

Executive Summary Report

SMOG CHECK Statewide

November 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	821,345	95,045	11.57%
Total	935,369	120,647	12.90%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	714,578	87.00%	106,767	13.00%
Total	799,947	85.52%	135,422	14.48%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	456,084	86.43%	71,592	13.57%
Total	518,174	85.17%	90,258	14.83%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	9,801	1.19%
All Emissions	43,762	5.33%
All Visual	14,237	1.73%
All Functional	60,066	7.31%
OBDII	41,513	5.05%
Overall	95,045	11.57%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	307,191	279,259
Directed Vehicles	220,485	176,825
Total	527,676	456,084

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	45,572	39,924
Directed Vehicles	17,849	13,679
Total	63,421	53,603

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,460	291	549	29	0	4,329
Test Only	2,624	48	27	1	0	2,700
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	442	25	39	77	0	583
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	15	0	2	0	0	17
Total	6,857	374	765	110	0	8,106

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	653,816	78,759	12.05%	7,798	1.19%
Partially Enhanced	42,657	5,269	12.35%	590	1.38%
Basic	74,415	6,614	8.89%	812	1.09%
Change of Ownership	5,158	732	14.19%	138	2.68%
No Program	7	1	14.29%	0	0.00%
Unknown Program	45,292	3,670	8.10%	463	1.02%
Total Program Area	821,345	95,045	11.57%	9,801	1.19%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	527,676	69,251	13.12%	7,216	1.37%
Regular	223,111	16,405	7.35%	1,500	0.67%
Basic Area Dealer	4,400	150	3.41%	18	0.41%
Gold Shield in Enhanced Area	48,735	7,133	14.64%	762	1.56%
Gold Shield in Basic Area	8,418	961	11.42%	139	1.65%
Gold Shield in COO Area	6,268	791	12.62%	119	1.90%
Permanent Fleet Registered	40	1	2.50%	0	0.00%
Referee	357	161	45.10%	23	6.44%
Government Fleet	2,340	192	8.21%	24	1.03%
Total	821,345	95,045	11.57%	9,801	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-1975	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
MY-1976	605	187	30.91%	22.98%	10.58%	15.04%	9.09%	0.00%
MY-1977	967	291	30.09%	19.44%	6.93%	17.58%	9.31%	0.00%
MY-1978	1,037	280	27.00%	16.59%	6.56%	15.72%	8.49%	0.00%
MY-1979	1,327	433	32.63%	22.83%	10.02%	17.03%	9.04%	0.00%
MY-1980	717	210	29.29%	19.53%	8.65%	17.57%	9.76%	0.00%
MY-1981	844	266	31.52%	25.12%	10.19%	14.10%	8.53%	0.00%
MY-1982	979	297	30.34%	22.88%	8.68%	15.53%	8.68%	0.00%
MY-1983	1,072	342	31.90%	24.16%	8.96%	15.95%	9.51%	0.00%
MY-1984	2,257	756	33.50%	26.45%	10.10%	15.51%	8.68%	0.00%
MY-1985	2,951	1,001	33.92%	26.67%	9.56%	16.30%	7.93%	0.00%
MY-1986	4,278	1,316	30.76%	22.95%	8.25%	14.89%	7.62%	0.00%
MY-1987	5,345	1,665	31.15%	23.84%	7.61%	14.61%	6.21%	0.00%
MY-1988	5,906	1,756	29.73%	22.06%	7.21%	14.31%	5.74%	0.00%
MY-1989	8,525	2,431	28.52%	21.26%	6.11%	13.69%	5.63%	0.00%
MY-1990	10,361	2,903	28.02%	21.19%	5.66%	12.83%	4.85%	0.00%
MY-1991	13,236	3,553	26.84%	20.37%	5.29%	12.26%	4.39%	0.00%
MY-1992	12,914	3,472	26.89%	20.40%	5.22%	11.78%	4.13%	0.00%
MY-1993	16,398	4,817	29.38%	23.20%	4.71%	11.55%	4.11%	0.00%
MY-1994	20,806	5,330	25.62%	18.97%	3.51%	10.64%	3.98%	0.00%
MY-1995	23,968	5,981	24.95%	18.59%	3.38%	9.77%	3.75%	0.00%
MY-1996	27,867	5,328	19.12%	9.72%	1.32%	11.19%	2.71%	9.93%
MY-1997	29,825	5,695	19.09%	8.97%	1.47%	11.94%	2.44%	10.56%
MY-1998	45,197	6,328	14.00%	5.49%	0.96%	9.27%	2.04%	8.40%
MY-1999	39,095	4,878	12.48%	4.19%	0.69%	8.74%	1.90%	8.04%
MY-2000	73,031	7,598	10.40%	2.63%	0.51%	7.90%	1.45%	7.54%
MY-2001	46,284	5,553	12.00%	2.11%	0.36%	10.14%	1.40%	9.94%
MY-2002	86,616	7,483	8.64%	1.26%	0.27%	7.35%	1.04%	7.21%
MY-2003	42,997	3,251	7.56%	1.24%	0.27%	6.27%	1.05%	6.13%
MY-2004	92,849	5,001	5.39%	0.64%	0.12%	4.58%	0.68%	4.48%
MY-2005	33,401	1,584	4.74%	0.78%	0.13%	4.06%	0.52%	3.99%
MY-2006	106,594	3,954	3.71%	0.42%	0.07%	3.11%	0.48%	3.07%
MY-2007	25,920	585	2.26%	0.38%	0.03%	1.95%	0.21%	1.90%
MY-2008	13,492	233	1.73%	0.81%	0.05%	1.37%	0.23%	1.34%
MY-2009	5,092	93	1.83%	0.77%	0.06%	1.61%	0.10%	1.53%
MY-2010	5,197	54	1.04%	0.46%	0.08%	0.75%	0.15%	0.73%
MY-2011	6,944	69	0.99%	0.30%	0.01%	0.79%	0.09%	0.75%
MY-2012	5,873	57	0.97%	0.27%	0.03%	0.80%	0.09%	0.78%
MY-2013	576	13	2.26%	0.17%	0.00%	2.08%	0.00%	2.08%
MY-2014	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	821,345	95,045	11.57%	5.33%	1.19%	7.31%	1.73%	5.05%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	329
Certificate of Non Compliance	0
Parts Cost	128
Hardship Extensions	2
Exempt Vehicle	22
Exempted by Directive	4
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	490

