

Executive Summary Report

SMOG CHECK Statewide

February 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	902,150	113,236	12.55%
Total	1,037,729	144,744	13.95%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	778,810	86.33%	123,340	13.67%
Total	878,726	84.68%	159,003	15.32%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	485,608	85.81%	80,310	14.19%
Total	552,976	84.75%	99,480	15.25%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,825	1.42%
All Emissions	56,062	6.21%
All Visual	13,605	1.51%
All Functional	72,502	8.04%
OBDII	48,348	5.36%
Overall	113,236	12.55%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	327,469	294,110
Directed Vehicles	238,449	191,498
Total	565,918	485,608

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	53,853	46,522
Directed Vehicles	19,850	14,675
Total	73,703	61,197

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,580	275	534	28	0	4,417
Test Only	2,426	43	24	1	0	2,494
Basic Area Dealer	0	1	103	0	0	104
Gold Shield	477	27	45	77	0	626
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	6,800	356	753	109	0	8,018

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	721,385	92,847	12.87%	10,282	1.43%
Partially Enhanced	48,021	6,992	14.56%	756	1.57%
Basic	81,873	8,255	10.08%	1,087	1.33%
Change of Ownership	5,693	793	13.93%	154	2.71%
No Program	5	1	20.00%	0	0.00%
Unknown Program	45,173	4,348	9.63%	546	1.21%
Total Program Area	902,150	113,236	12.55%	12,825	1.42%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	565,918	78,953	13.95%	9,265	1.64%
Regular	252,878	21,586	8.54%	2,079	0.82%
Basic Area Dealer	5,469	243	4.44%	13	0.24%
Gold Shield in Enhanced Area	57,446	9,726	16.93%	1,059	1.84%
Gold Shield in Basic Area	11,030	1,486	13.47%	205	1.86%
Gold Shield in COO Area	5,227	713	13.64%	133	2.54%
Business Fleet	6	0	0.00%	0	0.00%
Permanent Fleet Registered	54	7	12.96%	0	0.00%
Referee	398	213	53.52%	47	11.81%
Government Fleet	3,722	309	8.30%	24	0.64%
Unknown Privilege	2	0	0.00%	0	0.00%
Total	902,150	113,236	12.55%	12,825	1.42%

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-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	927	249	26.86%	18.88%	8.09%	13.59%	8.41%	0.00%
MY-1977	1,297	327	25.21%	16.89%	6.32%	15.03%	7.40%	0.00%
MY-1978	1,504	405	26.93%	17.95%	7.31%	15.16%	7.58%	0.00%
MY-1979	1,660	535	32.23%	23.31%	8.43%	19.10%	9.82%	0.00%
MY-1980	1,011	265	26.21%	18.99%	7.81%	14.34%	7.62%	0.00%
MY-1981	1,145	348	30.39%	23.93%	9.17%	16.86%	8.12%	0.00%
MY-1982	1,348	417	30.93%	24.26%	9.57%	15.06%	7.94%	0.00%
MY-1983	1,771	577	32.58%	25.97%	10.62%	16.83%	8.58%	0.00%
MY-1984	3,348	1,074	32.08%	25.84%	10.04%	16.25%	7.95%	0.00%
MY-1985	4,392	1,413	32.17%	26.12%	8.83%	15.89%	6.90%	0.00%
MY-1986	6,115	1,802	29.47%	22.88%	8.41%	14.91%	6.61%	0.00%
MY-1987	7,245	2,280	31.47%	25.29%	8.32%	14.67%	5.55%	0.00%
MY-1988	9,006	2,668	29.62%	23.68%	7.59%	13.68%	5.15%	0.00%
MY-1989	12,449	3,381	27.16%	21.42%	6.23%	13.23%	4.71%	0.00%
MY-1990	15,733	4,151	26.38%	21.10%	5.64%	11.94%	3.84%	0.00%
MY-1991	18,311	4,775	26.08%	20.73%	5.54%	11.86%	3.47%	0.00%
MY-1992	19,321	4,907	25.40%	20.14%	4.90%	10.70%	3.47%	0.00%
MY-1993	22,854	6,211	27.18%	22.17%	4.31%	10.74%	3.43%	0.00%
MY-1994	28,859	6,884	23.85%	18.52%	3.39%	9.79%	3.15%	0.00%
MY-1995	39,514	8,379	21.21%	16.33%	2.70%	8.20%	2.66%	0.00%
MY-1996	31,067	6,083	19.58%	9.37%	1.54%	12.89%	2.11%	11.86%
MY-1997	51,513	8,123	15.77%	6.71%	1.06%	10.71%	1.51%	9.96%
MY-1998	43,538	6,365	14.62%	5.45%	0.93%	10.59%	1.47%	10.03%
MY-1999	70,558	7,244	10.27%	2.99%	0.48%	7.95%	1.02%	7.57%
MY-2000	50,139	5,731	11.43%	2.85%	0.58%	9.19%	1.14%	8.95%
MY-2001	97,298	9,723	9.99%	1.23%	0.24%	9.01%	0.75%	8.88%
MY-2002	44,732	4,604	10.29%	1.46%	0.25%	9.29%	0.82%	9.19%
MY-2003	108,100	6,530	6.04%	0.72%	0.18%	5.41%	0.49%	5.33%
MY-2004	37,659	2,598	6.90%	0.81%	0.12%	6.21%	0.56%	6.10%
MY-2005	115,849	4,012	3.46%	0.32%	0.07%	3.09%	0.29%	3.04%
MY-2006	17,481	525	3.00%	0.62%	0.06%	2.55%	0.34%	2.51%
MY-2007	18,367	376	2.05%	0.26%	0.02%	1.84%	0.14%	1.80%
MY-2008	8,103	143	1.76%	0.72%	0.00%	1.63%	0.14%	1.57%
MY-2009	3,716	52	1.40%	0.67%	0.05%	1.21%	0.05%	1.16%
MY-2010	5,147	63	1.22%	0.14%	0.02%	1.09%	0.06%	0.97%
MY-2011	1,071	16	1.49%	0.56%	0.09%	1.03%	0.37%	0.93%
MY-2013	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	902,150	113,236	12.55%	6.21%	1.42%	8.04%	1.51%	5.36%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	394
Certificate of Non Compliance	0
Parts Cost	232
Hardship Extensions	0
Exempt Vehicle	50
Exempted by Directive	3
Parts Exemption	25
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	704

