

Executive Summary Report

SMOG CHECK Statewide

May 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,001,843	114,766	11.46%
Total	1,138,893	145,521	12.78%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	876,999	87.54%	124,844	12.46%
Total	979,543	86.01%	159,350	13.99%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	549,548	86.74%	84,013	13.26%
Total	623,279	85.38%	106,755	14.62%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,150	1.21%
All Emissions	56,180	5.61%
All Visual	15,427	1.54%
All Functional	70,098	7.00%
OBDII	48,163	4.81%
Overall	114,766	11.46%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	393,324	359,508
Directed Vehicles	240,237	190,040
Total	633,561	549,548

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	61,188	54,412
Directed Vehicles	19,917	14,887
Total	81,105	69,299

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,461	286	546	28	0	4,321
Test Only	2,640	51	25	1	0	2,717
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	469	27	40	75	0	611
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	6,888	374	759	107	0	8,128

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	803,586	95,032	11.83%	9,815	1.22%
Partially Enhanced	50,935	6,508	12.78%	644	1.26%
Basic	90,335	8,063	8.93%	997	1.10%
Change of Ownership	6,284	795	12.65%	166	2.64%
No Program	10	0	0.00%	0	0.00%
Unknown Program	50,693	4,368	8.62%	528	1.04%
Total Program Area	1,001,843	114,766	11.46%	12,150	1.21%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	633,561	82,597	13.04%	9,033	1.43%
Regular	277,105	20,296	7.32%	1,805	0.65%
Basic Area Dealer	5,821	211	3.62%	14	0.24%
Gold Shield in Enhanced Area	62,371	8,902	14.27%	910	1.46%
Gold Shield in Basic Area	10,973	1,290	11.76%	166	1.51%
Gold Shield in COO Area	7,761	895	11.53%	153	1.97%
Permanent Fleet Registered	48	5	10.42%	1	2.08%
Referee	448	226	50.45%	31	6.92%
Government Fleet	3,755	344	9.16%	37	0.99%
Total	1,001,843	114,766	11.46%	12,150	1.21%

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-1969	1	1	100.00%	100.00%	100.00%	0.00%	100.00%	0.00%
MY-1970	1	1	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%
MY-1976	1,092	296	27.11%	18.77%	8.70%	14.84%	7.69%	0.00%
MY-1977	1,291	368	28.51%	18.98%	7.51%	15.72%	9.06%	0.00%
MY-1978	1,550	445	28.71%	19.03%	8.52%	15.94%	8.52%	0.00%
MY-1979	1,519	447	29.43%	21.33%	9.48%	15.54%	7.70%	0.00%
MY-1980	882	255	28.91%	20.75%	9.86%	14.74%	8.28%	0.00%
MY-1981	1,143	349	30.53%	25.20%	10.06%	12.95%	7.09%	0.00%
MY-1982	1,361	434	31.89%	25.06%	8.08%	15.06%	8.52%	0.00%
MY-1983	1,808	557	30.81%	24.61%	8.90%	13.77%	6.75%	0.00%
MY-1984	3,149	1,025	32.55%	26.04%	10.70%	14.67%	7.21%	0.00%
MY-1985	4,149	1,340	32.30%	25.33%	9.09%	14.58%	7.04%	0.00%
MY-1986	5,605	1,669	29.78%	22.87%	8.30%	14.08%	6.28%	0.00%
MY-1987	6,596	1,979	30.00%	23.56%	8.41%	13.46%	6.00%	0.00%
MY-1988	8,311	2,264	27.24%	20.74%	6.33%	12.63%	5.13%	0.00%
MY-1989	11,152	3,043	27.29%	20.98%	6.05%	12.25%	4.94%	0.00%
MY-1990	13,936	3,571	25.62%	19.71%	5.11%	11.15%	3.90%	0.00%
MY-1991	16,662	4,358	26.16%	20.40%	5.25%	11.54%	3.84%	0.00%
MY-1992	17,319	4,496	25.96%	20.24%	4.98%	10.43%	3.44%	0.00%
MY-1993	21,350	5,881	27.55%	22.15%	4.35%	10.34%	3.31%	0.00%
MY-1994	28,762	7,178	24.96%	19.30%	3.43%	9.59%	3.44%	0.00%
MY-1995	28,663	7,082	24.71%	18.99%	3.03%	9.03%	3.35%	0.00%
MY-1996	40,567	7,434	18.33%	9.74%	1.27%	10.37%	2.19%	9.25%
MY-1997	38,323	7,001	18.27%	9.01%	1.24%	11.06%	2.17%	9.88%
MY-1998	59,309	7,709	13.00%	5.52%	0.82%	8.35%	1.58%	7.65%
MY-1999	50,332	6,194	12.31%	4.18%	0.70%	8.85%	1.65%	8.24%
MY-2000	96,444	8,792	9.12%	2.36%	0.43%	6.91%	1.07%	6.63%
MY-2001	47,991	6,126	12.76%	2.28%	0.44%	10.99%	1.29%	10.79%
MY-2002	108,376	8,565	7.90%	1.11%	0.20%	6.74%	0.88%	6.60%
MY-2003	41,012	3,242	7.91%	1.52%	0.25%	6.65%	0.93%	6.55%
MY-2004	124,445	5,792	4.65%	0.59%	0.11%	3.97%	0.51%	3.91%
MY-2005	35,426	1,847	5.21%	0.88%	0.10%	4.39%	0.61%	4.32%
MY-2006	128,056	4,059	3.17%	0.38%	0.06%	2.67%	0.36%	2.62%
MY-2007	18,080	406	2.25%	0.41%	0.06%	1.80%	0.33%	1.73%
MY-2008	16,201	326	2.01%	0.40%	0.06%	1.65%	0.19%	1.62%
MY-2009	5,603	73	1.30%	0.27%	0.00%	1.18%	0.07%	1.16%
MY-2010	6,602	73	1.11%	0.15%	0.00%	0.88%	0.20%	0.86%
MY-2011	6,413	62	0.97%	0.23%	0.02%	0.89%	0.03%	0.89%
MY-2012	2,293	23	1.00%	0.52%	0.04%	0.57%	0.31%	0.52%
MY-2013	67	3	4.48%	0.00%	0.00%	4.48%	0.00%	4.48%
All Model Years	1,001,843	114,766	11.46%	5.61%	1.21%	7.00%	1.54%	4.81%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	411
Certificate of Non Compliance	1
Parts Cost	128
Hardship Extensions	75
Exempt Vehicle	34
Exempted by Directive	1
Parts Exemption	6
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	656

