

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,460,406	305,268	12.41%
Total	2,889,720	406,415	14.06%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,100,910	85.39%	359,496	14.61%
Total	2,408,420	83.34%	481,300	16.66%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,229,556	85.47%	208,983	14.53%
Total	1,424,213	84.14%	268,366	15.86%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	53,427	2.17%
All Emissions	173,652	7.06%
All Visual	33,760	1.37%
All Functional	183,840	7.47%
OBDII	91,484	3.72%
Overall	305,268	12.41%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	683,976	607,728
Directed Vehicles	754,563	621,828
Total	1,438,539	1,229,556

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	122,285	104,840
Directed Vehicles	643	66
Total	122,928	104,906

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,863	293	551	41	0	5,748
Test Only	2,113	40	21	1	0	2,175
Basic Area Dealer	1	1	122	0	0	124
Gold Shield	418	26	60	76	0	580
Business Fleet	5	1	0	0	0	6
Permanent Fleet Registered	36	1	6	0	0	43
Referee	34	0	6	1	0	41
Government Fleet	242	9	36	2	0	289
Unknown Type	2	0	0	0	0	2
Total	7,714	371	802	121	0	9,008

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,955,486	247,143	12.64%	42,393	2.17%
Partially Enhanced	117,058	16,549	14.14%	2,860	2.44%
Basic	222,207	24,828	11.17%	5,203	2.34%
Change of Ownership	18,270	2,462	13.48%	663	3.63%
No Program	19	4	21.05%	1	5.26%
Unknown Program	147,366	14,282	9.69%	2,307	1.57%
Total Program Area	2,460,406	305,268	12.41%	53,427	2.17%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,438,539	203,838	14.17%	38,122	2.65%
Regular	864,361	82,308	9.52%	12,038	1.39%
Basic Area Dealer	17,364	918	5.29%	150	0.86%
Gold Shield in Enhanced Area	88,047	10,838	12.31%	1,607	1.83%
Gold Shield in Basic Area	22,317	3,204	14.36%	759	3.40%
Gold Shield in COO Area	12,564	1,659	13.20%	431	3.43%
Business Fleet	149	11	7.38%	0	0.00%
Permanent Fleet Registered	330	36	10.91%	3	0.91%
Referee	2,411	1,125	46.66%	219	9.08%
Government Fleet	14,319	1,331	9.30%	98	0.68%
Unknown Privilege	5	0	0.00%	0	0.00%
Total	2,460,406	305,268	12.41%	53,427	2.17%

