

Executive Summary Report

SMOG CHECK Statewide

Third Quarter 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,849,783	331,901	11.65%
Total	3,248,454	423,486	13.04%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,494,575	87.54%	355,208	12.46%
Total	2,791,302	85.93%	457,152	14.07%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,578,921	86.54%	245,570	13.46%
Total	1,793,202	85.17%	312,340	14.83%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	35,058	1.23%
All Emissions	161,811	5.68%
All Visual	46,536	1.63%
All Functional	202,555	7.11%
OBDII	137,926	4.84%
Overall	331,901	11.65%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	1,133,798	1,035,263
Directed Vehicles	690,693	543,658
Total	1,824,491	1,578,921

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	168,978	150,381
Directed Vehicles	56,712	42,295
Total	225,690	192,676

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,502	295	556	28	0	4,381
Test Only	2,695	51	28	1	0	2,775
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	457	25	38	76	0	596
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	8	0	2	0	0	10
Total	6,978	381	772	108	0	8,239

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,278,126	275,327	12.09%	28,301	1.24%
Partially Enhanced	144,944	18,586	12.82%	1,906	1.31%
Basic	257,567	22,947	8.91%	2,906	1.13%
Change of Ownership	17,659	2,320	13.14%	493	2.79%
No Program	16	4	25.00%	0	0.00%
Unknown Program	151,471	12,717	8.40%	1,452	0.96%
Total Program Area	2,849,783	331,901	11.65%	35,058	1.23%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,824,491	241,038	13.21%	26,031	1.43%
Regular	777,737	57,690	7.42%	5,085	0.65%
Basic Area Dealer	15,401	496	3.22%	39	0.25%
Gold Shield in Enhanced Area	172,158	25,241	14.66%	2,760	1.60%
Gold Shield in Basic Area	32,109	3,767	11.73%	503	1.57%
Gold Shield in COO Area	21,423	2,641	12.33%	497	2.32%
Business Fleet	8	0	0.00%	0	0.00%
Permanent Fleet Registered	166	13	7.83%	0	0.00%
Referee	1,287	598	46.46%	97	7.54%
Government Fleet	5,002	416	8.32%	46	0.92%
Unknown Privilege	1	1	100.00%	0	0.00%
Total	2,849,783	331,901	11.65%	35,058	1.23%

