

Executive Summary Report

SMOG CHECK Statewide

March 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,049,709	127,230	12.12%
Total	1,208,594	164,396	13.60%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	910,663	86.75%	139,046	13.25%
Total	1,027,988	85.06%	180,606	14.94%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	574,577	86.00%	93,527	14.00%
Total	658,272	84.66%	119,313	15.34%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	13,629	1.30%
All Emissions	62,137	5.92%
All Visual	17,284	1.65%
All Functional	79,237	7.55%
OBDII	54,308	5.17%
Overall	127,230	12.12%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	408,652	370,364
Directed Vehicles	259,452	204,213
Total	668,104	574,577

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	62,315	54,751
Directed Vehicles	20,906	15,606
Total	83,221	70,357

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,478	288	539	29	0	4,334
Test Only	2,646	50	26	1	0	2,723
Basic Area Dealer	0	1	101	0	0	102
Gold Shield	475	27	44	76	0	622
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	6,917	376	757	109	0	8,159

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	840,151	105,180	12.52%	10,981	1.31%
Partially Enhanced	54,799	7,478	13.65%	773	1.41%
Basic	92,596	8,724	9.42%	1,100	1.19%
Change of Ownership	6,665	930	13.95%	165	2.48%
No Program	8	2	25.00%	0	0.00%
Unknown Program	55,490	4,916	8.86%	610	1.10%
Total Program Area	1,049,709	127,230	12.12%	13,629	1.30%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	668,104	91,820	13.74%	10,068	1.51%
Regular	287,281	22,378	7.79%	2,067	0.72%
Basic Area Dealer	6,054	209	3.45%	21	0.35%
Gold Shield in Enhanced Area	63,804	9,793	15.35%	1,036	1.62%
Gold Shield in Basic Area	11,549	1,430	12.38%	184	1.59%
Gold Shield in COO Area	7,868	980	12.46%	162	2.06%
Business Fleet	3	1	33.33%	1	33.33%
Permanent Fleet Registered	25	1	4.00%	0	0.00%
Referee	439	201	45.79%	38	8.66%
Government Fleet	4,582	417	9.10%	52	1.13%
Total	1,049,709	127,230	12.12%	13,629	1.30%

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-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	1,011	273	27.00%	19.49%	6.43%	13.45%	7.52%	0.00%
MY-1977	1,340	398	29.70%	20.15%	8.96%	17.01%	9.40%	0.00%
MY-1978	1,584	472	29.80%	19.82%	7.32%	17.17%	9.72%	0.00%
MY-1979	1,678	496	29.56%	21.16%	8.16%	16.33%	8.94%	0.00%
MY-1980	984	279	28.35%	21.24%	9.96%	15.55%	8.64%	0.00%
MY-1981	1,197	398	33.25%	27.07%	10.44%	15.20%	8.94%	0.00%
MY-1982	1,310	406	30.99%	24.12%	9.08%	15.73%	7.94%	0.00%
MY-1983	1,861	599	32.19%	25.31%	8.70%	14.83%	8.06%	0.00%
MY-1984	3,114	1,053	33.82%	26.78%	10.57%	15.77%	7.90%	0.00%
MY-1985	4,202	1,358	32.32%	25.87%	8.88%	15.94%	7.57%	0.00%
MY-1986	5,932	1,860	31.36%	24.17%	9.27%	15.31%	6.98%	0.00%
MY-1987	6,959	2,172	31.21%	24.59%	7.85%	14.70%	5.75%	0.00%
MY-1988	8,611	2,566	29.80%	23.35%	7.07%	13.46%	5.71%	0.00%
MY-1989	11,793	3,375	28.62%	21.84%	6.22%	13.28%	5.08%	0.00%
MY-1990	14,919	4,268	28.61%	22.36%	5.83%	12.74%	4.36%	0.00%
MY-1991	17,710	4,845	27.36%	21.43%	5.60%	12.25%	4.21%	0.00%
MY-1992	18,829	5,053	26.84%	21.06%	5.35%	11.04%	4.14%	0.00%
MY-1993	22,944	6,606	28.79%	23.24%	4.62%	11.10%	3.79%	0.00%
MY-1994	30,247	7,798	25.78%	20.09%	3.43%	10.00%	3.51%	0.00%
MY-1995	31,742	8,087	25.48%	19.68%	3.43%	9.89%	3.46%	0.00%
MY-1996	42,378	8,038	18.97%	9.86%	1.29%	11.09%	2.38%	9.89%
MY-1997	41,694	8,026	19.25%	9.37%	1.49%	12.18%	2.14%	11.01%
MY-1998	60,759	8,474	13.95%	5.66%	0.88%	9.32%	1.68%	8.52%
MY-1999	54,273	7,107	13.09%	4.36%	0.75%	9.54%	1.75%	8.98%
MY-2000	99,471	9,533	9.58%	2.48%	0.48%	7.34%	1.19%	7.03%
MY-2001	52,741	7,245	13.74%	2.28%	0.42%	11.92%	1.31%	11.75%
MY-2002	108,383	8,873	8.19%	1.16%	0.23%	7.07%	0.91%	6.96%
MY-2003	46,448	4,236	9.12%	1.51%	0.29%	7.82%	1.00%	7.71%
MY-2004	124,614	5,953	4.78%	0.58%	0.12%	4.10%	0.51%	4.05%
MY-2005	39,597	2,193	5.54%	0.86%	0.10%	4.67%	0.68%	4.61%
MY-2006	132,056	4,160	3.15%	0.37%	0.07%	2.66%	0.34%	2.62%
MY-2007	19,500	397	2.04%	0.35%	0.03%	1.68%	0.26%	1.65%
MY-2008	18,193	339	1.86%	0.40%	0.04%	1.60%	0.16%	1.59%
MY-2009	6,047	103	1.70%	0.53%	0.02%	1.44%	0.13%	1.42%
MY-2010	7,716	100	1.30%	0.31%	0.03%	1.09%	0.09%	1.05%
MY-2011	6,386	70	1.10%	0.28%	0.00%	0.88%	0.11%	0.78%
MY-2012	1,478	20	1.35%	0.47%	0.07%	1.01%	0.34%	0.95%
MY-2013	6	1	16.67%	0.00%	0.00%	16.67%	0.00%	16.67%
All Model Years	1,049,709	127,230	12.12%	5.92%	1.30%	7.55%	1.65%	5.17%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	444
Certificate of Non Compliance	0
Parts Cost	183
Hardship Extensions	0
Exempt Vehicle	24
Exempted by Directive	1
Parts Exemption	11
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	663

