

Executive Summary Report

SMOG CHECK Statewide

April 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	904,402	111,028	12.28%
Total	1,039,310	140,572	13.53%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	783,045	86.58%	121,357	13.42%
Total	884,697	85.12%	154,613	14.88%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	487,579	86.05%	79,047	13.95%
Total	558,126	84.89%	99,377	15.11%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,910	1.43%
All Emissions	55,432	6.13%
All Visual	13,466	1.49%
All Functional	70,147	7.76%
OBDII	46,347	5.12%
Overall	111,028	12.28%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	338,647	306,128
Directed Vehicles	227,979	181,451
Total	566,626	487,579

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	54,844	47,885
Directed Vehicles	18,656	13,720
Total	73,500	61,605

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,563	278	535	29	0	4,405
Test Only	2,464	46	27	1	0	2,538
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	481	27	45	78	0	631
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	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,825	362	758	111	0	8,056

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	723,061	91,239	12.62%	10,343	1.43%
Partially Enhanced	46,383	6,585	14.20%	731	1.58%
Basic	80,736	7,948	9.84%	1,097	1.36%
Change of Ownership	6,104	821	13.45%	174	2.85%
No Program	4	0	0.00%	0	0.00%
Unknown Program	48,114	4,435	9.22%	565	1.17%
Total Program Area	904,402	111,028	12.28%	12,910	1.43%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	566,626	77,648	13.70%	9,287	1.64%
Regular	254,299	21,328	8.39%	2,096	0.82%
Basic Area Dealer	5,438	203	3.73%	16	0.29%
Gold Shield in Enhanced Area	57,066	9,165	16.06%	1,082	1.90%
Gold Shield in Basic Area	10,618	1,351	12.72%	207	1.95%
Gold Shield in COO Area	5,816	776	13.34%	160	2.75%
Business Fleet	10	0	0.00%	0	0.00%
Permanent Fleet Registered	32	6	18.75%	0	0.00%
Referee	414	193	46.62%	41	9.90%
Government Fleet	4,083	358	8.77%	21	0.51%
Total	904,402	111,028	12.28%	12,910	1.43%

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-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,106	275	24.86%	17.81%	7.69%	12.48%	8.14%	0.00%
MY-1977	1,453	372	25.60%	17.41%	6.95%	15.83%	8.33%	0.00%
MY-1978	1,697	473	27.87%	19.03%	7.96%	15.03%	8.37%	0.00%
MY-1979	1,726	550	31.87%	23.75%	9.04%	18.02%	9.97%	0.00%
MY-1980	1,010	268	26.53%	18.81%	8.61%	14.85%	7.03%	0.00%
MY-1981	1,301	375	28.82%	22.83%	9.15%	14.22%	8.07%	0.00%
MY-1982	1,458	425	29.15%	22.09%	8.92%	15.02%	7.41%	0.00%
MY-1983	1,955	576	29.46%	23.63%	10.13%	14.17%	7.31%	0.00%
MY-1984	3,443	1,105	32.09%	26.11%	10.37%	15.97%	7.61%	0.00%
MY-1985	4,671	1,453	31.11%	25.18%	10.25%	15.14%	6.34%	0.00%
MY-1986	6,431	1,890	29.39%	23.28%	8.47%	14.80%	6.34%	0.00%
MY-1987	7,589	2,263	29.82%	24.03%	8.17%	13.84%	5.30%	0.00%
MY-1988	9,330	2,645	28.35%	22.35%	7.11%	13.48%	4.89%	0.00%
MY-1989	12,572	3,381	26.89%	20.98%	6.06%	12.65%	4.34%	0.00%
MY-1990	15,749	4,097	26.01%	20.58%	5.58%	11.65%	3.65%	0.00%
MY-1991	18,637	4,876	26.16%	20.43%	5.15%	11.73%	3.37%	0.00%
MY-1992	19,205	4,759	24.78%	19.81%	4.98%	10.34%	3.13%	0.00%
MY-1993	22,673	6,040	26.64%	21.79%	4.35%	10.23%	3.19%	0.00%
MY-1994	27,225	6,774	24.88%	19.29%	3.42%	10.14%	3.25%	0.00%
MY-1995	38,909	8,134	20.91%	16.09%	2.56%	7.90%	2.70%	0.00%
MY-1996	28,702	5,719	19.93%	9.60%	1.44%	13.08%	2.08%	11.99%
MY-1997	51,303	7,693	15.00%	6.26%	1.01%	10.14%	1.53%	9.37%
MY-1998	42,617	6,036	14.16%	5.56%	0.95%	10.06%	1.50%	9.45%
MY-1999	71,702	7,194	10.03%	3.01%	0.57%	7.64%	1.08%	7.22%
MY-2000	46,037	5,225	11.35%	2.92%	0.64%	9.04%	1.16%	8.79%
MY-2001	100,506	9,902	9.85%	1.30%	0.28%	8.83%	0.73%	8.70%
MY-2002	39,798	4,117	10.34%	1.59%	0.33%	9.18%	0.90%	9.06%
MY-2003	110,904	6,630	5.98%	0.71%	0.14%	5.33%	0.48%	5.25%
MY-2004	32,543	1,974	6.07%	0.85%	0.14%	5.35%	0.58%	5.28%
MY-2005	124,825	4,590	3.68%	0.36%	0.07%	3.23%	0.32%	3.17%
MY-2006	18,674	536	2.87%	0.67%	0.07%	2.35%	0.39%	2.30%
MY-2007	18,643	365	1.96%	0.31%	0.04%	1.65%	0.19%	1.63%
MY-2008	8,479	178	2.10%	0.58%	0.06%	1.85%	0.18%	1.80%
MY-2009	4,173	61	1.46%	0.55%	0.00%	1.29%	0.10%	1.25%
MY-2010	5,741	63	1.10%	0.19%	0.02%	0.96%	0.05%	0.89%
MY-2011	1,608	14	0.87%	0.19%	0.00%	0.75%	0.12%	0.68%
MY-2012	6	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	904,402	111,028	12.28%	6.13%	1.43%	7.76%	1.49%	5.12%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	381
Certificate of Non Compliance	0
Parts Cost	217
Hardship Extensions	0
Exempt Vehicle	29
Exempted by Directive	5
Parts Exemption	22
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	654

