAP Repairs	\$1-50	259	24.31	13,092	431.44
	\$51-150	499	104.14		
	\$151-250	914	206.53		
	\$251-450	3,786	359.13		
	Over \$450	7,634	529.43		
Total Repairs	\$1-50	11,758	23.52	61,998	333.36
	\$51-150	10,738	100.54		
	\$151-250	8,658	201.45		
	\$251-450	13,649	344.68		
	Over \$450	17,195	748.08		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	12,197	431.44

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	22	11	2	0	3	7	7	2
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	120	21	1	1	11	8	13	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	146	24	4	2	6	15	12	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	19	3	0	0	0	1	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	21	7	2	0	2	5	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	1,024	226	19	13	80	119	124	36
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	2,071	425	41	21	184	217	267	43
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	111,890	23,619	2,504	1,329	9,790	11,722	14,985	3,204
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	290	6	3	196	65	227	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	275	394	79	154	84	216	212	218
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	363,141	31,082	2,337	1,671	18,909	10,335	23,351	3,184
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,237,799	211,455	24,885	11,076	79,836	117,042	126,765	23,866
Acceleration Simulation Mode (ASM)	No Program	Gold Shield in Enhanced Area	1	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	7	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	197	72	9	1	29	48	47	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	166	32	3	1	17	16	19	6
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	9,562	2,288	248	117	945	1,193	1,413	258
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	11	0	0	4	4	7	0
Acceleration Simulation Mode (ASM)	Partial	Referee	9	24	9	9	4	18	14	16
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	60,731	10,531	1,083	557	4,075	5,489	6,487	1,196
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	57	5	0	1	0	5	1	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)	Partial	Test Only	37,189	6,888	813	419	2,590	3,717	4,112	870
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	67	14	1	0	9	4	11	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,506	920	127	78	389	471	599	163
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	610	66	2	129	439	184	8
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	41	25	3	8	5	10	13	9
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	38,305	3,235	346	209	1,723	1,348	2,241	394
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	40,934	5,864	770	413	2,552	3,079	3,679	802
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	24,110	3,812	572	300	1,505	1,221	2,605	767
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	486	64	9	8	30	21	49	9
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,617	655	111	40	308	210	488	99
Two Speed Idle (TSI)	Basic	Government Fleet	0	31	4	0	20	9	22	0
Two Speed Idle (TSI)	Basic	Referee	38	63	11	35	15	18	40	41
Two Speed Idle (TSI)	Basic	Test and Repair	148,229	15,671	2,004	907	7,165	4,668	11,632	2,122
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	11,649	604	58	31	310	153	459	65
Two Speed Idle (TSI)	Basic	Test Only	30,807	4,212	623	220	1,900	1,421	2,939	606
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	202	53	8	4	23	17	41	9
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	6,081	1,090	232	80	390	483	734	145
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	354	66	16	6	22	28	48	16
Two Speed Idle (TSI)	Change of Ownership	Referee	3	10	1	7	2	1	7	8
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,959	603	110	59	255	219	462	93
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	108	7	0	0	5	2	6	1
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,998	529	110	48	171	216	352	96
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,650	162	23	25	68	48	108	38
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,600	162	28	13	82	53	115	25