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-0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1952	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1959	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
MY-1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	3	1	33.33%	33.33%	33.33%	0.00%	0.00%	0.00%
MY-1966	4	3	75.00%	25.00%	0.00%	50.00%	25.00%	0.00%
MY-1968	2	1	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	2	1	50.00%	50.00%	0.00%	0.00%	50.00%	0.00%
MY-1970	6	3	50.00%	16.67%	0.00%	16.67%	16.67%	0.00%
MY-1972	2	2	100.00%	50.00%	50.00%	100.00%	50.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	26	7	26.92%	26.92%	7.69%	15.38%	7.69%	0.00%
MY-1975	58	16	27.59%	20.69%	13.79%	20.69%	8.62%	0.00%
MY-1976	4,877	1,427	29.26%	22.27%	10.81%	15.83%	9.31%	0.00%
MY-1977	6,754	1,650	24.43%	17.34%	7.88%	13.09%	7.31%	0.00%
MY-1978	7,668	1,928	25.14%	18.71%	8.97%	12.99%	7.64%	0.00%
MY-1979	8,974	2,372	26.43%	20.43%	9.81%	13.96%	7.66%	0.00%
MY-1980	5,714	1,560	27.30%	21.21%	11.18%	15.51%	8.58%	0.00%
MY-1981	6,652	1,928	28.98%	23.98%	11.46%	15.23%	8.00%	0.00%
MY-1982	7,689	2,218	28.85%	23.70%	10.69%	14.48%	7.35%	0.00%
MY-1983	10,415	2,961	28.43%	23.08%	10.49%	14.62%	7.21%	0.00%
MY-1984	19,584	5,802	29.63%	24.57%	12.20%	15.00%	6.88%	0.00%
MY-1985	26,698	7,562	28.32%	23.08%	11.07%	14.72%	6.16%	0.00%
MY-1986	36,739	9,386	25.55%	20.29%	9.13%	13.29%	4.92%	0.00%
MY-1987	44,863	12,035	26.83%	21.87%	8.72%	12.95%	4.65%	0.00%
MY-1988	54,068	12,722	23.53%	18.80%	7.10%	11.50%	3.67%	0.00%
MY-1989	71,614	14,802	20.67%	16.08%	5.71%	10.20%	3.09%	0.00%
MY-1990	84,182	16,058	19.08%	15.16%	5.09%	8.83%	2.34%	0.00%
MY-1991	93,626	16,454	17.57%	13.80%	4.50%	8.07%	1.89%	0.00%
MY-1992	93,113	15,072	16.19%	12.66%	4.00%	6.93%	1.71%	0.00%
MY-1993	108,015	19,110	17.69%	14.40%	3.18%	6.66%	1.69%	0.00%
MY-1994	125,800	17,989	14.30%	11.00%	2.36%	5.61%	1.61%	0.00%
MY-1995	172,836	20,102	11.63%	8.55%	1.73%	4.50%	1.24%	0.00%
MY-1996	116,462	20,811	17.87%	6.83%	1.04%	13.52%	1.03%	12.30%
MY-1997	205,532	24,765	12.05%	4.08%	0.71%	9.20%	0.72%	8.37%
MY-1998	156,497	17,392	11.11%	3.08%	0.54%	8.94%	0.64%	8.19%
MY-1999	268,886	18,514	6.89%	1.49%	0.26%	5.67%	0.41%	5.14%
MY-2000	152,544	12,967	8.50%	1.28%	0.31%	7.54%	0.45%	6.91%
MY-2001	361,563	19,894	5.50%	0.49%	0.12%	5.07%	0.26%	4.62%
MY-2002	61,851	2,795	4.52%	0.43%	0.12%	4.09%	0.25%	3.55%
MY-2003	75,064	2,614	3.48%	0.27%	0.07%	3.19%	0.12%	2.66%
MY-2004	24,093	826	3.43%	0.18%	0.07%	3.20%	0.17%	2.68%
MY-2005	19,113	642	3.36%	0.16%	0.04%	3.09%	0.20%	2.61%
MY-2006	22,357	678	3.03%	0.16%	0.08%	2.86%	0.08%	2.56%
MY-2007	6,444	196	3.04%	0.51%	0.43%	2.50%	0.14%	2.19%
MY-2008	9	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2009	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,460,406	305,268	12.41%	7.06%	2.17%	7.47%	1.37%	3.72%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	2,002
Certificate of Non Compliance	1
Parts Cost	269
Hardship Extensions	342
Exempt Vehicle	250
Exempted by Directive	430
Parts Exemption	8
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	3,302

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,167
Stations Locked-Out at Least Once	1,657
Stations Conducted at Least One Test	7,841

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,307	6,179
EA	Gas Endorsement	17	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	596	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	1,302,516	48.25	127,288	48.39	1,429,804	48.26
Test and Repair	599,712	46.71	254,827	44.30	854,539	45.99
Test and Repair Dealer	48	61.35	17,361	47.43	17,409	47.47
Referee	1,503	30.00	612	30.00	2,115	30.00
Gold Shield in Enhanced Area	66,425	45.98	22,371	42.33	88,796	45.06
Gold Shield in Basic Area	48	58.94	22,365	34.21	22,413	34.26
Gold Shield in COO Area	181	61.78	12,560	47.85	12,741	48.04

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	22,334	22.40	74,085	205.90
	\$51-150	19,128	100.25		
	\$151-250	12,372	199.29		
	\$251-450	12,467	335.02		
	Over \$450	7,784	795.71		
CAP Repairs	\$1-50	462	24.83	9,548	328.66
	\$51-150	1,123	106.81		
	\$151-250	1,686	203.61		
	\$251-450	3,595	346.19		
	Over \$450	2,682	529.02		
Total Repairs	\$1-50	20,281	22.62	76,759	239.61
	\$51-150	16,696	100.50		
	\$151-250	13,067	199.78		
	\$251-450	15,561	338.87		
	Over \$450	11,154	750.56		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	8,513	328.66

