

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,672,727	309,196	11.57%
Total	3,045,683	391,603	12.86%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,329,343	87.15%	343,384	12.85%
Total	2,607,552	85.61%	438,131	14.39%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,441,229	87.09%	213,615	12.91%
Total	1,622,121	86.19%	259,871	13.81%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	43,342	1.62%
All Emissions	149,143	5.58%
All Visual	38,358	1.44%
All Functional	204,958	7.67%
OBDII	127,535	4.77%
Overall	309,196	11.57%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	925,066	836,764
Directed Vehicles	729,778	604,465
Total	1,654,844	1,441,229

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	169,590	147,449
Directed Vehicles	63,204	48,238
Total	232,794	195,687

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,820	272	533	29	0	4,654
Test Only	2,408	48	24	1	0	2,481
Basic Area Dealer	0	1	111	0	0	112
Gold Shield	494	29	53	80	0	656
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	5	0	0	36
Referee	36	0	6	1	0	43
Government Fleet	246	9	37	2	0	294
Unknown Type	1	0	0	0	0	1
Total	7,038	360	769	113	0	8,280

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,154,171	252,536	11.72%	34,895	1.62%
Partially Enhanced	134,910	17,851	13.23%	2,479	1.84%
Basic	236,597	24,251	10.25%	3,726	1.57%
Change of Ownership	16,577	2,338	14.10%	539	3.25%
No Program	17	1	5.88%	0	0.00%
Unknown Program	130,455	12,219	9.37%	1,703	1.31%
Total Program Area	2,672,727	309,196	11.57%	43,342	1.62%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,654,844	209,441	12.66%	30,938	1.87%
Regular	756,897	61,957	8.19%	7,182	0.95%
Basic Area Dealer	14,418	598	4.15%	58	0.40%
Gold Shield in Enhanced Area	184,917	28,825	15.59%	3,849	2.08%
Gold Shield in Basic Area	33,478	4,704	14.05%	720	2.15%
Gold Shield in COO Area	14,399	1,911	13.27%	412	2.86%
Business Fleet	19	1	5.26%	0	0.00%
Permanent Fleet Registered	44	2	4.55%	0	0.00%
Referee	1,642	866	52.74%	102	6.21%
Government Fleet	12,068	890	7.37%	81	0.67%
Unknown Privilege	1	1	100.00%	0	0.00%
Total	2,672,727	309,196	11.57%	43,342	1.62%

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-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1948	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1964	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	3,297	861	26.11%	17.20%	7.79%	15.44%	7.92%	0.00%
MY-1977	4,412	1,173	26.59%	16.68%	7.82%	16.89%	8.54%	0.00%
MY-1978	5,167	1,381	26.73%	17.15%	7.82%	16.22%	7.99%	0.00%
MY-1979	5,630	1,585	28.15%	19.02%	9.29%	17.51%	8.47%	0.00%
MY-1980	3,463	935	27.00%	18.97%	9.73%	16.06%	8.20%	0.00%
MY-1981	4,020	1,159	28.83%	22.09%	10.17%	14.93%	7.96%	0.00%
MY-1982	4,647	1,257	27.05%	20.21%	9.27%	14.50%	7.55%	0.00%
MY-1983	6,064	1,744	28.76%	21.67%	10.14%	15.96%	8.21%	0.00%
MY-1984	11,773	3,307	28.09%	21.96%	10.63%	15.28%	7.25%	0.00%
MY-1985	15,836	4,372	27.61%	21.41%	9.91%	14.95%	6.50%	0.00%
MY-1986	21,849	5,672	25.96%	19.36%	8.37%	14.32%	5.69%	0.00%
MY-1987	26,130	7,132	27.29%	20.93%	8.08%	14.19%	5.27%	0.00%
MY-1988	31,988	7,963	24.89%	18.62%	7.43%	13.12%	4.68%	0.00%
MY-1989	44,186	10,110	22.88%	16.75%	6.38%	12.45%	4.27%	0.00%
MY-1990	55,322	12,377	22.37%	16.63%	5.88%	11.62%	3.44%	0.00%
MY-1991	63,609	13,682	21.51%	15.81%	5.35%	11.05%	3.09%	0.00%
MY-1992	66,149	13,376	20.22%	14.85%	4.90%	9.90%	2.84%	0.00%
MY-1993	79,887	17,885	22.39%	17.38%	4.49%	10.00%	2.84%	0.00%
MY-1994	100,118	18,931	18.91%	13.70%	3.18%	8.75%	2.62%	0.00%
MY-1995	105,781	18,846	17.82%	12.84%	3.05%	8.07%	2.38%	0.00%
MY-1996	135,505	22,345	16.49%	7.12%	1.17%	11.43%	1.61%	10.63%
MY-1997	129,248	21,775	16.85%	6.65%	1.16%	12.32%	1.41%	11.53%
MY-1998	187,207	21,914	11.71%	4.02%	0.70%	8.76%	1.01%	8.35%
MY-1999	157,842	18,301	11.59%	3.03%	0.62%	9.40%	1.02%	9.03%
MY-2000	303,361	25,123	8.28%	1.65%	0.38%	6.94%	0.69%	6.71%
MY-2001	148,389	14,847	10.01%	1.53%	0.35%	8.84%	0.81%	8.65%
MY-2002	318,972	17,540	5.50%	0.64%	0.15%	4.83%	0.49%	4.70%
MY-2003	126,436	8,396	6.64%	0.93%	0.25%	5.91%	0.51%	5.77%
MY-2004	355,050	11,345	3.20%	0.32%	0.08%	2.83%	0.28%	2.72%
MY-2005	44,778	1,433	3.20%	0.58%	0.09%	2.76%	0.30%	2.65%
MY-2006	56,169	1,427	2.54%	0.33%	0.05%	2.20%	0.18%	2.11%
MY-2007	20,117	437	2.17%	0.30%	0.02%	1.98%	0.14%	1.88%
MY-2008	16,420	319	1.94%	0.32%	0.01%	1.73%	0.15%	1.66%
MY-2009	11,429	192	1.68%	0.22%	0.01%	1.53%	0.09%	1.48%
MY-2010	2,467	54	2.19%	1.26%	0.00%	1.01%	1.09%	0.81%
MY-2011	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,672,727	309,196	11.57%	5.58%	1.62%	7.67%	1.44%	4.77%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,205
Certificate of Non Compliance	2
Parts Cost	684
Hardship Extensions	0
Exempt Vehicle	141
Exempted by Directive	165
Parts Exemption	22
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	22
	2,241