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-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1952	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1955	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1963	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	2,593	828	31.93%	23.02%	9.53%	16.12%	10.07%	0.00%
MY-1977	3,567	1,094	30.67%	20.33%	8.27%	15.76%	9.17%	0.00%
MY-1978	3,875	1,160	29.94%	20.28%	8.10%	16.00%	8.75%	0.00%
MY-1979	4,268	1,352	31.68%	23.13%	9.70%	16.71%	9.30%	0.00%
MY-1980	2,590	802	30.97%	21.81%	10.58%	16.64%	8.49%	0.00%
MY-1981	2,977	981	32.95%	26.00%	11.12%	16.53%	9.51%	0.00%
MY-1982	3,301	1,047	31.72%	23.93%	9.42%	16.03%	8.45%	0.00%
MY-1983	4,669	1,494	32.00%	24.84%	9.47%	14.99%	8.67%	0.00%
MY-1984	7,869	2,616	33.24%	26.23%	10.50%	15.63%	8.08%	0.00%
MY-1985	11,043	3,587	32.48%	25.67%	9.54%	15.34%	7.45%	0.00%
MY-1986	16,608	5,111	30.77%	23.26%	8.45%	14.73%	6.58%	0.00%
MY-1987	17,574	5,519	31.40%	24.71%	8.07%	13.95%	6.24%	0.00%
MY-1988	22,494	6,750	30.01%	23.14%	7.44%	13.91%	5.60%	0.00%
MY-1989	30,818	8,920	28.94%	21.61%	5.84%	13.59%	4.85%	0.00%
MY-1990	38,272	10,666	27.87%	21.51%	5.74%	12.26%	4.54%	0.00%
MY-1991	46,803	12,524	26.76%	20.61%	5.34%	11.70%	3.76%	0.00%
MY-1992	47,595	12,790	26.87%	20.67%	5.26%	11.07%	3.94%	0.00%
MY-1993	59,246	17,138	28.93%	23.07%	4.57%	11.14%	3.83%	0.00%
MY-1994	79,105	19,893	25.15%	19.27%	3.42%	9.86%	3.52%	0.00%
MY-1995	82,914	20,673	24.93%	18.93%	3.32%	9.70%	3.53%	0.00%
MY-1996	106,777	20,121	18.84%	9.87%	1.32%	10.74%	2.44%	9.49%
MY-1997	107,282	19,998	18.64%	9.07%	1.34%	11.34%	2.31%	10.05%
MY-1998	168,299	22,727	13.50%	5.73%	0.88%	8.54%	1.76%	7.76%
MY-1999	133,728	17,112	12.80%	4.51%	0.71%	8.95%	1.79%	8.32%
MY-2000	278,850	26,535	9.52%	2.56%	0.46%	7.08%	1.23%	6.76%
MY-2001	134,921	16,968	12.58%	2.31%	0.39%	10.68%	1.31%	10.48%
MY-2002	323,184	26,047	8.06%	1.25%	0.22%	6.73%	0.94%	6.60%
MY-2003	120,632	9,938	8.24%	1.62%	0.25%	6.83%	1.01%	6.72%
MY-2004	355,151	16,987	4.78%	0.65%	0.10%	4.03%	0.55%	3.95%
MY-2005	96,088	4,741	4.93%	0.93%	0.13%	4.05%	0.60%	3.99%
MY-2006	372,885	12,730	3.41%	0.53%	0.06%	2.78%	0.40%	2.74%
MY-2007	53,074	1,262	2.38%	0.56%	0.08%	1.83%	0.31%	1.80%
MY-2008	45,579	849	1.86%	0.51%	0.03%	1.49%	0.18%	1.46%
MY-2009	16,328	321	1.97%	0.59%	0.04%	1.54%	0.22%	1.52%
MY-2010	17,119	227	1.33%	0.27%	0.01%	1.00%	0.22%	0.97%
MY-2011	19,446	221	1.14%	0.35%	0.01%	0.94%	0.06%	0.90%
MY-2012	11,612	151	1.30%	0.33%	0.01%	0.99%	0.16%	0.96%
MY-2013	642	21	3.27%	0.00%	0.00%	3.27%	0.00%	3.27%
All Model Years	2,849,783	331,901	11.65%	5.68%	1.23%	7.11%	1.63%	4.84%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,216
Certificate of Non Compliance	2
Parts Cost	278
Hardship Extensions	31
Exempt Vehicle	91
Exempted by Directive	11
Parts Exemption	32
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,661

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	938
Stations Locked-Out at Least Once	1,384
Stations Conducted at Least One Test	7,301

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,717	5,691
EA	Gas Endorsement	9	0
EB	Both Endorsement	42	0
EB	Gas Endorsement	463	0
EU	Gas Endorsement	2	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	1,531,472	46.96	239,495	47.85	1,770,967	47.08
Test and Repair	480,983	47.01	268,658	45.78	749,641	46.57
Test and Repair Dealer	33	78.12	14,223	53.79	14,256	53.85
Referee	533	30.00	201	30.00	734	30.00
Gold Shield in Enhanced Area	143,838	46.12	24,245	47.84	168,083	46.37
Gold Shield in Basic Area	1,365	59.07	29,493	38.62	30,858	39.53
Gold Shield in COO Area	5,754	54.72	14,760	50.92	20,514	51.99

