

Executive Summary Report

SMOG CHECK Statewide

Fourth Quarter 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,559,016	295,374	11.54%
Total	2,913,384	374,493	12.85%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,230,683	87.17%	328,333	12.83%
Total	2,496,407	85.69%	416,977	14.31%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,429,722	86.49%	223,277	13.51%
Total	1,623,643	85.22%	281,534	14.78%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	29,839	1.17%
All Emissions	136,467	5.33%
All Visual	43,706	1.71%
All Functional	186,322	7.28%
OBDII	128,880	5.04%
Overall	295,374	11.54%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	968,861	881,884
Directed Vehicles	684,138	547,838
Total	1,652,999	1,429,722

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	141,410	124,024
Directed Vehicles	54,591	41,817
Total	196,001	165,841

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,553	296	560	30	0	4,439
Test Only	2,672	51	27	1	0	2,751
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	444	25	38	77	0	584
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	23	0	2	0	0	25
Total	7,008	382	775	111	0	8,276

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,042,478	245,363	12.01%	24,074	1.18%
Partially Enhanced	131,235	16,327	12.44%	1,646	1.25%
Basic	229,914	20,361	8.86%	2,378	1.03%
Change of Ownership	15,457	2,041	13.20%	389	2.52%
No Program	17	5	29.41%	1	5.88%
Unknown Program	139,915	11,277	8.06%	1,351	0.97%
Total Program Area	2,559,016	295,374	11.54%	29,839	1.17%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,652,999	216,503	13.10%	22,204	1.34%
Regular	688,535	49,987	7.26%	4,383	0.64%
Basic Area Dealer	13,763	456	3.31%	38	0.28%
Gold Shield in Enhanced Area	150,528	21,923	14.56%	2,284	1.52%
Gold Shield in Basic Area	26,058	3,026	11.61%	398	1.53%
Gold Shield in COO Area	19,415	2,390	12.31%	389	2.00%
Permanent Fleet Registered	130	5	3.85%	0	0.00%
Referee	1,125	512	45.51%	86	7.64%
Government Fleet	6,463	572	8.85%	57	0.88%
Total	2,559,016	295,374	11.54%	29,839	1.17%

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-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
MY-1976	2,053	579	28.20%	19.73%	8.33%	15.29%	8.72%	0.00%
MY-1977	2,941	892	30.33%	19.55%	7.72%	17.21%	9.04%	0.00%
MY-1978	3,204	903	28.18%	18.23%	7.30%	15.64%	8.90%	0.00%
MY-1979	3,948	1,206	30.55%	21.15%	8.54%	16.67%	8.71%	0.00%
MY-1980	2,250	607	26.98%	18.27%	8.40%	15.91%	8.40%	0.00%
MY-1981	2,613	800	30.62%	23.92%	10.03%	14.81%	7.96%	0.00%
MY-1982	3,098	949	30.63%	22.85%	8.91%	15.36%	8.72%	0.00%
MY-1983	3,504	1,112	31.74%	23.97%	8.65%	14.98%	8.99%	0.00%
MY-1984	7,002	2,326	33.22%	26.56%	10.48%	15.57%	8.25%	0.00%
MY-1985	9,120	3,001	32.91%	25.93%	9.34%	15.83%	7.81%	0.00%
MY-1986	13,460	4,220	31.35%	23.28%	8.00%	15.13%	7.48%	0.00%
MY-1987	16,432	5,156	31.38%	23.98%	7.36%	14.63%	6.01%	0.00%
MY-1988	18,386	5,495	29.89%	22.62%	6.87%	14.15%	5.90%	0.00%
MY-1989	26,491	7,430	28.05%	20.78%	6.07%	13.50%	5.31%	0.00%
MY-1990	31,948	8,910	27.89%	21.09%	5.72%	12.78%	4.71%	0.00%
MY-1991	41,198	11,079	26.89%	20.37%	5.22%	12.21%	4.30%	0.00%
MY-1992	39,926	10,767	26.97%	20.27%	5.17%	11.74%	4.33%	0.00%
MY-1993	50,761	14,833	29.22%	23.26%	4.66%	11.54%	4.08%	0.00%
MY-1994	64,634	16,655	25.77%	19.21%	3.44%	10.57%	3.90%	0.00%
MY-1995	75,204	18,750	24.93%	18.67%	3.18%	9.82%	3.66%	0.00%
MY-1996	86,121	16,912	19.64%	9.94%	1.38%	11.52%	2.72%	10.18%
MY-1997	94,383	17,699	18.75%	8.86%	1.37%	11.67%	2.43%	10.39%
MY-1998	138,703	19,424	14.00%	5.59%	0.94%	9.20%	1.97%	8.31%
MY-1999	123,636	15,354	12.42%	4.22%	0.69%	8.75%	1.81%	8.03%
MY-2000	222,744	23,331	10.47%	2.66%	0.51%	7.92%	1.49%	7.56%
MY-2001	148,199	17,437	11.77%	2.03%	0.35%	10.01%	1.37%	9.81%
MY-2002	261,663	22,909	8.76%	1.26%	0.25%	7.41%	1.09%	7.27%
MY-2003	141,095	10,548	7.48%	1.28%	0.24%	6.22%	0.99%	6.08%
MY-2004	280,225	15,184	5.42%	0.67%	0.13%	4.61%	0.67%	4.52%
MY-2005	115,177	5,240	4.55%	0.72%	0.11%	3.85%	0.53%	3.79%
MY-2006	320,390	11,887	3.71%	0.46%	0.07%	3.09%	0.45%	3.05%
MY-2007	91,752	1,964	2.14%	0.34%	0.04%	1.84%	0.22%	1.79%
MY-2008	41,636	802	1.93%	0.78%	0.06%	1.51%	0.24%	1.47%
MY-2009	18,249	337	1.85%	0.56%	0.03%	1.61%	0.12%	1.57%
MY-2010	16,325	196	1.20%	0.34%	0.02%	0.99%	0.13%	0.97%
MY-2011	21,319	236	1.11%	0.39%	0.04%	0.92%	0.08%	0.87%
MY-2012	17,417	199	1.14%	0.24%	0.03%	0.92%	0.10%	0.90%
MY-2013	1,805	44	2.44%	0.17%	0.00%	2.16%	0.17%	2.16%
MY-2014	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,559,016	295,374	11.54%	5.33%	1.17%	7.28%	1.71%	5.04%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,092
Certificate of Non Compliance	0
Parts Cost	317
Hardship Extensions	6
Exempt Vehicle	78
Exempted by Directive	12
Parts Exemption	20
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,525

