

Executive Summary Report

SMOG CHECK Statewide

January 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	942,974	111,763	11.85%
Total	1,073,643	142,381	13.26%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	820,980	87.06%	121,994	12.94%
Total	917,223	85.43%	156,420	14.57%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	516,392	86.27%	82,181	13.73%
Total	584,339	85.01%	103,078	14.99%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	11,483	1.22%
All Emissions	52,589	5.58%
All Visual	15,199	1.61%
All Functional	71,140	7.54%
OBDII	49,135	5.21%
Overall	111,763	11.85%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	351,597	320,178
Directed Vehicles	246,976	196,214
Total	598,573	516,392

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	57,577	50,965
Directed Vehicles	20,718	15,659
Total	78,295	66,624

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,497	280	535	30	0	4,342
Test Only	2,629	48	26	1	0	2,704
Basic Area Dealer	0	1	103	0	0	104
Gold Shield	487	27	47	76	0	637
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	6,931	366	758	110	0	8,165

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	756,463	92,392	12.21%	9,258	1.22%
Partially Enhanced	47,726	6,412	13.44%	637	1.33%
Basic	83,501	7,918	9.48%	956	1.14%
Change of Ownership	5,767	757	13.13%	145	2.51%
No Program	4	1	25.00%	0	0.00%
Unknown Program	49,513	4,283	8.65%	487	0.98%
Total Program Area	942,974	111,763	11.85%	11,483	1.22%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	598,573	80,596	13.46%	8,537	1.43%
Regular	259,728	19,443	7.49%	1,714	0.66%
Basic Area Dealer	2,021	82	4.06%	5	0.25%
Gold Shield in Enhanced Area	60,436	9,063	15.00%	894	1.48%
Gold Shield in Basic Area	10,766	1,355	12.59%	175	1.63%
Gold Shield in COO Area	7,093	701	9.88%	104	1.47%
Business Fleet	5	0	0.00%	0	0.00%
Permanent Fleet Registered	34	1	2.94%	0	0.00%
Referee	457	207	45.30%	28	6.13%
Government Fleet	3,861	315	8.16%	26	0.67%
Total	942,974	111,763	11.85%	11,483	1.22%

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-1976	836	236	28.23%	19.14%	7.89%	15.07%	8.97%	0.00%
MY-1977	1,054	293	27.80%	18.79%	6.93%	16.41%	8.82%	0.00%
MY-1978	1,292	377	29.18%	18.65%	8.59%	16.10%	9.06%	0.00%
MY-1979	1,482	421	28.41%	19.77%	6.88%	15.59%	8.97%	0.00%
MY-1980	916	253	27.62%	18.67%	8.08%	14.41%	8.08%	0.00%
MY-1981	982	321	32.69%	26.48%	9.78%	15.38%	9.16%	0.00%
MY-1982	1,132	340	30.04%	23.67%	8.83%	13.87%	7.77%	0.00%
MY-1983	1,329	461	34.69%	27.84%	10.01%	16.03%	9.71%	0.00%
MY-1984	2,677	896	33.47%	27.08%	9.71%	14.68%	7.88%	0.00%
MY-1985	3,790	1,307	34.49%	27.02%	10.05%	16.89%	8.10%	0.00%
MY-1986	5,050	1,553	30.75%	23.64%	8.75%	15.80%	7.29%	0.00%
MY-1987	6,030	1,893	31.39%	24.41%	7.81%	15.01%	6.05%	0.00%
MY-1988	7,350	2,308	31.40%	24.50%	7.06%	14.41%	5.55%	0.00%
MY-1989	10,478	3,114	29.72%	22.57%	6.19%	14.10%	5.69%	0.00%
MY-1990	13,193	3,664	27.77%	21.21%	5.36%	12.78%	4.47%	0.00%
MY-1991	15,619	4,244	27.17%	20.67%	5.01%	12.48%	4.21%	0.00%
MY-1992	16,126	4,457	27.64%	21.42%	5.35%	11.71%	3.99%	0.00%
MY-1993	20,017	5,773	28.84%	23.19%	4.21%	11.09%	3.89%	0.00%
MY-1994	25,710	6,546	25.46%	19.68%	3.33%	10.21%	3.79%	0.00%
MY-1995	28,543	7,188	25.18%	19.14%	3.24%	9.82%	3.62%	0.00%
MY-1996	34,403	6,365	18.50%	9.21%	1.42%	11.35%	2.30%	10.13%
MY-1997	37,308	6,860	18.39%	8.59%	1.49%	11.81%	2.10%	10.76%
MY-1998	52,182	7,122	13.65%	5.37%	0.87%	9.24%	1.66%	8.51%
MY-1999	50,102	6,473	12.92%	4.20%	0.66%	9.38%	1.71%	8.79%
MY-2000	84,935	8,012	9.43%	2.29%	0.46%	7.32%	1.13%	7.03%
MY-2001	54,105	7,365	13.61%	2.03%	0.38%	12.10%	1.23%	11.92%
MY-2002	91,950	7,288	7.93%	1.09%	0.22%	6.86%	0.83%	6.73%
MY-2003	52,140	4,746	9.10%	1.31%	0.30%	7.93%	0.95%	7.84%
MY-2004	103,137	4,688	4.55%	0.54%	0.11%	3.93%	0.50%	3.84%
MY-2005	50,182	2,819	5.62%	0.65%	0.11%	4.92%	0.61%	4.86%
MY-2006	113,559	3,387	2.98%	0.28%	0.05%	2.55%	0.35%	2.51%
MY-2007	17,115	367	2.14%	0.48%	0.05%	1.80%	0.24%	1.77%
MY-2008	20,667	395	1.91%	0.38%	0.05%	1.65%	0.08%	1.62%
MY-2009	4,647	73	1.57%	0.37%	0.02%	1.33%	0.11%	1.29%
MY-2010	6,808	84	1.23%	0.16%	0.01%	1.12%	0.06%	1.06%
MY-2011	5,040	51	1.01%	0.22%	0.00%	0.85%	0.06%	0.79%
MY-2012	1,087	23	2.12%	0.18%	0.00%	1.93%	0.09%	1.93%
All Model Years	942,974	111,763	11.85%	5.58%	1.22%	7.54%	1.61%	5.21%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	452
Certificate of Non Compliance	1
Parts Cost	197
Hardship Extensions	0
Exempt Vehicle	43
Exempted by Directive	4
Parts Exemption	13
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	710