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	969
Stations Locked-Out at Least Once	417
Stations Conducted at Least One Test	7,087

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,048	5,990
EA	Gas Endorsement	10	0
EB	Both Endorsement	46	0
EB	Gas Endorsement	467	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	485,053	47.72	68,827	48.75	553,880	47.85
Test and Repair	161,847	47.00	83,534	46.73	245,381	46.91
Test and Repair Dealer	44	63.45	5,000	52.23	5,044	52.33
Referee	181	30.00	65	30.00	246	30.00
Gold Shield in Enhanced Area	48,087	46.90	7,674	48.78	55,761	47.16
Gold Shield in Basic Area	468	62.24	9,872	39.51	10,340	40.54
Gold Shield in COO Area	1,118	51.54	4,470	56.23	5,588	55.29

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	4,236	22.90	17,503	277.19
	\$51-150	3,573	100.08		
	\$151-250	2,717	201.81		
	\$251-450	3,647	340.65		
	Over \$450	3,330	782.71		
CAP Repairs	\$1-50	67	23.19	1,526	444.98
	\$51-150	94	96.89		
	\$151-250	104	208.24		
	\$251-450	360	361.47		
	Over \$450	901	573.35		
Total Repairs	\$1-50	3,832	23.12	17,908	308.84
	\$51-150	3,413	100.10		
	\$151-250	2,672	202.38		
	\$251-450	3,807	342.45		
	Over \$450	4,184	778.20		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	1,458	444.98

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	4	3	0	0	1	3	2	0
Acceleration Simulation Mode (ASM)	Basic	Referee	0	1	1	0	0	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)	Basic	Test and Repair	66	11	1	0	4	5	6	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	75	13	2	0	3	6	7	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	2	0	1	0	1	2	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	13	5	2	0	0	5	2	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	330	50	3	3	14	21	29	8
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	822	187	23	7	78	98	121	15
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	35,055	7,283	850	394	2,950	3,704	4,581	964
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	76	3	1	54	18	58	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	105	129	30	47	23	58	64	72
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	114,736	9,810	772	558	5,614	3,508	7,170	1,074
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	391,550	67,414	8,031	3,650	24,964	37,518	39,989	7,816
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	67	20	7	0	6	16	11	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	65	8	0	0	3	4	4	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,999	701	63	41	263	366	432	88
Acceleration Simulation Mode (ASM)	Partial	Referee	4	8	3	4	1	3	7	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,656	3,193	343	164	1,216	1,682	1,935	339
Acceleration Simulation Mode (ASM)	Partial	Test Only	12,090	2,189	273	167	825	1,196	1,271	274
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	27	5	0	1	1	2	2	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,472	264	31	18	127	128	170	43
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	243	17	1	31	195	52	4