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	944
Stations Locked-Out at Least Once	1,432
Stations Conducted at Least One Test	7,332

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,417	4,882
EA	Gas Endorsement	8	0
EB	Both Endorsement	35	0
EB	Gas Endorsement	392	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	1,358,700	46.87	223,433	47.75	1,582,133	47.00
Test and Repair	410,405	47.38	238,286	46.04	648,691	46.89
Test and Repair Dealer	30	78.90	12,339	53.12	12,369	53.18
Referee	467	30.00	153	30.00	620	30.00
Gold Shield in Enhanced Area	122,497	46.04	22,233	47.58	144,730	46.27
Gold Shield in Basic Area	989	61.53	23,611	38.29	24,600	39.23
Gold Shield in COO Area	4,965	53.52	13,261	51.45	18,226	52.01

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	8,437	23.21	39,133	298.89
	\$51-150	8,405	101.07		
	\$151-250	6,243	201.22		
	\$251-450	8,096	341.25		
	Over \$450	7,952	834.05		
CAP Repairs	\$1-50	163	23.14	2,520	388.07
	\$51-150	256	101.15		
	\$151-250	276	203.61		
	\$251-450	670	352.99		
	Over \$450	1,155	567.60		
Total Repairs	\$1-50	8,356	23.24	39,835	318.18
	\$51-150	7,715	100.22		
	\$151-250	6,071	201.82		
	\$251-450	8,441	342.71		
	Over \$450	9,252	820.27		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,386	388.07

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 Basic Area	4	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	31	5	1	0	1	3	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	Referee	0	3	0	2	0	2	0	3
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	223	26	2	1	13	9	17	2
Acceleration Simulation Mode (ASM)	Basic	Test Only	205	43	6	2	14	29	23	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	25	6	2	0	3	2	5	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	25	7	3	0	0	6	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	731	129	15	8	47	68	65	23
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	3,215	662	73	37	273	332	426	89
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	92,314	17,296	1,702	1,229	7,562	8,144	10,895	2,705
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	165	4	5	91	61	101	6
Acceleration Simulation Mode (ASM)	Enhanced	Referee	294	306	51	114	76	150	156	165
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	289,874	21,000	1,468	1,578	12,182	6,990	14,935	2,937
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,116,957	186,108	19,086	13,350	72,633	94,422	111,019	27,309
Acceleration Simulation Mode (ASM)	No Program	Test Only	7	3	1	0	1	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	84	46	12	0	18	33	28	3
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	754	137	14	4	73	60	86	10
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	6,748	1,557	226	99	662	801	1,001	231
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	17	26	9	6	5	14	15	15
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	51,895	7,661	722	416	2,891	4,029	4,340	869