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,062
Stations Locked-Out at Least Once	1,040
Stations Conducted at Least One Test	7,103

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,064	5,840
EA	Gas Endorsement	9	0
EB	Both Endorsement	41	0
EB	Gas Endorsement	451	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	504,726	47.30	77,553	48.35	582,279	47.44
Test and Repair	159,302	47.85	91,428	47.24	250,730	47.63
Test and Repair Dealer	18	56.06	1,805	52.60	1,823	52.63
Referee	177	30.00	77	30.00	254	30.00
Gold Shield in Enhanced Area	50,674	46.36	8,436	48.10	59,110	46.61
Gold Shield in Basic Area	462	60.49	9,969	38.32	10,431	39.30
Gold Shield in COO Area	1,488	54.15	5,352	47.67	6,840	49.08

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	4,171	23.00	16,349	274.92
	\$51-150	3,379	100.69		
	\$151-250	2,505	200.73		
	\$251-450	3,360	340.37		
	Over \$450	2,934	822.11		
CAP Repairs	\$1-50	55	21.91	2,004	404.89
	\$51-150	140	105.55		
	\$151-250	195	208.43		
	\$251-450	599	361.38		
	Over \$450	1,015	530.34		
Total Repairs	\$1-50	3,444	23.28	16,921	313.58
	\$51-150	3,196	101.23		
	\$151-250	2,533	201.26		
	\$251-450	3,769	342.81		
	Over \$450	3,979	779.23		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	1,903	404.89

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	17	2	0	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	71	9	0	0	3	7	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	70	15	0	1	7	6	11	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	10	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	310	62	7	4	21	36	33	10
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,103	169	12	9	82	72	112	22
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	37,702	7,130	696	397	3,240	3,259	4,629	997
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	72	5	0	52	16	57	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	113	126	16	62	27	57	65	78
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	113,371	8,295	598	541	4,875	2,781	6,002	1,014
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	409,949	69,645	7,342	4,453	27,382	36,564	41,771	9,237
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	69	17	1	1	8	8	10	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	116	26	1	2	13	11	16	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,073	702	64	55	305	323	446	98
Acceleration Simulation Mode (ASM)	Partial	Referee	4	7	2	3	2	3	3	3
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,828	3,009	287	163	1,186	1,520	1,762	358
Acceleration Simulation Mode (ASM)	Partial	Test Only	12,546	2,133	233	137	833	1,095	1,256	297
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	52	10	0	1	4	6	6	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,498	245	22	27	127	102	166	45
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	208	19	0	28	164	50	5
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	13	23	4	9	8	12	17	12
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,604	979	88	62	519	407	641	128