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,060
Stations Locked-Out at Least Once	992
Stations Conducted at Least One Test	7,099

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,130	5,826
EA	Gas Endorsement	10	0
EB	Both Endorsement	42	0
EB	Gas Endorsement	447	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	565,999	46.89	84,600	47.78	650,599	47.00
Test and Repair	179,719	47.41	96,454	46.40	276,173	47.06
Test and Repair Dealer	33	63.94	5,557	54.21	5,590	54.26
Referee	189	30.00	66	30.00	255	30.00
Gold Shield in Enhanced Area	53,325	46.28	8,820	47.93	62,145	46.51
Gold Shield in Basic Area	541	59.78	10,633	35.68	11,174	36.84
Gold Shield in COO Area	1,845	53.59	5,699	50.29	7,544	51.10

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	4,690	23.29	19,147	282.02
	\$51-150	3,851	100.92		
	\$151-250	2,973	200.78		
	\$251-450	4,045	341.38		
	Over \$450	3,588	814.98		
CAP Repairs	\$1-50	74	22.64	2,326	431.12
	\$51-150	152	107.58		
	\$151-250	172	201.72		
	\$251-450	603	361.44		
	Over \$450	1,325	552.54		
Total Repairs	\$1-50	3,958	23.63	19,724	324.61
	\$51-150	3,670	101.66		
	\$151-250	2,920	200.99		
	\$251-450	4,354	343.05		
	Over \$450	4,822	799.54		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,200	431.12

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	66	8	0	0	0	4	4	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	50	10	1	0	2	8	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)	Change of Ownership	Test Only	6	1	0	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	357	81	9	8	31	42	42	14
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,286	245	27	12	103	124	144	36
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	39,447	7,772	810	542	3,210	3,890	4,721	1,168
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	99	6	1	63	29	69	5
Acceleration Simulation Mode (ASM)	Enhanced	Referee	114	124	28	46	24	68	61	69
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	126,858	9,887	721	686	5,541	3,576	6,925	1,236
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	456,498	79,373	8,656	5,011	30,560	42,741	46,817	10,412
Acceleration Simulation Mode (ASM)	No Program	Test Only	2	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	69	24	2	0	9	18	13	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	210	40	4	2	20	19	25	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,068	715	78	41	327	356	462	76
Acceleration Simulation Mode (ASM)	Partial	Referee	6	8	1	4	2	3	5	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	21,719	3,532	353	212	1,352	1,853	2,071	435
Acceleration Simulation Mode (ASM)	Partial	Test Only	14,616	2,626	284	199	951	1,395	1,488	399
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	38	10	2	1	2	8	2	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,630	312	32	34	143	144	205	57
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	272	41	2	44	212	69	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	17	15	2	5	3	10	8	8
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,442	1,094	118	106	534	494	721	171