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	963
Stations Locked-Out at Least Once	368
Stations Conducted at Least One Test	7,055

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,962	5,653
EA	Gas Endorsement	10	0
EB	Both Endorsement	46	0
EB	Gas Endorsement	465	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	483,725	47.42	68,572	48.43	552,297	47.54
Test and Repair	160,893	47.12	83,024	46.80	243,917	47.01
Test and Repair Dealer	42	63.19	5,044	53.51	5,086	53.59
Referee	155	30.00	51	30.00	206	30.00
Gold Shield in Enhanced Area	48,399	47.00	7,565	48.67	55,964	47.23
Gold Shield in Basic Area	486	60.79	10,258	39.44	10,744	40.41
Gold Shield in COO Area	930	52.64	4,084	54.10	5,014	53.83

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	4,846	22.92	18,725	251.95
	\$51-150	4,237	100.44		
	\$151-250	2,947	200.25		
	\$251-450	3,741	338.93		
	Over \$450	2,954	786.39		
CAP Repairs	\$1-50	70	25.97	3,876	434.47
	\$51-150	143	104.52		
	\$151-250	270	207.65		
	\$251-450	1,121	360.18		
	Over \$450	2,272	531.44		
Total Repairs	\$1-50	3,780	23.21	19,643	325.90
	\$51-150	3,526	100.83		
	\$151-250	2,752	201.23		
	\$251-450	4,319	344.71		
	Over \$450	5,266	743.62		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,638	434.47

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	6	0	0	2	3	4	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	36	5	0	0	3	2	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)	Basic	Test Only	46	8	1	0	3	4	5	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	6	2	1	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	322	79	3	8	31	33	47	17
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	703	138	11	6	56	73	82	16
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	34,955	7,765	806	464	3,247	3,814	4,972	1,099
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	89	3	1	62	17	73	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	82	142	32	58	29	76	80	82
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	113,248	9,862	764	549	5,972	3,332	7,407	1,022
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	390,654	68,554	8,024	3,639	25,913	38,037	41,109	7,819
Acceleration Simulation Mode (ASM)	No Program	Gold Shield in Enhanced Area	0	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	61	23	0	0	11	15	15	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	53	10	1	0	4	5	5	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,054	761	92	43	302	403	456	91
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	5	0	0	2	2	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	3	10	5	3	1	9	8	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	19,506	3,456	337	185	1,327	1,812	2,148	391
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	19	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	12,126	2,301	278	132	865	1,248	1,407	285
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	16	8	0	0	5	3	5	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,498	306	49	26	128	163	202	54