	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	14,314	1,944	261	153	876	993	1,197	289
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,528	1,118	148	84	473	335	773	222
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	217	21	5	2	10	7	15	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,316	220	32	24	109	64	166	43
Two Speed Idle (TSI)	Basic	Government Fleet	0	10	0	0	8	2	8	0
Two Speed Idle (TSI)	Basic	Referee	21	22	4	11	6	7	15	13
Two Speed Idle (TSI)	Basic	Test and Repair	50,453	4,832	557	285	2,292	1,301	3,620	678
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	1,302	62	5	1	29	12	47	7
Two Speed Idle (TSI)	Basic	Test Only	10,384	1,440	205	107	674	441	1,066	254
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	55	17	2	2	9	3	14	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,787	289	64	27	105	125	186	42
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	99	17	2	2	7	6	13	5
Two Speed Idle (TSI)	Change of Ownership	Referee	1	4	1	2	0	2	4	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,741	233	33	17	112	80	177	33
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,042	181	43	16	61	77	119	41
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	577	58	9	4	29	19	40	9
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,346	68	6	3	40	21	50	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,376	578	67	33	397	113	472	74
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	12	2	0	9	2	10	0
Two Speed Idle (TSI)	Enhanced	Test and Repair	23,375	1,156	84	75	839	181	966	118
Two Speed Idle (TSI)	Enhanced	Test Only	55,346	4,440	414	254	2,978	903	3,546	513
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	80	2	1	0	0	1	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	351	47	7	4	27	11	38	7
Two Speed Idle (TSI)	Partial	Government Fleet	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Test and Repair	2,570	209	28	13	120	49	159	33
Two Speed Idle (TSI)	Partial	Test Only	1,438	140	13	8	86	31	105	23
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	401	53	8	8	21	10	39	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,401	99	15	15	44	38	68	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	412	38	4	2	22	5	33	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
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	9	0	0	8	1	8	0
Two Speed Idle (TSI)	Unknown Program	Referee	8	3	1	0	1	2	1	1
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,614	383	39	32	216	93	287	58
Two Speed Idle (TSI)	Unknown Program	Test Only	4,101	253	26	25	160	66	189	37
UnKnown TestType	Basic	Gold Shield in Basic Area	253	17	0	4	9	18	9	8
UnKnown TestType	Basic	Gold Shield in Enhanced Area	64	8	0	1	6	8	6	3
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	7	0	0
UnKnown TestType	Basic	Referee	6	4	0	4	0	3	0	4
UnKnown TestType	Basic	Test and Repair	2,225	113	0	15	85	127	85	29
UnKnown TestType	Basic	Test and Repair Dealer	149	5	0	1	2	6	2	3
UnKnown TestType	Basic	Test Only	332	20	0	3	12	20	12	9
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	85	7	0	2	4	7	4	4
UnKnown TestType	Change of Ownership	Test and Repair	74	3	0	0	3	3	3	0
UnKnown TestType	Change of Ownership	Test Only	34	2	0	0	1	2	1	1
UnKnown TestType	Enhanced	Gold Shield in Basic Area	29	3	0	0	3	3	3	0
UnKnown TestType	Enhanced	Gold Shield in COO Area	59	7	0	0	6	7	6	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	860	59	0	13	36	66	36	25
UnKnown TestType	Enhanced	Government Fleet	0	2	0	0	2	55	2	0
UnKnown TestType	Enhanced	Referee	17	4	0	4	0	5	0	4
UnKnown TestType	Enhanced	Test and Repair	3,326	150	0	21	113	224	113	48
UnKnown TestType	Enhanced	Test and Repair Dealer	21	2	0	0	1	3	1	1
UnKnown TestType	Enhanced	Test Only	5,897	338	0	65	246	362	246	114
UnKnown TestType	Partial	Gold Shield in Basic Area	12	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in COO Area	11	3	0	1	2	3	2	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	136	14	0	0	12	14	12	2
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	2	0	0
UnKnown TestType	Partial	Test and Repair	973	59	0	16	38	60	38	27
UnKnown TestType	Partial	Test Only	466	30	0	12	13	33	13	19
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	15	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	Unknown Program	Gold Shield in Enhanced Area	74	3	0	0	3	5	3	1
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	0	13	0	1
UnKnown TestType	Unknown Program	Referee	25	1	0	1	0	1	0	1
UnKnown TestType	Unknown Program	Test and Repair	545	11	0	3	6	44	6	5
UnKnown TestType	Unknown Program	Test and Repair Dealer	9	0	0	0	0	2	0	0
UnKnown TestType	Unknown Program	Test Only	462	14	0	5	9	31	9	6