	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	Test Only	16,085	2,245	291	185	1,016	1,172	1,413	338
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,003	1,162	152	112	487	355	813	221
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	213	33	9	1	16	13	21	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,381	233	39	16	118	81	179	38
Two Speed Idle (TSI)	Basic	Referee	26	14	1	5	5	4	9	6
Two Speed Idle (TSI)	Basic	Test and Repair	53,216	5,336	637	337	2,527	1,525	3,945	743
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,997	163	21	9	88	41	127	22
Two Speed Idle (TSI)	Basic	Test Only	12,062	1,583	240	113	711	531	1,115	268
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	73	20	3	3	6	9	13	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,152	374	77	31	127	175	239	52
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	103	28	5	1	8	8	22	5
Two Speed Idle (TSI)	Change of Ownership	Referee	3	2	1	1	0	1	2	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,887	272	44	31	125	89	209	60
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,175	211	35	18	72	84	146	40
Two Speed Idle (TSI)	Enhanced	Business-Fleet	0	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	767	66	10	7	31	18	47	9
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,155	107	22	9	64	36	76	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,670	565	63	34	366	128	455	64
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	33	5	0	20	11	22	0
Two Speed Idle (TSI)	Enhanced	Referee	15	16	2	6	9	3	10	6
Two Speed Idle (TSI)	Enhanced	Test and Repair	24,788	1,286	127	90	871	257	1,015	156
Two Speed Idle (TSI)	Enhanced	Test Only	59,386	4,860	494	294	3,202	1,048	3,766	589
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	58	5	1	0	2	1	4	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	92	14	1	0	11	4	12	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	366	43	6	3	28	13	31	5
Two Speed Idle (TSI)	Partial	Test and Repair	2,797	208	20	12	128	49	155	25
Two Speed Idle (TSI)	Partial	Test Only	1,692	163	23	7	97	39	118	22
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	378	48	7	7	26	15	36	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,345	137	20	14	75	48	103	23

	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 Enhanced Area	410	33	3	3	23	6	26	4
Two Speed Idle (TSI)	Unknown Program	Referee	7	7	3	2	0	5	4	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,744	397	47	29	226	97	315	53
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	620	12	0	1	9	1	10	1
Two Speed Idle (TSI)	Unknown Program	Test Only	4,270	279	44	21	173	85	197	36
UnKnown TestType	Basic	Gold Shield in Basic Area	293	23	0	2	19	23	19	5
UnKnown TestType	Basic	Gold Shield in COO Area	22	2	0	0	1	2	1	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	90	6	0	0	5	6	5	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	4	0	0
UnKnown TestType	Basic	Referee	3	2	0	1	1	2	1	1
UnKnown TestType	Basic	Test and Repair	2,464	111	0	11	82	124	82	34
UnKnown TestType	Basic	Test and Repair Dealer	376	12	0	3	8	14	8	5
UnKnown TestType	Basic	Test Only	419	21	0	7	12	21	12	10
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	94	7	0	2	5	7	5	2
UnKnown TestType	Change of Ownership	Test and Repair	79	3	0	0	3	3	3	0
UnKnown TestType	Change of Ownership	Test Only	39	6	0	3	4	6	4	3
UnKnown TestType	Enhanced	Gold Shield in Basic Area	30	1	0	1	0	1	0	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	79	6	0	1	3	8	3	4
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	1,057	64	0	12	41	78	41	25
UnKnown TestType	Enhanced	Government Fleet	0	2	0	0	2	45	2	0
UnKnown TestType	Enhanced	Referee	14	4	0	2	1	4	1	3
UnKnown TestType	Enhanced	Test and Repair	3,925	173	0	24	136	198	136	44
UnKnown TestType	Enhanced	Test and Repair Dealer	33	2	0	1	1	2	1	1
UnKnown TestType	Enhanced	Test Only	7,148	399	0	90	275	417	275	146
UnKnown TestType	Partial	Gold Shield in COO Area	22	1	0	0	0	1	0	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	171	12	0	0	7	13	7	6
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Referee	2	1	0	0	0	1	0	0
UnKnown TestType	Partial	Test and Repair	1,129	56	0	8	42	58	42	22

	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 Only	569	27	0	6	20	27	20	8
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	11	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	85	4	0	1	2	4	2	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	89	8	0	1	5	12	5	3
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	13	0	0
UnKnown TestType	Unknown Program	Referee	19	8	0	8	0	8	0	8
UnKnown TestType	Unknown Program	Test and Repair	587	15	0	4	9	42	9	7
UnKnown TestType	Unknown Program	Test and Repair Dealer	22	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Test Only	560	14	0	2	9	39	9	5