

Executive Summary Report

SMOG CHECK Statewide

December 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	820,511	94,327	11.50%
Total	934,421	119,849	12.83%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	714,939	87.13%	105,572	12.87%
Total	799,779	85.59%	134,642	14.41%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	452,959	86.67%	69,677	13.33%
Total	512,489	85.50%	86,928	14.50%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	9,728	1.19%
All Emissions	44,668	5.44%
All Visual	11,775	1.44%
All Functional	60,484	7.37%
OBDII	42,452	5.17%
Overall	94,327	11.50%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	295,645	268,834
Directed Vehicles	226,991	184,125
Total	522,636	452,959

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	49,873	43,407
Directed Vehicles	19,009	14,372
Total	68,882	57,779

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,504	283	634	32	0	4,453
Test Only	2,614	46	26	1	0	2,687
Basic Area Dealer	0	0	1	0	0	1
Gold Shield	490	27	48	74	0	639
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	6,926	366	756	110	0	8,158

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	655,352	77,635	11.85%	7,804	1.19%
Partially Enhanced	41,143	5,592	13.59%	537	1.31%
Basic	73,584	6,802	9.24%	849	1.15%
Change of Ownership	5,341	656	12.28%	135	2.53%
No Program	4	0	0.00%	0	0.00%
Unknown Program	45,087	3,642	8.08%	403	0.89%
Total Program Area	820,511	94,327	11.50%	9,728	1.19%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	522,636	67,382	12.89%	7,076	1.35%
Regular	224,617	16,612	7.40%	1,512	0.67%
Basic Area Dealer	2,094	83	3.96%	7	0.33%
Gold Shield in Enhanced Area	49,699	7,724	15.54%	777	1.56%
Gold Shield in Basic Area	9,043	1,073	11.87%	145	1.60%
Gold Shield in COO Area	10,140	1,153	11.37%	167	1.65%
Business Fleet	8	1	12.50%	0	0.00%
Permanent Fleet Registered	39	1	2.56%	0	0.00%
Referee	354	172	48.59%	32	9.04%
Government Fleet	1,881	126	6.70%	12	0.64%
Total	820,511	94,327	11.50%	9,728	1.19%

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-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	792	199	25.13%	17.30%	8.21%	13.13%	6.44%	0.00%
MY-1977	987	298	30.19%	19.55%	6.79%	16.21%	7.50%	0.00%
MY-1978	1,121	292	26.05%	18.38%	7.31%	14.18%	8.65%	0.00%
MY-1979	1,397	413	29.56%	20.40%	9.09%	15.68%	7.95%	0.00%
MY-1980	802	222	27.68%	19.83%	8.23%	13.97%	8.35%	0.00%
MY-1981	926	268	28.94%	24.30%	10.91%	12.85%	6.80%	0.00%
MY-1982	1,099	295	26.84%	21.11%	6.37%	12.56%	7.19%	0.00%
MY-1983	1,245	398	31.97%	24.74%	9.40%	15.26%	7.63%	0.00%
MY-1984	2,430	796	32.76%	26.75%	10.49%	15.93%	7.41%	0.00%
MY-1985	3,235	1,048	32.40%	26.15%	9.18%	14.19%	6.99%	0.00%
MY-1986	4,772	1,386	29.04%	23.03%	7.98%	13.98%	6.29%	0.00%
MY-1987	6,067	1,825	30.08%	23.52%	7.24%	13.22%	6.00%	0.00%
MY-1988	6,626	1,892	28.55%	22.59%	6.60%	13.15%	4.86%	0.00%
MY-1989	9,346	2,576	27.56%	21.51%	5.83%	12.71%	4.56%	0.00%
MY-1990	11,549	3,101	26.85%	20.79%	5.08%	12.23%	4.05%	0.00%
MY-1991	14,083	3,654	25.95%	20.70%	5.22%	10.96%	3.39%	0.00%
MY-1992	14,023	3,568	25.44%	19.86%	4.90%	10.55%	3.58%	0.00%
MY-1993	17,863	4,786	26.79%	21.58%	4.33%	10.59%	3.61%	0.00%
MY-1994	21,781	5,419	24.88%	19.08%	3.21%	9.64%	3.49%	0.00%
MY-1995	28,981	6,329	21.84%	16.74%	2.73%	8.38%	3.05%	0.00%
MY-1996	26,217	4,899	18.69%	9.22%	1.24%	11.58%	2.12%	10.51%
MY-1997	37,969	6,344	16.71%	7.39%	1.15%	11.04%	1.70%	10.14%
MY-1998	39,494	5,330	13.50%	5.29%	0.89%	9.31%	1.57%	8.71%
MY-1999	52,506	5,882	11.20%	3.49%	0.59%	8.41%	1.34%	7.95%
MY-2000	58,587	5,376	9.18%	2.36%	0.48%	7.23%	0.97%	6.99%
MY-2001	69,104	8,292	12.00%	1.65%	0.33%	10.73%	0.93%	10.57%
MY-2002	60,173	4,441	7.38%	1.09%	0.19%	6.47%	0.71%	6.35%
MY-2003	77,184	6,016	7.79%	1.01%	0.23%	6.98%	0.68%	6.91%
MY-2004	61,377	2,772	4.52%	0.67%	0.09%	3.92%	0.48%	3.85%
MY-2005	84,219	3,886	4.61%	0.48%	0.09%	4.09%	0.42%	4.03%
MY-2006	57,607	1,471	2.55%	0.45%	0.05%	2.09%	0.31%	2.06%
MY-2007	16,360	374	2.29%	0.62%	0.07%	1.96%	0.21%	1.94%
MY-2008	14,673	271	1.85%	0.57%	0.03%	1.68%	0.10%	1.64%
MY-2009	4,083	54	1.32%	1.03%	0.02%	1.20%	0.12%	1.18%
MY-2010	6,465	85	1.31%	0.28%	0.00%	1.21%	0.03%	1.16%
MY-2011	4,594	59	1.28%	0.26%	0.00%	1.09%	0.11%	1.09%
MY-2012	772	10	1.30%	0.13%	0.00%	1.30%	0.00%	1.30%
MY-2013	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	820,511	94,327	11.50%	5.44%	1.19%	7.37%	1.44%	5.17%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	341
Certificate of Non Compliance	0
Parts Cost	175
Hardship Extensions	0
Exempt Vehicle	33
Exempted by Directive	4
Parts Exemption	6
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	559