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,017
Stations Locked-Out at Least Once	888
Stations Conducted at Least One Test	7,263

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,404	5,835
EA	Gas Endorsement	10	0
EB	Both Endorsement	50	0
EB	Gas Endorsement	498	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	1,425,466	48.41	191,012	49.03	1,616,478	48.49
Test and Repair	487,527	46.81	249,539	46.75	737,066	46.79
Test and Repair Dealer	98	64.14	13,500	52.30	13,598	52.38
Referee	570	30.00	192	30.00	762	30.00
Gold Shield in Enhanced Area	157,212	48.47	24,484	49.77	181,696	48.65
Gold Shield in Basic Area	1,424	61.55	31,325	39.70	32,749	40.65
Gold Shield in COO Area	1,831	55.66	12,050	53.08	13,881	53.42

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	18,033	22.68	61,814	220.77
	\$51-150	15,542	100.17		
	\$151-250	9,507	199.73		
	\$251-450	10,904	337.79		
	Over \$450	7,828	779.07		
CAP Repairs	\$1-50	278	24.63	14,534	415.43
	\$51-150	573	108.56		
	\$151-250	1,282	207.84		
	\$251-450	4,622	358.41		
	Over \$450	7,779	520.09		
Total Repairs	\$1-50	14,311	23.04	64,638	304.53
	\$51-150	11,612	99.86		
	\$151-250	8,993	201.53		
	\$251-450	13,533	344.64		
	Over \$450	16,189	723.88		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	13,736	415.43