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	979
Stations Locked-Out at Least Once	975
Stations Conducted at Least One Test	7,149

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,171	5,891
EA	Gas Endorsement	9	0
EB	Both Endorsement	42	0
EB	Gas Endorsement	455	0
EU	Both Endorsement	1	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	533,690	46.95	82,131	47.86	615,821	47.07
Test and Repair	173,221	47.48	94,117	46.49	267,338	47.13
Test and Repair Dealer	7	75.57	5,414	53.01	5,421	53.03
Referee	182	30.00	74	30.00	256	30.00
Gold Shield in Enhanced Area	52,277	46.89	8,680	48.58	60,957	47.13
Gold Shield in Basic Area	518	59.17	10,106	34.94	10,624	36.12
Gold Shield in COO Area	1,887	50.26	5,521	49.18	7,408	49.46

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	3,687	23.50	16,071	286.52
	\$51-150	3,260	101.27		
	\$151-250	2,573	201.36		
	\$251-450	3,536	341.89		
	Over \$450	3,015	816.20		
CAP Repairs	\$1-50	61	23.05	401	318.80
	\$51-150	74	92.99		
	\$151-250	39	202.95		
	\$251-450	89	351.99		
	Over \$450	138	581.94		
Total Repairs	\$1-50	3,619	23.62	16,160	292.85
	\$51-150	3,235	101.36		
	\$151-250	2,584	201.49		
	\$251-450	3,559	342.07		
	Over \$450	3,163	816.00		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	385	318.80