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	984
Stations Locked-Out at Least Once	949
Stations Conducted at Least One Test	7,122

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	8,252	4,844
EA	Gas Endorsement	6	0
EB	Both Endorsement	30	0
EB	Gas Endorsement	343	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	440,256	46.91	72,302	47.79	512,558	47.03
Test and Repair	134,207	47.32	78,168	45.91	212,375	46.80
Test and Repair Dealer	13	81.00	4,008	52.75	4,021	52.84
Referee	141	30.00	54	30.00	195	30.00
Gold Shield in Enhanced Area	40,344	46.11	7,173	47.66	47,517	46.35
Gold Shield in Basic Area	329	62.45	7,762	37.73	8,091	38.74
Gold Shield in COO Area	1,526	54.78	4,448	51.31	5,974	52.20

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	2,692	23.03	12,731	301.68
	\$51-150	2,722	100.69		
	\$151-250	2,046	202.07		
	\$251-450	2,652	342.05		
	Over \$450	2,619	833.93		
CAP Repairs	\$1-50	60	22.45	888	388.43
	\$51-150	85	103.55		
	\$151-250	108	203.73		
	\$251-450	223	354.47		
	Over \$450	412	567.30		
Total Repairs	\$1-50	2,656	23.07	12,941	323.44
	\$51-150	2,472	99.66		
	\$151-250	1,964	202.57		
	\$251-450	2,765	343.75		
	Over \$450	3,084	820.26		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	851	388.43