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	9,979	23.02	45,106	294.91
	\$51-150	9,413	101.25		
	\$151-250	7,245	201.56		
	\$251-450	9,541	340.11		
	Over \$450	8,928	830.42		
CAP Repairs	\$1-50	157	24.93	2,280	382.49
	\$51-150	283	104.34		
	\$151-250	252	203.98		
	\$251-450	607	352.54		
	Over \$450	981	584.34		
Total Repairs	\$1-50	9,946	23.08	45,688	310.24
	\$51-150	8,781	100.60		
	\$151-250	7,061	201.81		
	\$251-450	9,836	340.89		
	Over \$450	10,064	823.06		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,154	382.49

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	31	5	1	0	2	3	4	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	4	1	3	0	2	3	3

	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	239	34	2	0	15	18	21	2
Acceleration Simulation Mode (ASM)	Basic	Test Only	250	38	8	4	13	26	20	8
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in COO Area	4	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	3	4	0	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	32	4	1	0	3	1	3	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	39	10	4	1	3	6	7	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	962	156	10	12	53	82	80	28
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	3,729	740	89	38	303	380	454	90
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	107,796	20,348	2,179	1,443	8,377	10,216	12,392	3,025
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	117	3	3	78	35	85	3
Acceleration Simulation Mode (ASM)	Enhanced	Referee	314	372	60	152	80	196	205	217
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	343,484	25,217	1,706	1,784	14,120	8,956	17,302	3,266
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,241,546	207,841	22,416	13,642	76,930	111,897	119,398	28,397
Acceleration Simulation Mode (ASM)	No Program	Test Only	6	4	0	0	1	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	170	46	6	1	19	29	24	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	837	152	18	7	68	79	87	11
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,885	1,579	191	88	648	812	965	186
Acceleration Simulation Mode (ASM)	Partial	Referee	16	31	7	11	10	16	23	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	57,680	8,867	849	483	3,287	4,760	4,983	1,020
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	23	1	0	0	1	1	1	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)	Partial	Test Only	39,119	6,550	713	436	2,379	3,530	3,668	863
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	2	5	1	0	0	4	2	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	246	16	2	0	7	7	10	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,614	757	95	76	328	371	472	139
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	234	35	0	29	196	46	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	40	45	7	24	7	25	27	27
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	37,181	2,833	269	226	1,396	1,258	1,806	415
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	47,671	5,919	733	491	2,678	2,987	3,639	915
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	22,421	3,091	423	256	1,210	915	2,122	658
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	697	77	18	3	40	31	55	11
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,750	594	95	46	274	202	424	95
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	2	0	7	2	7	0
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	2	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Basic	Referee	47	64	9	33	10	23	35	41
Two Speed Idle (TSI)	Basic	Test and Repair	150,471	13,919	1,728	839	6,305	4,180	10,044	1,984
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	10,573	385	36	20	206	82	283	51
Two Speed Idle (TSI)	Basic	Test Only	33,255	4,183	583	327	1,819	1,343	2,873	680
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	195	39	6	5	10	14	23	9
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,784	970	251	59	333	460	611	127
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	326	69	12	6	29	25	50	16
Two Speed Idle (TSI)	Change of Ownership	Referee	5	6	3	2	1	3	4	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,959	619	111	62	247	212	456	124
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	100	7	0	1	5	1	5	1
Two Speed Idle (TSI)	Change of Ownership	Test Only	3,168	560	104	51	216	205	393	107

