

Executive Summary Report

SMOG CHECK Statewide

August 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,008,588	117,995	11.70%
Total	1,150,981	151,024	13.12%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	882,637	87.51%	125,951	12.49%
Total	988,307	85.87%	162,674	14.13%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	557,126	86.49%	87,062	13.51%
Total	632,887	85.10%	110,775	14.90%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,443	1.23%
All Emissions	57,598	5.71%
All Visual	16,563	1.64%
All Functional	71,949	7.13%
OBDII	49,073	4.87%
Overall	117,995	11.70%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	401,841	366,822
Directed Vehicles	242,347	190,304
Total	644,188	557,126

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	60,908	54,226
Directed Vehicles	20,116	14,954
Total	81,024	69,180

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,438	290	546	28	0	4,302
Test Only	2,610	50	28	1	0	2,689
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	453	25	40	76	0	594
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	29	1	4	0	0	34
Referee	36	0	6	1	0	43
Government Fleet	248	9	37	2	0	296
Unknown Type	4	0	2	0	0	6
Total	6,821	375	764	108	0	8,068

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	805,873	98,074	12.17%	10,031	1.24%
Partially Enhanced	50,973	6,466	12.69%	648	1.27%
Basic	91,496	8,125	8.88%	1,082	1.18%
Change of Ownership	6,328	828	13.08%	177	2.80%
No Program	8	2	25.00%	0	0.00%
Unknown Program	53,910	4,500	8.35%	505	0.94%
Total Program Area	1,008,588	117,995	11.70%	12,443	1.23%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	644,188	85,528	13.28%	9,216	1.43%
Regular	275,697	20,553	7.45%	1,794	0.65%
Basic Area Dealer	5,575	189	3.39%	15	0.27%
Gold Shield in Enhanced Area	61,807	9,116	14.75%	996	1.61%
Gold Shield in Basic Area	11,452	1,324	11.56%	193	1.69%
Gold Shield in COO Area	7,765	961	12.38%	181	2.33%
Business Fleet	3	0	0.00%	0	0.00%
Permanent Fleet Registered	47	2	4.26%	0	0.00%
Referee	455	209	45.93%	37	8.13%
Government Fleet	1,598	112	7.01%	11	0.69%
Unknown Privilege	1	1	100.00%	0	0.00%
Total	1,008,588	117,995	11.70%	12,443	1.23%

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-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1952	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1955	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1963	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	895	300	33.52%	24.80%	10.28%	17.65%	12.51%	0.00%
MY-1977	1,257	389	30.95%	21.32%	8.99%	15.91%	9.31%	0.00%
MY-1978	1,381	417	30.20%	20.78%	8.76%	15.50%	8.62%	0.00%
MY-1979	1,474	460	31.21%	22.32%	9.43%	17.50%	9.91%	0.00%
MY-1980	864	274	31.71%	21.76%	11.11%	17.71%	8.68%	0.00%
MY-1981	1,121	399	35.59%	28.90%	12.31%	16.86%	10.79%	0.00%
MY-1982	1,080	362	33.52%	25.28%	9.72%	16.94%	7.96%	0.00%
MY-1983	1,576	501	31.79%	24.81%	9.96%	14.53%	8.06%	0.00%
MY-1984	2,821	973	34.49%	26.73%	10.56%	16.91%	8.72%	0.00%
MY-1985	3,769	1,244	33.01%	25.90%	9.63%	16.05%	7.40%	0.00%
MY-1986	5,868	1,838	31.32%	23.40%	8.52%	15.25%	7.00%	0.00%
MY-1987	6,181	1,944	31.45%	24.49%	7.90%	13.80%	6.15%	0.00%
MY-1988	7,917	2,348	29.66%	22.85%	7.46%	13.48%	5.41%	0.00%
MY-1989	10,849	3,143	28.97%	21.78%	5.89%	13.63%	4.69%	0.00%
MY-1990	13,541	3,816	28.18%	21.90%	5.74%	12.30%	4.47%	0.00%
MY-1991	16,272	4,287	26.35%	20.27%	5.16%	11.32%	3.71%	0.00%
MY-1992	16,853	4,597	27.28%	20.93%	5.37%	11.30%	4.15%	0.00%
MY-1993	20,877	6,086	29.15%	23.25%	4.55%	11.21%	3.91%	0.00%
MY-1994	27,896	7,061	25.31%	19.48%	3.46%	10.00%	3.57%	0.00%
MY-1995	29,459	7,311	24.82%	18.88%	3.36%	9.69%	3.55%	0.00%
MY-1996	37,831	7,133	18.85%	9.80%	1.30%	10.81%	2.43%	9.58%
MY-1997	37,935	6,964	18.36%	8.98%	1.36%	11.20%	2.30%	9.93%
MY-1998	59,805	7,935	13.27%	5.66%	0.94%	8.37%	1.76%	7.61%
MY-1999	47,101	5,986	12.71%	4.50%	0.71%	8.89%	1.77%	8.24%
MY-2000	99,163	9,529	9.61%	2.63%	0.45%	7.09%	1.22%	6.78%
MY-2001	47,857	6,166	12.88%	2.52%	0.39%	10.89%	1.35%	10.68%
MY-2002	115,597	9,438	8.16%	1.30%	0.22%	6.78%	0.95%	6.65%
MY-2003	42,893	3,603	8.40%	1.56%	0.22%	6.93%	1.08%	6.82%
MY-2004	124,627	6,015	4.83%	0.71%	0.11%	4.02%	0.54%	3.95%
MY-2005	33,494	1,697	5.07%	0.99%	0.16%	4.12%	0.63%	4.03%
MY-2006	131,973	4,643	3.52%	0.60%	0.06%	2.83%	0.39%	2.79%
MY-2007	18,997	496	2.61%	0.57%	0.06%	2.00%	0.34%	1.97%
MY-2008	16,306	322	1.97%	0.53%	0.04%	1.52%	0.23%	1.48%
MY-2009	5,880	103	1.75%	0.66%	0.03%	1.24%	0.27%	1.21%
MY-2010	6,128	82	1.34%	0.21%	0.02%	1.06%	0.20%	0.98%
MY-2011	6,911	72	1.04%	0.39%	0.00%	0.82%	0.06%	0.78%
MY-2012	3,885	51	1.31%	0.31%	0.03%	1.03%	0.15%	1.00%
MY-2013	250	10	4.00%	0.00%	0.00%	4.00%	0.00%	4.00%
All Model Years	1,008,588	117,995	11.70%	5.71%	1.23%	7.13%	1.64%	4.87%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	433
Certificate of Non Compliance	1
Parts Cost	106
Hardship Extensions	5
Exempt Vehicle	34
Exempted by Directive	5
Parts Exemption	8
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	592