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,068
Stations Locked-Out at Least Once	1,008
Stations Conducted at Least One Test	7,090

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,056	5,778
EA	Gas Endorsement	9	0
EB	Both Endorsement	43	0
EB	Gas Endorsement	455	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	438,747	47.40	71,092	48.35	509,839	47.53
Test and Repair	134,910	47.96	81,166	46.98	216,076	47.59
Test and Repair Dealer	15	54.87	1,936	52.00	1,951	52.02
Referee	141	30.00	61	30.00	202	30.00
Gold Shield in Enhanced Area	40,977	46.34	7,476	47.92	48,453	46.58
Gold Shield in Basic Area	373	61.03	8,365	38.97	8,738	39.91
Gold Shield in COO Area	3,361	50.39	6,426	46.20	9,787	47.64

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	3,764	23.14	14,567	273.10
	\$51-150	2,964	100.55		
	\$151-250	2,270	200.79		
	\$251-450	2,929	341.06		
	Over \$450	2,640	809.98		
CAP Repairs	\$1-50	63	24.11	2,071	420.92
	\$51-150	123	108.34		
	\$151-250	151	207.11		
	\$251-450	610	360.36		
	Over \$450	1,124	538.96		
Total Repairs	\$1-50	3,024	23.41	15,120	320.77
	\$51-150	2,777	101.24		
	\$151-250	2,232	201.29		
	\$251-450	3,332	344.00		
	Over \$450	3,755	772.98		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	1,960	420.92