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	12	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Basic	Referee	5	2	1	0	1	2	1	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	133	25	5	0	10	10	19	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	103	23	5	3	4	16	11	5
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	1	0	1	0	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	29	2	1	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	11	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	53	9	0	0	1	6	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	45	2	1	0	0	1	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	101	11	1	0	3	5	9	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	45,116	5,953	630	324	2,814	2,448	4,177	639
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	446	16	6	231	164	291	5
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	145	27	1	0	13	13	14	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	693	740	125	322	138	398	380	424
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	424,209	44,561	5,282	2,240	19,283	19,798	30,978	4,071
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	14	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,046,438	181,770	33,894	10,362	44,584	117,290	102,224	20,195
Acceleration Simulation Mode (ASM)	No Program	Test Only	4	4	1	0	2	1	4	0
Acceleration Simulation Mode (ASM)	Partial	Business-Fleet	27	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	50	14	1	1	2	8	8	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,288	1,563	259	81	445	945	881	174
Acceleration Simulation Mode (ASM)	Partial	Referee	26	38	6	20	7	19	22	25

	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	51,792	9,086	1,511	517	2,456	5,512	5,112	988
Acceleration Simulation Mode (ASM)	Partial	Test Only	28,625	4,954	872	341	1,263	3,122	2,671	618
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	3,734	675	115	41	256	352	407	91
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	744	55	2	189	516	257	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	133	95	16	39	36	44	67	53
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	46,977	4,754	651	290	2,022	2,233	3,173	508
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	37,207	5,121	961	320	1,762	3,020	3,080	620
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	16,093	2,873	715	208	662	1,341	1,776	394
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	662	102	22	5	27	44	68	11
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	9,152	1,451	309	88	449	606	948	195
Two Speed Idle (TSI)	Basic	Government Fleet	0	31	3	1	14	9	23	0
Two Speed Idle (TSI)	Basic	Referee	108	98	21	39	22	34	68	59
Two Speed Idle (TSI)	Basic	Test and Repair	129,554	16,321	3,287	1,018	4,728	6,775	10,976	2,058
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	12,242	754	142	30	257	279	494	80
Two Speed Idle (TSI)	Basic	Test Only	21,961	3,147	693	207	905	1,459	1,858	406
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	216	31	6	5	10	12	25	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,734	1,066	307	66	226	595	609	153
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	351	70	19	6	14	34	48	14
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	6,295	870	206	63	222	414	572	130
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	142	9	2	0	3	5	5	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,554	402	122	30	88	226	230	59
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,225	116	12	5	69	24	95	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,148	127	21	3	54	39	88	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	7,851	874	208	54	376	344	585	98
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	84	17	0	28	33	53	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	70	9	2	1	0	5	5	2

	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	Referee	156	78	14	39	23	21	38	45
Two Speed Idle (TSI)	Enhanced	Test and Repair	66,937	4,636	727	251	2,339	1,372	3,479	470
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,587	66	1	1	49	4	61	1
Two Speed Idle (TSI)	Enhanced	Test Only	82,214	7,628	1,441	337	3,676	2,746	5,172	662
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	109	16	2	1	8	3	15	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	115	18	4	2	6	7	11	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	641	95	27	3	27	48	51	11
Two Speed Idle (TSI)	Partial	Referee	8	3	1	0	1	2	2	1
Two Speed Idle (TSI)	Partial	Test and Repair	5,304	516	119	33	197	212	352	73
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	175	5	0	0	3	1	4	0
Two Speed Idle (TSI)	Partial	Test Only	2,234	236	58	13	81	96	145	33
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	988	166	23	8	71	47	133	24
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,808	319	75	28	103	137	222	52
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,462	156	40	10	59	63	105	19
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	23	7	1	6	15	7	1
Two Speed Idle (TSI)	Unknown Program	Referee	158	57	35	9	12	36	25	14
Two Speed Idle (TSI)	Unknown Program	Test and Repair	17,632	1,537	249	95	753	477	1,190	176
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,671	81	5	3	52	8	72	5
Two Speed Idle (TSI)	Unknown Program	Test Only	8,204	552	75	29	335	145	423	53
UnKnown TestType	Enhanced	Referee	31	4	0	3	0	4	3	4