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	958
Stations Locked-Out at Least Once	976
Stations Conducted at Least One Test	7,110

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,791	5,933
EA	Gas Endorsement	8	0
EB	Both Endorsement	38	0
EB	Gas Endorsement	435	0
EU	Gas 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	539,627	46.99	85,010	47.99	624,637	47.12
Test and Repair	170,800	47.22	95,026	45.75	265,826	46.70
Test and Repair Dealer	13	78.38	5,138	53.75	5,151	53.82
Referee	183	30.00	82	30.00	265	30.00
Gold Shield in Enhanced Area	51,585	46.18	8,733	47.78	60,318	46.41
Gold Shield in Basic Area	470	59.44	10,572	39.54	11,042	40.39
Gold Shield in COO Area	2,049	57.08	5,392	51.24	7,441	52.85

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	3,550	22.93	16,490	305.67
	\$51-150	3,388	101.18		
	\$151-250	2,610	202.06		
	\$251-450	3,448	340.91		
	Over \$450	3,494	833.83		
CAP Repairs	\$1-50	66	25.27	1,072	398.34
	\$51-150	112	103.62		
	\$151-250	131	203.85		
	\$251-450	257	351.41		
	Over \$450	506	586.42		
Total Repairs	\$1-50	3,535	23.00	16,746	326.49
	\$51-150	3,111	100.36		
	\$151-250	2,477	201.88		
	\$251-450	3,591	341.81		
	Over \$450	4,032	829.97		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	1,008	398.34

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	Test and Repair	75	5	1	0	2	3	2	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	69	14	3	1	6	11	9	2