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	4	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	65	12	1	0	3	6	4	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)	Basic	Test Only	61	20	0	1	12	5	16	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	2	1	1	0	1	2	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	16	4	1	0	0	4	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	243	56	7	4	22	29	29	7
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	2,493	496	47	31	213	243	311	73
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	29,700	6,057	598	342	2,724	2,860	3,897	861
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	55	1	0	35	13	44	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	75	100	16	30	27	47	49	45
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	94,095	6,894	514	403	4,057	2,388	5,016	768
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	355,833	57,786	6,065	3,215	23,262	30,210	34,809	6,922
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	60	9	1	0	6	5	6	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	158	38	5	0	12	23	21	4
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,502	608	68	38	275	297	406	68
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	5	0	0	4	2	4	0
Acceleration Simulation Mode (ASM)	Partial	Referee	3	5	0	1	2	1	3	2
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,655	2,593	257	153	1,029	1,316	1,557	300
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,577	1,880	180	120	760	966	1,129	257
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	98	15	1	1	7	5	9	2
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,243	221	19	19	108	100	143	42
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	25	2	0	7	14	12	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	11	5	3	3	11	6	7
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,760	859	72	58	467	353	589	106
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,229	1,676	206	132	788	845	1,051	233
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	6,443	871	126	61	380	268	619	139
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	583	80	13	6	35	30	52	8
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,109	189	31	18	90	56	136	43
Two Speed Idle (TSI)	Basic	Government Fleet	0	15	4	0	8	5	10	0
Two Speed Idle (TSI)	Basic	Referee	8	22	5	6	9	9	14	9
Two Speed Idle (TSI)	Basic	Test and Repair	43,300	4,190	503	256	2,042	1,110	3,161	565
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	1,437	71	7	2	45	19	57	4
Two Speed Idle (TSI)	Basic	Test Only	9,034	1,162	158	67	576	358	854	167
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	65	13	3	0	2	6	10	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,714	266	63	21	89	126	164	36
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	91	17	4	3	4	8	14	4
Two Speed Idle (TSI)	Change of Ownership	Referee	0	7	4	2	0	4	5	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,620	183	30	13	82	60	141	30
Two Speed Idle (TSI)	Change of Ownership	Test Only	931	155	29	13	75	52	112	25
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	446	51	5	3	26	12	38	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,710	126	18	1	71	43	92	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,784	492	51	23	338	98	400	52
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	15	5	0	7	7	9	0
Two Speed Idle (TSI)	Enhanced	Referee	16	9	1	2	7	1	9	4
Two Speed Idle (TSI)	Enhanced	Test and Repair	20,948	1,007	74	59	735	162	832	102
Two Speed Idle (TSI)	Enhanced	Test Only	51,429	3,988	402	206	2,720	844	3,167	410
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	94	5	0	1	3	2	3	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	319	33	3	4	22	7	29	5
Two Speed Idle (TSI)	Partial	Test and Repair	2,265	180	17	14	99	41	133	26
Two Speed Idle (TSI)	Partial	Test Only	1,293	115	6	12	78	18	88	20

	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)	Unknown Program	Gold Shield in Basic Area	297	36	3	7	18	10	26	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,613	110	20	12	53	38	76	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	342	27	2	2	22	3	23	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,524	368	44	16	230	93	302	46
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	177	6	0	1	3	2	5	1
Two Speed Idle (TSI)	Unknown Program	Test Only	3,652	236	29	10	172	49	195	20
UnKnown TestType	Basic	Gold Shield in Basic Area	213	29	0	3	22	34	22	8
UnKnown TestType	Basic	Gold Shield in COO Area	44	3	0	0	3	3	3	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	60	5	0	0	4	5	4	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	10	0	0
UnKnown TestType	Basic	Test and Repair	2,170	111	0	16	79	179	79	35
UnKnown TestType	Basic	Test and Repair Dealer	111	1	0	0	1	3	1	0
UnKnown TestType	Basic	Test Only	375	20	0	2	16	26	16	4
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	78	5	0	0	5	5	5	0
UnKnown TestType	Change of Ownership	Referee	1	2	0	2	0	2	0	2
UnKnown TestType	Change of Ownership	Test Only	34	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	28	3	0	0	2	3	2	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	108	5	0	3	0	9	0	5
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	791	55	0	10	37	89	37	21
UnKnown TestType	Enhanced	Government Fleet	0	4	0	0	3	64	3	1
UnKnown TestType	Enhanced	Referee	14	7	0	4	2	7	2	4
UnKnown TestType	Enhanced	Test and Repair	3,127	132	0	31	90	229	90	49
UnKnown TestType	Enhanced	Test and Repair Dealer	11	1	0	1	0	1	0	1
UnKnown TestType	Enhanced	Test Only	5,646	292	0	59	208	374	208	98
UnKnown TestType	Partial	Gold Shield in Basic Area	8	2	0	1	1	2	1	2
UnKnown TestType	Partial	Gold Shield in COO Area	11	1	0	0	1	1	1	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	132	14	0	6	9	16	9	7
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	4	0	0
UnKnown TestType	Partial	Referee	3	1	0	1	0	1	0	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
UnKnown TestType	Partial	Test and Repair	971	63	0	14	42	91	42	24
UnKnown TestType	Partial	Test Only	445	34	0	9	21	36	21	15
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	13	1	0	0	0	3	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	84	3	0	0	3	5	3	0
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	53	5	0	2	3	11	3	3
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	1	20	1	0
UnKnown TestType	Unknown Program	Referee	20	2	0	0	0	2	0	2
UnKnown TestType	Unknown Program	Test and Repair	463	19	0	4	13	80	13	6
UnKnown TestType	Unknown Program	Test and Repair Dealer	9	1	0	0	1	2	1	0
UnKnown TestType	Unknown Program	Test Only	402	13	0	1	9	63	9	5