

Executive Summary Report

SMOG CHECK Statewide

April 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	781,447	96,428	12.34%
Total	918,425	128,998	14.05%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	668,344	85.53%	113,103	14.47%
Total	766,482	83.46%	151,943	16.54%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	389,539	85.49%	66,122	14.51%
Total	451,592	84.14%	85,127	15.86%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	17,062	2.18%
All Emissions	54,738	7.00%
All Visual	10,986	1.41%
All Functional	58,248	7.45%
OBDII	28,719	3.68%
Overall	96,428	12.34%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	222,933	198,092
Directed Vehicles	232,728	191,447
Total	455,661	389,539

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	39,326	33,666
Directed Vehicles	193	20
Total	39,519	33,686

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,687	284	536	41	0	5,548
Test Only	2,063	40	19	1	0	2,123
Basic Area Dealer	0	1	120	0	0	121
Gold Shield	416	26	62	75	0	579
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	1	0	0	0	0	1
Total	7,484	362	785	120	0	8,751

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	621,126	77,949	12.55%	13,459	2.17%
Partially Enhanced	37,042	5,179	13.98%	881	2.38%
Basic	70,970	7,986	11.25%	1,725	2.43%
Change of Ownership	5,844	805	13.77%	238	4.07%
No Program	3	1	33.33%	0	0.00%
Unknown Program	46,462	4,508	9.70%	759	1.63%
Total Program Area	781,447	96,428	12.34%	17,062	2.18%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	455,661	64,514	14.16%	12,205	2.68%
Regular	275,496	25,793	9.36%	3,794	1.38%
Basic Area Dealer	5,363	282	5.26%	30	0.56%
Gold Shield in Enhanced Area	27,886	3,454	12.39%	537	1.93%
Gold Shield in Basic Area	7,420	1,085	14.62%	231	3.11%
Gold Shield in COO Area	4,213	552	13.10%	165	3.92%
Business Fleet	39	1	2.56%	0	0.00%
Permanent Fleet Registered	131	18	13.74%	2	1.53%
Referee	781	372	47.63%	74	9.48%
Government Fleet	4,456	357	8.01%	24	0.54%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	781,447	96,428	12.34%	17,062	2.18%

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	5	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-1972	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	9	4	44.44%	33.33%	33.33%	44.44%	11.11%	0.00%
MY-1975	27	5	18.52%	11.11%	3.70%	7.41%	3.70%	0.00%
MY-1976	1,651	439	26.59%	19.56%	9.09%	12.84%	9.27%	0.00%
MY-1977	2,192	540	24.64%	17.75%	8.62%	13.91%	8.21%	0.00%
MY-1978	2,607	664	25.47%	19.60%	8.59%	12.50%	6.94%	0.00%
MY-1979	2,724	782	28.71%	22.17%	10.61%	15.20%	9.10%	0.00%
MY-1980	1,680	483	28.75%	22.86%	11.90%	15.06%	8.39%	0.00%
MY-1981	2,038	624	30.62%	24.93%	12.02%	15.70%	7.90%	0.00%
MY-1982	2,527	702	27.78%	22.91%	9.66%	13.77%	7.32%	0.00%
MY-1983	3,529	975	27.63%	22.36%	10.85%	14.68%	6.74%	0.00%
MY-1984	6,384	1,866	29.23%	24.31%	11.80%	15.23%	6.81%	0.00%
MY-1985	8,753	2,482	28.36%	23.09%	11.02%	14.91%	6.34%	0.00%
MY-1986	11,929	3,067	25.71%	19.98%	8.99%	13.40%	5.29%	0.00%
MY-1987	14,307	3,842	26.85%	21.76%	8.76%	13.12%	4.49%	0.00%
MY-1988	17,330	4,046	23.35%	18.75%	7.40%	11.30%	3.88%	0.00%
MY-1989	22,632	4,672	20.64%	16.11%	5.74%	10.24%	2.98%	0.00%
MY-1990	26,645	5,258	19.73%	15.69%	5.28%	9.27%	2.37%	0.00%
MY-1991	29,530	5,167	17.50%	13.64%	4.45%	8.14%	1.96%	0.00%
MY-1992	29,610	4,743	16.02%	12.48%	3.85%	7.04%	1.78%	0.00%
MY-1993	34,242	5,990	17.49%	14.26%	3.28%	6.64%	1.66%	0.00%
MY-1994	37,601	5,529	14.70%	11.39%	2.43%	5.77%	1.63%	0.00%
MY-1995	55,259	6,306	11.41%	8.36%	1.70%	4.58%	1.28%	0.00%
MY-1996	33,528	5,990	17.87%	6.87%	1.14%	13.52%	1.11%	12.37%
MY-1997	67,066	8,026	11.97%	3.99%	0.68%	9.11%	0.76%	8.25%
MY-1998	47,568	5,119	10.76%	2.96%	0.48%	8.59%	0.69%	7.86%
MY-1999	89,617	6,235	6.96%	1.41%	0.29%	5.79%	0.44%	5.30%
MY-2000	40,163	3,309	8.24%	1.39%	0.34%	7.20%	0.44%	6.56%
MY-2001	124,344	7,094	5.71%	0.49%	0.13%	5.24%	0.29%	4.81%
MY-2002	19,458	874	4.49%	0.37%	0.12%	4.11%	0.17%	3.63%
MY-2003	22,567	748	3.31%	0.29%	0.08%	3.00%	0.12%	2.56%
MY-2004	7,871	287	3.65%	0.23%	0.09%	3.34%	0.22%	2.71%
MY-2005	5,930	206	3.47%	0.17%	0.05%	3.19%	0.25%	2.58%
MY-2006	6,910	254	3.68%	0.12%	0.04%	3.50%	0.16%	2.95%
MY-2007	3,200	99	3.09%	0.22%	0.09%	2.84%	0.13%	2.63%
MY-2008	11	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	781,447	96,428	12.34%	7.00%	2.18%	7.45%	1.41%	3.68%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	655
Certificate of Non Compliance	0
Parts Cost	92
Hardship Extensions	140
Exempt Vehicle	51
Exempted by Directive	141
Parts Exemption	4
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,083