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	2	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	10	3	1	1	2	2	2	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
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	56	13	2	1	6	8	6	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	65	10	0	0	6	3	8	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	13	2	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	6	2	2	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	340	66	8	7	21	37	33	11
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,196	216	22	9	98	108	127	26
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	39,465	7,160	713	488	2,932	3,623	4,326	1,057
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	78	7	2	38	29	51	3
Acceleration Simulation Mode (ASM)	Enhanced	Referee	108	143	19	56	39	63	82	76
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	124,968	8,899	637	599	5,039	3,151	6,209	1,104
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	435,643	71,356	7,771	4,528	26,659	38,712	40,894	9,335
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	69	18	2	0	11	5	14	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	312	70	5	0	44	26	52	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,914	587	50	36	244	298	345	72
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	0	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	8	13	2	5	1	7	6	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	20,433	3,031	278	167	1,109	1,603	1,712	348
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,651	2,286	248	163	858	1,233	1,299	320
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	5	2	0	0	5	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	63	6	0	0	3	2	4	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
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,468	246	23	22	118	113	164	45
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	242	29	0	34	194	59	4
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	10	12	3	7	1	6	7	10
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,864	944	88	72	480	413	617	130
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	15,087	1,961	276	154	892	1,025	1,237	287
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,743	1,058	138	101	422	317	706	217
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	253	35	10	2	14	13	26	4
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,387	212	25	11	84	69	153	29
Two Speed Idle (TSI)	Basic	Referee	20	23	4	11	6	6	15	13
Two Speed Idle (TSI)	Basic	Test and Repair	52,904	4,986	601	300	2,344	1,468	3,643	665
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,987	177	14	7	87	41	131	18
Two Speed Idle (TSI)	Basic	Test Only	11,459	1,381	202	100	607	473	915	242
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	66	12	1	0	5	3	9	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,166	333	76	18	118	158	200	44
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	91	23	8	1	9	13	20	6
Two Speed Idle (TSI)	Change of Ownership	Referee	1	3	2	1	0	2	1	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,805	228	36	25	101	76	177	49
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,057	181	41	20	56	83	107	37
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	614	66	7	15	25	17	41	21
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,097	91	15	8	55	27	70	13
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,618	545	77	39	310	140	413	72
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	13	1	0	9	3	10	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	13	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Enhanced	Referee	23	13	1	6	6	5	7	7
Two Speed Idle (TSI)	Enhanced	Test and Repair	24,152	1,225	99	70	866	192	1,005	122
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	483	13	0	1	10	1	11	2
Two Speed Idle (TSI)	Enhanced	Test Only	58,667	4,558	437	263	2,995	979	3,534	523

	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 COO Area	75	6	2	0	4	2	5	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	368	26	5	5	10	7	17	7
Two Speed Idle (TSI)	Partial	Test and Repair	2,590	205	27	17	110	48	156	30
Two Speed Idle (TSI)	Partial	Test Only	1,618	147	25	14	80	34	104	26
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	371	42	8	7	19	15	27	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,369	121	23	10	59	51	81	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	385	43	8	4	24	14	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	4	4	0	3	0	2	2	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,179	376	37	46	206	83	291	65
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	584	11	0	2	7	3	7	2
Two Speed Idle (TSI)	Unknown Program	Test Only	4,169	304	31	28	194	60	241	51
UnKnown TestType	Basic	Gold Shield in Basic Area	280	11	0	3	8	11	8	3
UnKnown TestType	Basic	Gold Shield in COO Area	24	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	73	2	0	0	2	2	2	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	2	0	0
UnKnown TestType	Basic	Test and Repair	2,207	122	0	10	98	138	98	26
UnKnown TestType	Basic	Test and Repair Dealer	316	8	0	0	6	9	6	2
UnKnown TestType	Basic	Test Only	444	17	0	3	13	18	13	5
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	86	5	0	1	3	5	3	2
UnKnown TestType	Change of Ownership	Test and Repair	71	3	0	0	3	3	3	0
UnKnown TestType	Change of Ownership	Test Only	38	1	0	1	0	1	0	1
UnKnown TestType	Enhanced	Gold Shield in Basic Area	29	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in COO Area	69	4	0	0	4	5	4	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	926	45	0	7	37	57	37	10
UnKnown TestType	Enhanced	Government Fleet	0	1	0	0	1	44	1	0
UnKnown TestType	Enhanced	Referee	12	5	0	5	1	5	1	5
UnKnown TestType	Enhanced	Test and Repair	3,587	181	0	22	144	206	144	42
UnKnown TestType	Enhanced	Test Only	6,517	348	0	52	250	369	250	108

	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	Gold Shield in Basic Area	8	1	0	0	0	1	0	1
UnKnown TestType	Partial	Gold Shield in COO Area	26	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	131	8	0	3	4	8	4	5
UnKnown TestType	Partial	Test and Repair	1,026	71	0	13	55	74	55	19
UnKnown TestType	Partial	Test and Repair Dealer	10	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	531	26	0	7	20	26	20	9
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	16	2	0	0	1	2	1	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	73	5	0	0	2	5	2	3
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	64	2	0	1	0	4	0	2
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	35	0	0
UnKnown TestType	Unknown Program	Referee	24	9	0	9	0	9	0	9
UnKnown TestType	Unknown Program	Test and Repair	503	10	0	4	5	21	5	5
UnKnown TestType	Unknown Program	Test and Repair Dealer	36	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Test Only	592	19	0	6	9	35	9	11