	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)	Enhanced	Gold Shield in Basic Area	2,039	179	27	32	64	56	113	50
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	2,759	247	41	12	135	77	178	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	15,567	1,469	160	110	909	335	1,135	210
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	30	5	0	16	12	18	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	78	4	0	0	2	1	3	1
Two Speed Idle (TSI)	Enhanced	Referee	71	31	5	9	13	7	22	13
Two Speed Idle (TSI)	Enhanced	Test and Repair	67,479	3,449	253	215	2,384	591	2,804	421
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,223	33	0	1	22	6	27	3
Two Speed Idle (TSI)	Enhanced	Test Only	169,468	13,299	1,347	850	8,623	2,807	10,288	1,698
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	194	18	2	3	7	4	13	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	229	32	4	3	19	8	24	4
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	929	103	15	4	54	27	80	17
Two Speed Idle (TSI)	Partial	Referee	2	5	1	2	3	1	5	3
Two Speed Idle (TSI)	Partial	Test and Repair	7,691	555	65	33	314	134	421	71
Two Speed Idle (TSI)	Partial	Test Only	4,804	369	35	34	225	75	280	63
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,171	170	28	21	77	49	117	47
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,519	361	73	32	171	149	249	50
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,355	86	12	10	56	20	63	14
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	15	1	0	12	3	12	0
Two Speed Idle (TSI)	Unknown Program	Referee	25	11	4	6	2	4	10	10
Two Speed Idle (TSI)	Unknown Program	Test and Repair	16,500	1,163	101	100	694	273	891	176
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,569	34	3	3	22	4	28	5
Two Speed Idle (TSI)	Unknown Program	Test Only	14,285	903	88	82	589	196	689	131
UnKnown TestType	Basic	Gold Shield in Basic Area	912	53	0	5	36	54	36	20
UnKnown TestType	Basic	Gold Shield in COO Area	75	7	0	1	4	7	4	3
UnKnown TestType	Basic	Gold Shield in Enhanced Area	226	10	0	1	8	10	8	2
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Basic	Referee	6	5	0	5	0	6	1	5
UnKnown TestType	Basic	Test and Repair	6,627	357	0	40	275	387	275	94

	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	Basic	Test and Repair Dealer	925	30	0	7	21	34	21	11
UnKnown TestType	Basic	Test Only	1,314	81	0	17	49	84	49	36
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	241	15	0	3	9	15	9	6
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	11	1	0	0	1	2	1	0
UnKnown TestType	Change of Ownership	Referee	1	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Test and Repair	216	7	0	0	3	7	3	4
UnKnown TestType	Change of Ownership	Test Only	112	7	0	2	5	7	5	3
UnKnown TestType	Enhanced	Gold Shield in Basic Area	60	7	0	0	4	8	4	3
UnKnown TestType	Enhanced	Gold Shield in COO Area	198	13	0	4	8	24	8	5
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,687	179	0	18	137	203	137	52
UnKnown TestType	Enhanced	Government Fleet	0	4	0	0	4	94	4	0
UnKnown TestType	Enhanced	Referee	47	8	0	8	1	8	2	8
UnKnown TestType	Enhanced	Test and Repair	10,339	460	0	55	349	576	349	124
UnKnown TestType	Enhanced	Test and Repair Dealer	69	2	0	0	2	2	2	0
UnKnown TestType	Enhanced	Test Only	20,623	1,116	0	193	764	1,196	764	413
UnKnown TestType	Partial	Gold Shield in Basic Area	18	2	0	0	2	2	2	0
UnKnown TestType	Partial	Gold Shield in COO Area	96	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	418	26	0	1	21	28	21	7
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	3	0	0
UnKnown TestType	Partial	Referee	1	1	0	1	0	1	0	1
UnKnown TestType	Partial	Test and Repair	3,057	153	0	14	111	175	111	49
UnKnown TestType	Partial	Test and Repair Dealer	32	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	1,576	86	0	18	49	91	49	41
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	42	1	0	1	0	2	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	232	9	0	4	5	11	5	5
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	230	11	0	3	5	15	5	7
UnKnown TestType	Unknown Program	Government Fleet	0	2	0	0	2	47	2	0
UnKnown TestType	Unknown Program	Referee	41	14	0	14	0	14	0	14
UnKnown TestType	Unknown Program	Test and Repair	1,527	53	0	14	32	98	32	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
UnKnown TestType	Unknown Program	Test and Repair Dealer	72	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Test Only	1,685	72	0	14	44	155	44	34