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	68	3	0	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	70	13	3	0	5	10	6	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 and Repair	6	3	1	0	2	1	3	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	4	3	2	0	0	3	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	251	29	4	3	10	14	15	6
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	983	203	25	12	79	113	128	32
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	29,991	5,613	540	410	2,452	2,630	3,528	883
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	47	1	1	30	15	32	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	88	103	12	37	26	44	54	55
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	92,984	6,922	488	528	3,978	2,294	4,932	986
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	356,193	59,577	6,185	4,348	23,377	30,031	35,657	8,883
Acceleration Simulation Mode (ASM)	No Program	Test Only	4	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	22	18	5	0	10	12	13	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	225	41	4	0	21	22	27	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,175	545	96	44	229	281	357	88
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Referee	6	6	2	0	1	4	4	1
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,818	2,461	250	122	934	1,295	1,398	268
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	5	2	1	0	0	2	0	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,414	1,776	181	133	698	912	1,028	244
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	38	5	0	0	2	2	2	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)	Unknown Program	Gold Shield in Enhanced Area	1,318	194	21	25	84	87	120	29
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	102	18	2	29	67	36	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	13	8	2	3	3	3	5	6
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,178	879	92	81	427	384	561	142
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,258	1,646	234	160	723	818	1,034	311
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,865	791	111	64	355	237	565	148
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	206	14	0	1	3	3	9	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,181	201	37	18	102	70	150	34
Two Speed Idle (TSI)	Basic	Government Fleet	0	17	2	0	12	5	13	0
Two Speed Idle (TSI)	Basic	Referee	10	21	3	8	11	6	15	11
Two Speed Idle (TSI)	Basic	Test and Repair	43,412	4,142	496	256	1,938	1,201	3,035	575
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	2,913	105	13	3	55	25	80	9
Two Speed Idle (TSI)	Basic	Test Only	9,436	1,169	147	99	536	346	802	206
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	49	17	7	2	1	8	12	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,750	303	56	22	136	103	224	38
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	97	20	5	1	6	8	14	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,382	188	28	12	75	65	132	29
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	26	3	1	0	2	1	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	881	182	38	15	60	74	125	34
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	542	47	8	5	25	13	33	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	690	93	11	6	55	25	72	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,448	425	53	38	265	94	326	71
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	18	3	0	8	9	9	0
Two Speed Idle (TSI)	Enhanced	Referee	21	10	3	6	2	3	5	7
Two Speed Idle (TSI)	Enhanced	Test and Repair	19,559	1,041	77	58	748	168	869	117
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	332	14	1	1	10	2	11	1
Two Speed Idle (TSI)	Enhanced	Test Only	51,757	4,172	387	285	2,837	793	3,298	545

	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 Basic Area	38	5	1	0	3	2	3	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	68	11	3	2	3	5	5	3
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	282	37	3	2	26	4	32	2
Two Speed Idle (TSI)	Partial	Test and Repair	2,246	177	30	11	115	40	140	24
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	26	4	2	0	3	2	3	0
Two Speed Idle (TSI)	Partial	Test Only	1,442	102	12	9	61	24	73	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	281	37	3	5	10	11	24	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,070	106	20	10	37	50	57	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	374	38	7	5	22	11	28	8
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	4	0	0	3	1	3	0
Two Speed Idle (TSI)	Unknown Program	Referee	6	3	1	1	2	1	2	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,826	332	38	24	198	81	257	53
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	483	11	0	1	5	2	8	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,853	266	27	23	167	65	190	43
UnKnown TestType	Basic	Gold Shield in Basic Area	251	15	0	2	9	19	9	7
UnKnown TestType	Basic	Gold Shield in Enhanced Area	75	3	0	0	3	4	3	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	9	0	0
UnKnown TestType	Basic	Referee	5	1	0	1	0	1	0	1
UnKnown TestType	Basic	Test and Repair	2,161	91	0	14	68	126	68	26
UnKnown TestType	Basic	Test and Repair Dealer	307	8	0	3	2	9	2	6
UnKnown TestType	Basic	Test Only	406	19	0	3	13	20	13	6
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	75	8	0	4	3	8	3	5
UnKnown TestType	Change of Ownership	Test and Repair	68	3	0	0	3	3	3	0
UnKnown TestType	Change of Ownership	Test and Repair Dealer	10	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Gold Shield in Basic Area	33	0	0	0	0	1	0	0
UnKnown TestType	Enhanced	Gold Shield in COO Area	70	3	0	1	3	3	3	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	802	38	0	6	30	46	30	9
UnKnown TestType	Enhanced	Government Fleet	0	1	0	0	1	48	1	0
UnKnown TestType	Enhanced	Referee	4	4	0	3	0	4	0	3

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UnKnown TestType	Enhanced	Test and Repair	3,309	110	0	12	80	244	80	32
UnKnown TestType	Enhanced	Test and Repair Dealer	23	0	0	0	0	4	0	0
UnKnown TestType	Enhanced	Test Only	6,382	287	0	53	206	334	206	93
UnKnown TestType	Partial	Gold Shield in COO Area	28	1	0	0	0	2	0	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	132	10	0	2	7	12	7	3
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	4	0	0
UnKnown TestType	Partial	Test and Repair	1,041	45	0	4	31	53	31	17
UnKnown TestType	Partial	Test and Repair Dealer	8	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	480	25	0	4	14	34	14	13
UnKnown TestType	Unknown Program	Gold Shield in COO Area	77	3	0	0	2	9	2	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	50	8	0	3	3	10	3	5
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	38	0	0
UnKnown TestType	Unknown Program	Referee	15	5	0	3	1	5	1	5
UnKnown TestType	Unknown Program	Test and Repair	469	8	0	4	5	67	5	4
UnKnown TestType	Unknown Program	Test Only	475	13	0	3	7	36	7	6