	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	Referee	12	6	2	3	0	2	5	3
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	13,065	1,043	123	64	531	474	707	136
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,610	1,947	264	142	848	1,017	1,229	286
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,505	1,133	169	92	421	365	773	239
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	173	14	2	0	9	6	12	1
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,214	228	52	15	88	92	157	50
Two Speed Idle (TSI)	Basic	Referee	19	22	4	12	4	8	11	13
Two Speed Idle (TSI)	Basic	Test and Repair	46,227	4,955	650	260	2,326	1,471	3,712	638
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,673	148	13	10	80	36	111	18
Two Speed Idle (TSI)	Basic	Test Only	10,142	1,280	203	82	565	442	887	198
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	65	20	6	1	8	8	13	5
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,045	355	91	19	109	179	226	51
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	126	26	6	1	6	16	15	2
Two Speed Idle (TSI)	Change of Ownership	Referee	2	3	0	2	0	2	2	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,719	239	38	21	106	86	174	37
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,026	158	31	19	43	71	107	36
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	562	46	7	3	19	13	29	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	566	52	7	2	25	14	36	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,880	531	71	27	320	134	417	63
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	21	1	0	15	2	19	0
Two Speed Idle (TSI)	Enhanced	Test and Repair	20,529	1,169	104	59	790	230	947	110
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	477	18	2	3	10	2	16	4
Two Speed Idle (TSI)	Enhanced	Test Only	48,281	3,966	439	191	2,578	921	3,098	400
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	57	5	2	0	1	2	4	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	43	8	1	0	4	3	6	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	278	35	4	3	17	8	25	7
Two Speed Idle (TSI)	Partial	Test and Repair	2,255	203	21	15	112	47	155	29
Two Speed Idle (TSI)	Partial	Test Only	1,264	129	14	10	82	30	100	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
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	357	61	13	5	22	23	45	19
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	998	135	36	6	62	57	100	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	343	27	5	4	16	7	20	5
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	5	0	0	3	1	4	0
Two Speed Idle (TSI)	Unknown Program	Referee	12	5	1	2	1	3	4	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,153	411	44	36	247	99	326	62
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	515	14	1	1	6	2	10	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,534	216	28	12	143	59	174	26
Unknown TestType	Basic	Gold Shield in Basic Area	223	13	0	0	6	14	6	7
Unknown TestType	Basic	Gold Shield in Enhanced Area	62	8	0	1	5	8	5	4
Unknown TestType	Basic	Government Fleet	0	1	0	0	1	3	1	0
Unknown TestType	Basic	Referee	2	1	0	1	0	1	0	1
Unknown TestType	Basic	Test and Repair	1,687	84	0	10	58	88	58	28
Unknown TestType	Basic	Test and Repair Dealer	284	14	0	2	10	15	10	5
Unknown TestType	Basic	Test Only	289	14	0	1	12	14	12	3
Unknown TestType	Change of Ownership	Gold Shield in Basic Area	4	1	0	0	0	1	0	1
Unknown TestType	Change of Ownership	Gold Shield in COO Area	91	5	0	3	1	6	1	4
Unknown TestType	Change of Ownership	Referee	0	1	0	1	0	1	0	1
Unknown TestType	Change of Ownership	Test and Repair	55	4	0	0	3	4	3	1
Unknown TestType	Change of Ownership	Test Only	22	1	0	1	1	1	1	1
Unknown TestType	Enhanced	Gold Shield in Basic Area	11	2	0	0	1	2	1	1
Unknown TestType	Enhanced	Gold Shield in COO Area	39	3	0	0	1	4	1	2
Unknown TestType	Enhanced	Gold Shield in Enhanced Area	805	44	0	6	30	49	30	15
Unknown TestType	Enhanced	Government Fleet	0	0	0	0	0	58	0	0
Unknown TestType	Enhanced	Referee	10	2	0	1	2	2	2	1
Unknown TestType	Enhanced	Test and Repair	2,964	134	0	20	97	170	97	43
Unknown TestType	Enhanced	Test and Repair Dealer	42	1	0	0	0	1	0	1
Unknown TestType	Enhanced	Test Only	4,925	285	0	43	209	302	209	92
Unknown TestType	Partial	Gold Shield in COO Area	3	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
UnKnown TestType	Partial	Gold Shield in Enhanced Area	155	13	0	1	10	13	10	3
UnKnown TestType	Partial	Test and Repair	835	48	0	5	37	50	37	16
UnKnown TestType	Partial	Test and Repair Dealer	14	1	0	0	0	1	0	1
UnKnown TestType	Partial	Test Only	386	18	0	5	10	22	10	9
UnKnown TestType	Unknown Program	Gold Shield in COO Area	64	3	0	2	1	5	1	3
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	50	2	0	1	1	4	1	1
UnKnown TestType	Unknown Program	Government Fleet	0	6	0	0	6	39	6	0
UnKnown TestType	Unknown Program	Referee	20	4	0	2	0	4	0	4
UnKnown TestType	Unknown Program	Test and Repair	494	24	0	2	18	45	18	7
UnKnown TestType	Unknown Program	Test and Repair Dealer	31	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Test Only	369	13	0	2	8	33	8	5