	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)	Change of Ownership	Gold Shield in Enhanced Area	0	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	10	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	13	2	1	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	331	52	5	2	19	24	29	10
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,312	268	33	11	107	144	174	27
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	38,641	7,343	777	517	2,979	3,748	4,398	1,095
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	33	1	0	19	12	21	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	106	118	18	51	28	63	66	72
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	122,039	9,126	593	645	5,093	3,285	6,252	1,152
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	437,589	73,696	7,908	4,826	27,266	39,693	42,320	10,136
Acceleration Simulation Mode (ASM)	No Program	Test Only	3	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	63	19	1	1	6	11	10	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	307	49	4	1	20	28	26	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,835	568	74	42	237	297	346	76
Acceleration Simulation Mode (ASM)	Partial	Referee	7	10	3	2	2	7	8	5
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	20,372	3,102	288	158	1,175	1,653	1,729	334
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	8	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,680	2,223	235	142	791	1,221	1,207	286
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	1	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	96	5	1	0	1	3	3	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
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,681	266	36	28	119	128	169	44
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	57	10	0	10	46	12	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	22	16	4	10	1	9	10	10
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	13,171	989	105	81	466	444	618	142
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	17,081	2,120	247	173	960	1,056	1,290	326
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,035	1,077	160	91	423	317	749	228
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	251	36	10	0	18	17	25	1
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,366	213	36	15	94	69	154	31
Two Speed Idle (TSI)	Basic	Referee	17	35	6	17	7	11	21	22
Two Speed Idle (TSI)	Basic	Test and Repair	53,536	4,907	627	294	2,206	1,525	3,537	722
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,795	137	14	7	74	29	99	18
Two Speed Idle (TSI)	Basic	Test Only	11,715	1,501	225	117	673	485	1,047	235
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	69	10	1	1	3	2	7	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,166	351	93	23	116	175	219	42
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	121	22	3	1	9	9	14	6
Two Speed Idle (TSI)	Change of Ownership	Referee	1	3	1	2	0	1	1	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,733	209	40	21	87	73	151	41
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	41	5	0	1	3	1	3	1
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,094	209	37	21	82	75	149	43
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	734	68	13	15	23	22	43	19
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	998	96	18	7	47	34	63	11
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,553	550	59	42	343	123	425	84
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	9	0	0	7	2	7	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	22	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Referee	22	10	3	3	4	3	6	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	Test and Repair	23,757	1,261	86	80	893	195	1,046	153
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	442	14	0	1	8	4	11	2
Two Speed Idle (TSI)	Enhanced	Test Only	59,987	4,788	517	299	3,121	1,000	3,729	594
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	77	9	1	1	4	2	8	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	70	7	1	0	5	1	6	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	349	46	6	2	26	11	34	6
Two Speed Idle (TSI)	Partial	Referee	0	2	1	0	1	1	2	1
Two Speed Idle (TSI)	Partial	Test and Repair	2,654	196	22	15	114	46	145	28
Two Speed Idle (TSI)	Partial	Test Only	1,691	133	12	17	74	28	92	28
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	424	64	11	8	29	20	47	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,263	130	21	11	62	47	96	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	474	30	5	2	18	10	19	4
Two Speed Idle (TSI)	Unknown Program	Referee	7	3	1	2	0	1	2	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,847	399	31	33	244	85	304	62
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	592	13	1	2	8	2	11	3
Two Speed Idle (TSI)	Unknown Program	Test Only	5,230	347	31	33	226	79	260	52
UnKnown TestType	Basic	Gold Shield in Basic Area	311	22	0	3	15	22	15	8
UnKnown TestType	Basic	Gold Shield in COO Area	32	4	0	0	3	4	3	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	87	5	0	1	4	5	4	1
UnKnown TestType	Basic	Referee	1	1	0	1	0	1	0	1
UnKnown TestType	Basic	Test and Repair	2,330	119	0	13	94	134	94	28
UnKnown TestType	Basic	Test and Repair Dealer	341	17	0	4	13	18	13	6
UnKnown TestType	Basic	Test Only	465	28	0	10	15	28	15	16
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	85	6	0	0	6	6	6	0
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	5	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Test and Repair	89	4	0	0	2	4	2	2
UnKnown TestType	Change of Ownership	Test Only	27	3	0	1	3	3	3	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	71	6	0	2	3	8	3	3
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	971	58	0	9	45	68	45	17

	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	Enhanced	Government Fleet	0	2	0	0	2	31	2	0
UnKnown TestType	Enhanced	Referee	19	3	0	3	0	3	1	3
UnKnown TestType	Enhanced	Test and Repair	3,568	165	0	23	117	195	117	53
UnKnown TestType	Enhanced	Test Only	7,386	406	0	73	285	448	285	147
UnKnown TestType	Partial	Gold Shield in Basic Area	6	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in COO Area	32	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	156	7	0	0	5	8	5	4
UnKnown TestType	Partial	Referee	1	1	0	1	0	1	0	1
UnKnown TestType	Partial	Test and Repair	1,084	56	0	6	39	66	39	18
UnKnown TestType	Partial	Test and Repair Dealer	10	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	528	31	0	6	19	35	19	15
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	13	1	0	1	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	83	2	0	1	2	2	2	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	73	5	0	2	1	6	1	4
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	16	0	0
UnKnown TestType	Unknown Program	Referee	15	6	0	6	0	6	0	6
UnKnown TestType	Unknown Program	Test and Repair	473	14	0	6	6	26	6	8
UnKnown TestType	Unknown Program	Test Only	568	25	0	4	17	49	17	11