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	Gold Shield in Enhanced Area	27	6	2	0	3	3	5	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	1	0	0	0	1	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
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	110	20	2	0	7	13	9	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	103	12	1	2	1	8	5	4
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	23	4	0	2	1	2	4	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	1,009	170	17	5	55	74	91	25
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,416	231	27	10	88	106	146	34
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	116,592	22,788	2,994	1,268	9,326	11,059	14,981	3,109
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	229	4	1	139	70	165	3
Acceleration Simulation Mode (ASM)	Enhanced	Referee	400	364	64	151	93	190	193	200
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	355,377	29,380	2,701	1,643	16,953	10,252	21,913	3,279
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,184,631	182,008	27,019	9,957	67,751	98,302	115,863	21,969
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	185	71	20	2	24	46	38	6
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	150	21	3	0	7	8	13	5
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	10,853	2,436	326	102	978	1,217	1,625	256
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	19	29	1	15	6	11	17	19
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	55,076	8,304	1,111	453	3,076	4,253	5,234	995
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	52	5	1	1	2	2	4	2
Acceleration Simulation Mode (ASM)	Partial	Test Only	35,890	5,845	859	332	2,068	3,204	3,577	689
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	22	2	0	0	0	2	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)	Unknown Program	Gold Shield in Enhanced Area	4,522	817	110	67	345	408	531	141
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	568	63	2	113	420	170	8
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	44	17	6	7	5	8	9	11
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	34,657	3,111	364	230	1,537	1,359	2,124	443
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	37,296	5,031	784	389	2,169	2,633	3,333	702
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	24,328	4,036	615	371	1,532	1,291	2,767	841
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	520	72	15	5	21	42	40	9
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,819	696	113	40	281	220	518	93
Two Speed Idle (TSI)	Basic	Government Fleet	0	16	2	0	13	2	14	0
Two Speed Idle (TSI)	Basic	Referee	42	46	15	14	10	21	31	27
Two Speed Idle (TSI)	Basic	Test and Repair	139,498	14,959	2,266	871	5,897	4,996	10,831	1,907
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	10,196	482	52	23	223	121	362	56
Two Speed Idle (TSI)	Basic	Test Only	27,387	3,732	643	219	1,469	1,372	2,544	541
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	203	56	16	5	16	26	46	13
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,438	1,087	280	101	272	520	692	188
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	332	103	20	9	41	34	81	17
Two Speed Idle (TSI)	Change of Ownership	Referee	6	6	2	2	1	4	2	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,655	593	118	50	228	232	421	95
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,899	465	103	33	143	200	309	78
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,285	130	19	12	70	37	95	22
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,584	159	28	15	71	53	113	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	15,847	1,687	245	89	956	432	1,334	196
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	50	6	0	27	14	38	0
Two Speed Idle (TSI)	Enhanced	Referee	93	54	11	24	19	18	26	37
Two Speed Idle (TSI)	Enhanced	Test and Repair	63,356	3,599	378	194	2,310	754	2,893	371
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,310	44	2	0	32	7	37	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
Two Speed Idle (TSI)	Enhanced	Test Only	136,518	11,068	1,380	514	6,759	2,881	8,479	1,020
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	159	16	2	0	10	4	12	2
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	139	10	2	1	5	4	8	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,077	144	28	8	72	48	111	15
Two Speed Idle (TSI)	Partial	Test and Repair	6,582	554	75	38	277	157	414	81
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	173	5	1	0	4	1	4	0
Two Speed Idle (TSI)	Partial	Test Only	3,752	335	49	19	190	102	244	35
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,135	195	31	24	92	60	145	44
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,709	304	57	25	121	118	217	46
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,038	78	11	7	36	23	59	11
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	25	5	0	12	8	17	0
Two Speed Idle (TSI)	Unknown Program	Referee	28	9	3	3	2	4	3	7
Two Speed Idle (TSI)	Unknown Program	Test and Repair	14,090	1,146	167	88	622	303	904	166
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,201	40	2	1	26	7	34	4
Two Speed Idle (TSI)	Unknown Program	Test Only	9,158	712	100	64	426	194	547	109
UnKnown TestType	Basic	Gold Shield in Basic Area	152	20	0	3	13	20	13	10
UnKnown TestType	Basic	Gold Shield in COO Area	20	2	0	0	2	2	2	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	65	12	0	0	4	12	4	9
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	15	0	0
UnKnown TestType	Basic	Referee	3	44	0	23	0	44	0	24
UnKnown TestType	Basic	Test and Repair	882	66	0	10	52	71	52	15
UnKnown TestType	Basic	Test and Repair Dealer	273	14	0	3	10	14	10	5
UnKnown TestType	Basic	Test Only	204	14	0	4	8	14	8	7
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	132	10	0	4	4	11	4	6
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	9	1	0	0	1	2	1	0
UnKnown TestType	Change of Ownership	Referee	0	4	0	2	0	4	0	2
UnKnown TestType	Change of Ownership	Test and Repair	118	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Test Only	46	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	37	4	0	1	1	5	1	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
UnKnown TestType	Enhanced	Gold Shield in COO Area	61	4	0	1	4	5	4	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	442	42	0	6	36	46	36	11
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	31	0	0
UnKnown TestType	Enhanced	Referee	31	201	0	89	1	201	9	114
UnKnown TestType	Enhanced	Test and Repair	2,394	148	0	18	115	187	115	36
UnKnown TestType	Enhanced	Test and Repair Dealer	78	2	0	0	1	4	1	1
UnKnown TestType	Enhanced	Test Only	2,619	170	0	26	140	205	140	35
UnKnown TestType	Partial	Gold Shield in Enhanced Area	71	9	0	1	7	9	7	2
UnKnown TestType	Partial	Referee	4	14	0	6	0	14	1	6
UnKnown TestType	Partial	Test and Repair	558	33	0	3	25	43	25	10
UnKnown TestType	Partial	Test and Repair Dealer	17	1	0	1	1	1	1	1
UnKnown TestType	Partial	Test Only	214	16	0	5	13	16	13	7
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	56	4	0	0	0	5	0	4
UnKnown TestType	Unknown Program	Gold Shield in COO Area	96	8	0	3	4	8	4	5
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	98	6	0	0	4	7	4	2
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	15	0	0
UnKnown TestType	Unknown Program	Referee	88	76	0	42	2	76	2	47
UnKnown TestType	Unknown Program	Test and Repair	742	38	0	11	22	51	22	18
UnKnown TestType	Unknown Program	Test and Repair Dealer	49	2	0	1	0	3	0	2
UnKnown TestType	Unknown Program	Test Only	480	28	0	5	19	36	19	10