	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	169	15	1	40	123	48	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	12	9	2	3	1	5	4	3
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,453	1,038	117	63	548	441	729	114
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,841	1,921	232	120	823	1,003	1,219	253
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,695	1,227	180	105	472	397	828	258
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	153	21	4	2	10	8	15	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,126	166	25	8	87	44	133	20
Two Speed Idle (TSI)	Basic	Government Fleet	0	10	2	0	5	4	6	0
Two Speed Idle (TSI)	Basic	Referee	10	18	5	7	4	5	11	10
Two Speed Idle (TSI)	Basic	Test and Repair	47,148	5,105	667	307	2,299	1,562	3,747	737
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,692	200	12	11	105	47	154	23
Two Speed Idle (TSI)	Basic	Test Only	9,862	1,336	191	75	601	437	943	213
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	72	21	4	2	10	7	17	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,937	351	75	27	130	152	235	41
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	103	23	6	1	7	11	13	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,537	203	35	22	90	66	159	24
Two Speed Idle (TSI)	Change of Ownership	Test Only	964	181	33	20	63	68	128	37
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	600	47	6	10	20	10	30	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	482	46	13	4	27	17	35	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,874	558	72	38	339	140	438	74
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	25	4	1	16	6	18	3
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	17	2	0	0	1	1	1	0
Two Speed Idle (TSI)	Enhanced	Referee	17	13	2	6	7	2	9	7
Two Speed Idle (TSI)	Enhanced	Test and Repair	19,693	1,059	95	42	742	218	881	89
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	465	18	1	1	15	3	17	1
Two Speed Idle (TSI)	Enhanced	Test Only	48,651	3,964	446	178	2,647	863	3,146	373
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	47	5	1	0	2	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
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	292	33	3	1	24	6	27	5
Two Speed Idle (TSI)	Partial	Test and Repair	2,369	181	19	8	109	44	143	18
Two Speed Idle (TSI)	Partial	Test Only	1,331	120	20	9	65	37	81	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	380	65	12	9	28	22	47	19
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	873	120	28	11	56	46	91	25
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	346	37	6	1	27	6	35	2
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	8	0	0	5	2	7	0
Two Speed Idle (TSI)	Unknown Program	Referee	9	6	1	3	1	2	4	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,578	372	45	29	218	92	297	56
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	474	10	0	0	8	1	8	1
Two Speed Idle (TSI)	Unknown Program	Test Only	3,270	229	39	18	152	63	178	32
UnKnown TestType	Basic	Gold Shield in Basic Area	227	12	0	0	9	12	9	3
UnKnown TestType	Basic	Gold Shield in COO Area	12	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	62	3	0	0	2	3	2	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	7	0	0
UnKnown TestType	Basic	Test and Repair	1,686	108	0	23	75	110	75	39
UnKnown TestType	Basic	Test and Repair Dealer	288	8	0	0	8	11	8	0
UnKnown TestType	Basic	Test Only	323	21	0	3	18	21	18	4
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	5	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	71	5	0	1	2	5	2	3
UnKnown TestType	Change of Ownership	Test and Repair	72	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	18	2	0	1	1	2	1	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	48	4	0	1	3	4	3	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	735	55	0	8	39	60	39	17
UnKnown TestType	Enhanced	Government Fleet	0	2	0	0	2	57	2	0
UnKnown TestType	Enhanced	Permanent Fleet Registered	1	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Referee	16	5	0	3	1	7	1	3
UnKnown TestType	Enhanced	Test and Repair	2,936	135	0	21	101	223	101	40
UnKnown TestType	Enhanced	Test Only	4,774	276	0	42	218	317	218	69

	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 Basic Area	1	4	0	0	2	4	2	2
UnKnown TestType	Partial	Gold Shield in COO Area	5	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	155	8	0	2	6	8	6	2
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Test and Repair	901	41	0	9	25	49	25	17
UnKnown TestType	Partial	Test Only	378	24	0	5	17	24	17	8
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	14	2	0	0	1	2	1	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	63	3	0	2	1	3	1	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	63	4	0	0	3	4	3	1
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	17	0	0
UnKnown TestType	Unknown Program	Referee	28	5	0	5	0	5	1	5
UnKnown TestType	Unknown Program	Test and Repair	468	20	0	1	18	45	18	2
UnKnown TestType	Unknown Program	Test and Repair Dealer	27	0	0	0	0	5	0	0
UnKnown TestType	Unknown Program	Test Only	353	16	0	2	12	31	12	4