	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 and Repair Dealer	16	2	1	0	0	2	0	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	35,161	5,602	549	436	2,194	2,840	3,268	797
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	1	3	0	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	135	20	4	1	10	9	15	4
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	3,981	616	68	69	300	274	415	107
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	289	35	2	68	202	94	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	42	27	6	13	7	15	19	19
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	36,592	2,582	272	220	1,311	1,073	1,696	402
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	41,720	5,183	684	493	2,310	2,522	3,285	1,002
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	18,248	2,480	330	202	1,055	728	1,712	505
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	611	70	13	1	37	23	48	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,507	595	97	46	292	187	439	94
Two Speed Idle (TSI)	Basic	Government Fleet	0	41	6	0	27	11	31	0
Two Speed Idle (TSI)	Basic	Referee	29	67	10	32	21	19	49	46
Two Speed Idle (TSI)	Basic	Test and Repair	134,076	12,571	1,413	735	6,104	3,556	9,265	1,643
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,135	349	30	12	189	76	257	41
Two Speed Idle (TSI)	Basic	Test Only	29,498	3,694	470	292	1,762	1,072	2,627	603
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	152	45	9	4	13	18	33	10
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,249	885	189	49	342	355	602	115
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	268	51	9	5	20	18	35	9
Two Speed Idle (TSI)	Change of Ownership	Referee	7	3	1	1	1	1	3	1
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,127	500	87	38	222	179	364	83
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	94	4	1	0	3	1	3	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,782	503	88	50	173	187	348	92
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,547	151	19	16	71	52	103	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
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	2,264	241	39	10	139	73	186	32
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	14,301	1,388	150	102	912	312	1,083	188
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	56	11	0	28	25	31	0
Two Speed Idle (TSI)	Enhanced	Referee	57	41	7	16	18	11	24	19
Two Speed Idle (TSI)	Enhanced	Test and Repair	60,759	3,231	243	202	2,265	533	2,631	390
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	983	37	4	1	24	7	29	2
Two Speed Idle (TSI)	Enhanced	Test Only	162,088	13,036	1,202	840	8,725	2,528	10,269	1,715
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	125	11	2	0	6	4	7	2
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	215	22	4	2	11	7	15	4
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	839	100	13	3	71	19	88	8
Two Speed Idle (TSI)	Partial	Test and Repair	7,050	542	62	29	336	118	420	70
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	99	7	2	0	6	2	6	0
Two Speed Idle (TSI)	Partial	Test Only	4,369	342	30	37	208	75	249	59
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	919	109	11	18	41	27	74	36
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,280	306	53	27	137	124	196	51
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,143	131	18	13	83	32	103	22
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	13	1	0	9	2	11	0
Two Speed Idle (TSI)	Unknown Program	Referee	19	9	2	5	3	2	8	8
Two Speed Idle (TSI)	Unknown Program	Test and Repair	14,925	997	112	83	567	242	754	164
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,529	30	0	2	20	6	24	4
Two Speed Idle (TSI)	Unknown Program	Test Only	12,629	838	85	87	544	185	630	132
UnKnown TestType	Basic	Gold Shield in Basic Area	838	43	0	5	27	51	27	19
UnKnown TestType	Basic	Gold Shield in COO Area	59	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	208	8	0	0	7	11	7	2
UnKnown TestType	Basic	Government Fleet	0	1	0	0	1	24	1	0
UnKnown TestType	Basic	Referee	9	2	0	1	1	2	1	1
UnKnown TestType	Basic	Test and Repair	6,626	280	0	41	210	405	210	77
UnKnown TestType	Basic	Test and Repair Dealer	976	22	0	6	13	41	13	10
UnKnown TestType	Basic	Test Only	1,205	59	0	11	40	70	40	21

	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	Change of Ownership	Gold Shield in Basic Area	7	1	0	0	0	1	0	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	248	24	0	6	16	24	16	8
UnKnown TestType	Change of Ownership	Test and Repair	200	6	0	0	4	7	4	2
UnKnown TestType	Change of Ownership	Test and Repair Dealer	20	2	0	0	1	2	1	1
UnKnown TestType	Change of Ownership	Test Only	84	2	0	1	1	2	1	1
UnKnown TestType	Enhanced	Gold Shield in Basic Area	86	5	0	1	4	8	4	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	214	12	0	3	10	24	10	4
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,584	136	0	19	110	177	110	32
UnKnown TestType	Enhanced	Government Fleet	0	3	0	0	3	120	3	0
UnKnown TestType	Enhanced	Permanent Fleet Registered	9	0	0	0	0	1	0	0
UnKnown TestType	Enhanced	Referee	24	10	0	8	0	10	0	8
UnKnown TestType	Enhanced	Test and Repair	10,398	390	0	55	283	652	283	122
UnKnown TestType	Enhanced	Test and Repair Dealer	72	1	0	0	1	7	1	1
UnKnown TestType	Enhanced	Test Only	20,052	953	0	165	673	1,108	673	324
UnKnown TestType	Partial	Gold Shield in Basic Area	19	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in COO Area	64	3	0	1	0	7	0	3
UnKnown TestType	Partial	Gold Shield in Enhanced Area	392	27	0	5	18	31	18	12
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	7	0	0
UnKnown TestType	Partial	Referee	0	3	0	2	2	3	2	2
UnKnown TestType	Partial	Test and Repair	3,106	155	0	22	102	195	102	60
UnKnown TestType	Partial	Test and Repair Dealer	22	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	1,432	76	0	20	47	89	47	38
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	38	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	237	7	0	3	3	22	3	4
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	159	13	0	3	7	23	7	6
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	88	0	0
UnKnown TestType	Unknown Program	Referee	46	11	0	9	2	11	2	11
UnKnown TestType	Unknown Program	Test and Repair	1,572	39	0	11	23	195	23	19
UnKnown TestType	Unknown Program	Test and Repair Dealer	46	0	0	0	0	4	0	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
UnKnown TestType	Unknown Program	Test Only	1,507	53	0	20	26	124	26	30