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,190
Stations Locked-Out at Least Once	331
Stations Conducted at Least One Test	7,561

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,585	6,170
EA	Gas Endorsement	16	0
EB	Both Endorsement	59	0
EB	Gas Endorsement	563	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	412,003	48.15	40,824	48.50	452,827	48.18
Test and Repair	191,606	46.87	81,415	44.46	273,021	46.16
Test and Repair Dealer	17	31.12	5,372	46.60	5,389	46.55
Referee	509	30.00	167	30.00	676	30.00
Gold Shield in Enhanced Area	21,006	46.69	7,217	41.66	28,223	45.40
Gold Shield in Basic Area	30	63.47	7,421	34.41	7,451	34.53
Gold Shield in COO Area	61	75.10	4,199	47.81	4,260	48.20

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	7,380	22.34	23,708	200.08
	\$51-150	6,073	100.44		
	\$151-250	3,874	199.35		
	\$251-450	3,916	337.31		
	Over \$450	2,465	760.84		
CAP Repairs	\$1-50	150	26.49	3,375	334.44
	\$51-150	363	107.80		
	\$151-250	590	203.03		
	\$251-450	1,293	343.78		
	Over \$450	979	532.51		
Total Repairs	\$1-50	6,631	22.62	24,697	237.77
	\$51-150	5,241	100.52		
	\$151-250	4,117	199.96		
	\$251-450	5,040	341.30		
	Over \$450	3,668	723.01		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,018	334.44

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	Referee	1	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	45	12	1	0	5	5	8	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 Only	43	7	2	0	4	4	6	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	25	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	48	7	1	0	3	5	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	14,278	1,884	206	111	903	752	1,334	208
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	116	4	1	62	36	81	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	9	10	1	0	0	10	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	238	246	43	107	46	130	125	134
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	136,396	14,014	1,685	751	5,936	6,319	9,659	1,330
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	331,171	57,348	10,767	3,358	14,111	36,838	32,511	6,532
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,236	475	100	20	149	277	282	51
Acceleration Simulation Mode (ASM)	Partial	Referee	8	18	5	10	1	10	10	17
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,530	2,796	443	179	731	1,690	1,591	301
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,077	1,615	272	113	435	968	891	203
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,163	210	38	10	79	113	140	21
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	206	11	1	36	157	56	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	39	36	6	16	10	15	23	25
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,646	1,497	190	85	605	712	970	148
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,682	1,638	347	117	581	960	1,001	232
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,252	997	212	75	250	432	640	167

	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)	Basic	Gold Shield in COO Area	184	23	5	1	5	9	19	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,905	481	97	23	162	181	338	54
Two Speed Idle (TSI)	Basic	Government Fleet	0	13	1	0	6	5	8	0
Two Speed Idle (TSI)	Basic	Referee	31	39	10	15	9	14	32	27
Two Speed Idle (TSI)	Basic	Test and Repair	41,549	5,084	1,090	294	1,395	2,192	3,324	664
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,765	228	28	13	84	67	165	26
Two Speed Idle (TSI)	Basic	Test Only	7,028	1,100	279	71	315	529	643	137
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	75	6	3	0	3	4	6	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,899	375	124	28	60	224	201	62
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	107	19	4	0	5	7	12	1
Two Speed Idle (TSI)	Change of Ownership	Referee	4	4	1	2	1	1	1	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,021	265	62	24	72	127	175	37
Two Speed Idle (TSI)	Change of Ownership	Test Only	751	130	44	9	39	69	73	19
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	443	33	4	1	20	7	29	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	425	33	7	1	23	8	29	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,515	303	72	19	119	134	192	39
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	18	6	0	5	7	11	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	26	8	1	0	0	4	4	1
Two Speed Idle (TSI)	Enhanced	Referee	45	14	3	6	3	5	6	6
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,204	1,461	206	68	738	419	1,096	145
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	464	21	1	0	17	2	19	0
Two Speed Idle (TSI)	Enhanced	Test Only	26,494	2,431	452	125	1,149	895	1,654	229
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	26	6	2	0	0	2	5	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	193	20	4	3	5	8	11	4
Two Speed Idle (TSI)	Partial	Test and Repair	1,771	174	37	17	71	62	116	29
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	44	3	1	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Test Only	724	68	17	5	22	28	45	10
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	384	47	12	5	15	18	33	6
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,002	108	26	7	28	54	69	17

	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 Enhanced Area	464	61	16	3	26	24	46	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	3	2	1	0	2	0	1
Two Speed Idle (TSI)	Unknown Program	Referee	26	12	6	3	1	8	4	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,596	490	80	23	245	138	381	54
Two Speed Idle (TSI)	Unknown Program	Test Only	2,566	174	25	15	98	47	130	21