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	15,653	1,647	203	105	999	402	1,290	220
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	60	7	2	41	13	47	5

	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	69	6	0	0	5	1	5	0
Two Speed Idle (TSI)	Enhanced	Referee	51	36	6	15	17	8	22	18
Two Speed Idle (TSI)	Enhanced	Test and Repair	63,622	3,420	302	150	2,381	638	2,818	310
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,466	49	2	3	37	7	43	4
Two Speed Idle (TSI)	Enhanced	Test Only	156,530	12,403	1,316	547	8,271	2,749	9,748	1,155
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	146	13	2	2	9	2	10	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	144	13	3	0	7	5	8	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,016	116	22	4	66	33	83	13
Two Speed Idle (TSI)	Partial	Test and Repair	7,405	611	67	35	376	141	484	71
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	160	15	1	0	10	2	15	0
Two Speed Idle (TSI)	Partial	Test Only	4,032	385	50	28	226	105	270	55
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,165	187	35	28	77	64	127	51
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,729	361	80	31	159	140	265	63
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,134	112	18	3	73	31	95	14
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	24	5	0	15	8	17	0
Two Speed Idle (TSI)	Unknown Program	Referee	17	10	2	6	1	3	4	7
Two Speed Idle (TSI)	Unknown Program	Test and Repair	14,967	1,177	135	100	675	299	931	184
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,416	34	2	2	24	6	26	3
Two Speed Idle (TSI)	Unknown Program	Test Only	10,570	755	110	59	469	207	564	102
Unknown TestType	Basic	Gold Shield in Basic Area	735	58	0	7	40	58	40	21
Unknown TestType	Basic	Gold Shield in COO Area	38	3	0	1	2	3	2	1
Unknown TestType	Basic	Gold Shield in Enhanced Area	186	14	0	2	7	15	7	7
Unknown TestType	Basic	Government Fleet	0	0	0	0	0	14	0	0
Unknown TestType	Basic	Referee	13	6	0	5	2	6	2	5
Unknown TestType	Basic	Test and Repair	5,381	300	0	43	233	318	233	82
Unknown TestType	Basic	Test and Repair Dealer	930	33	0	4	25	39	25	8
Unknown TestType	Basic	Test Only	942	54	0	14	39	58	39	17
Unknown TestType	Change of Ownership	Gold Shield in Basic Area	12	2	0	0	1	2	1	1
Unknown TestType	Change of Ownership	Gold Shield in COO Area	239	17	0	3	11	18	11	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	Test and Repair	188	6	0	1	4	7	4	2
UnKnown TestType	Change of Ownership	Test and Repair Dealer	16	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Test Only	61	6	0	1	3	6	3	3
UnKnown TestType	Enhanced	Gold Shield in Basic Area	63	5	0	1	3	5	3	2
UnKnown TestType	Enhanced	Gold Shield in COO Area	142	9	0	1	7	10	7	2
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,417	156	0	25	115	186	115	45
UnKnown TestType	Enhanced	Government Fleet	0	5	0	0	5	159	5	0
UnKnown TestType	Enhanced	Permanent Fleet Registered	2	2	0	0	2	2	2	0
UnKnown TestType	Enhanced	Referee	50	15	0	12	2	19	2	13
UnKnown TestType	Enhanced	Test and Repair	9,248	448	0	58	331	687	331	139
UnKnown TestType	Enhanced	Test and Repair Dealer	96	2	0	0	2	4	2	0
UnKnown TestType	Enhanced	Test Only	14,984	853	0	139	637	977	637	248
UnKnown TestType	Partial	Gold Shield in Basic Area	15	4	0	0	2	4	2	2
UnKnown TestType	Partial	Gold Shield in COO Area	18	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	447	26	0	3	19	27	19	8
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Referee	2	2	0	2	1	2	1	2
UnKnown TestType	Partial	Test and Repair	2,758	119	0	28	71	139	71	53
UnKnown TestType	Partial	Test Only	1,183	75	0	15	53	76	53	24
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	46	5	0	0	4	6	4	2
UnKnown TestType	Unknown Program	Gold Shield in COO Area	203	9	0	2	6	9	6	3
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	174	8	0	1	5	14	5	3
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	122	0	0
UnKnown TestType	Unknown Program	Referee	75	21	0	19	0	21	1	21
UnKnown TestType	Unknown Program	Test and Repair	1,459	53	0	10	39	128	39	14
UnKnown TestType	Unknown Program	Test and Repair Dealer	82	0	0	0	0	7	0	0
UnKnown TestType	Unknown Program	Test Only	1,184	52	0	6	39	99	39	14