

# Executive Summary Report

## SMOG CHECK Statewide

Second Quarter 2007

### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,425,794	296,646	12.23%
Total	2,843,219	395,650	13.92%

### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,080,942	85.78%	344,852	14.22%
Total	2,380,455	83.72%	462,764	16.28%

### 3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,217,425	85.65%	203,900	14.35%
Total	1,407,054	84.32%	261,640	15.68%

### 4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	52,130	2.15%
All Emissions	168,747	6.96%
All Visual	33,811	1.39%
All Functional	178,098	7.34%
OBDII	88,327	3.64%
Overall	296,646	12.23%

### 5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	695,768	619,798
Directed Vehicles	725,557	597,627
Total	1,421,325	1,217,425

### 6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	122,767	105,768
Directed Vehicles	578	49
Total	123,345	105,817

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,778	293	543	41	0	5,655
Test Only	2,142	41	19	1	0	2,203
Basic Area Dealer	0	1	121	0	0	122
Gold Shield	410	27	63	76	0	576
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	7,648	373	794	121	0	8,936

### 8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,929,526	240,066	12.44%	41,112	2.13%
Partially Enhanced	115,107	16,112	14.00%	2,798	2.43%
Basic	222,321	24,483	11.01%	5,252	2.36%
Change of Ownership	17,470	2,425	13.88%	708	4.05%
No Program	16	5	31.25%	1	6.25%
Unknown Program	141,354	13,555	9.59%	2,259	1.60%
Total Program Area	2,425,794	296,646	12.23%	52,130	2.15%

### 9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,421,325	199,180	14.01%	37,213	2.62%
Regular	849,636	78,887	9.28%	11,708	1.38%
Basic Area Dealer	16,658	824	4.95%	86	0.52%
Gold Shield in Enhanced Area	86,925	10,452	12.02%	1,551	1.78%
Gold Shield in Basic Area	23,761	3,477	14.63%	760	3.20%
Gold Shield in COO Area	12,659	1,645	12.99%	480	3.79%
Business Fleet	104	8	7.69%	0	0.00%
Permanent Fleet Registered	299	43	14.38%	6	2.01%
Referee	2,466	1,117	45.30%	224	9.08%
Government Fleet	11,958	1,013	8.47%	102	0.85%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	2,425,794	296,646	12.23%	52,130	2.15%

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-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	5	3	60.00%	0.00%	0.00%	60.00%	40.00%	0.00%
MY-1973	4	2	50.00%	50.00%	0.00%	25.00%	0.00%	0.00%
MY-1974	21	6	28.57%	19.05%	14.29%	28.57%	14.29%	0.00%
MY-1975	51	13	25.49%	21.57%	9.80%	11.76%	7.84%	0.00%
MY-1976	5,074	1,331	26.23%	19.57%	9.36%	13.05%	8.59%	0.00%
MY-1977	6,875	1,721	25.03%	18.72%	8.93%	13.44%	7.85%	0.00%
MY-1978	7,958	2,032	25.53%	19.26%	9.03%	13.04%	7.59%	0.00%
MY-1979	8,307	2,398	28.87%	22.80%	11.12%	14.78%	8.85%	0.00%
MY-1980	5,208	1,430	27.46%	21.66%	11.06%	14.38%	8.49%	0.00%
MY-1981	6,420	1,897	29.55%	24.05%	11.50%	15.19%	7.90%	0.00%
MY-1982	7,525	2,137	28.40%	23.12%	10.64%	14.50%	7.67%	0.00%
MY-1983	10,984	3,121	28.41%	23.13%	10.88%	14.42%	7.16%	0.00%
MY-1984	19,470	5,670	29.12%	24.00%	12.11%	14.96%	6.98%	0.00%
MY-1985	26,439	7,458	28.21%	23.07%	10.85%	14.52%	6.14%	0.00%
MY-1986	36,358	9,330	25.66%	20.11%	8.96%	13.33%	5.00%	0.00%
MY-1987	43,331	11,689	26.98%	22.05%	8.84%	12.91%	4.47%	0.00%
MY-1988	53,077	12,366	23.30%	18.56%	7.22%	11.31%	3.83%	0.00%
MY-1989	69,043	14,267	20.66%	16.10%	5.78%	10.10%	3.09%	0.00%
MY-1990	80,690	15,472	19.17%	15.11%	5.14%	8.96%	2.41%	0.00%
MY-1991	90,927	15,855	17.44%	13.73%	4.45%	7.92%	1.89%	0.00%
MY-1992	91,877	14,656	15.95%	12.39%	3.81%	6.99%	1.73%	0.00%
MY-1993	106,624	18,527	17.38%	14.21%	3.19%	6.52%	1.72%	0.00%
MY-1994	115,140	16,797	14.59%	11.32%	2.41%	5.75%	1.64%	0.00%
MY-1995	172,011	20,002	11.63%	8.51%	1.71%	4.60%	1.24%	0.00%
MY-1996	103,880	18,292	17.61%	6.97%	1.12%	13.04%	1.11%	11.88%
MY-1997	211,284	24,938	11.80%	3.99%	0.67%	8.98%	0.75%	8.09%
MY-1998	147,532	15,971	10.83%	3.09%	0.51%	8.61%	0.70%	7.85%
MY-1999	283,349	19,205	6.78%	1.42%	0.28%	5.60%	0.46%	5.11%
MY-2000	121,723	9,819	8.07%	1.35%	0.31%	7.01%	0.46%	6.36%
MY-2001	393,617	22,801	5.79%	0.54%	0.13%	5.32%	0.29%	4.89%
MY-2002	58,940	2,653	4.50%	0.45%	0.10%	4.08%	0.20%	3.58%
MY-2003	67,770	2,308	3.41%	0.28%	0.07%	3.08%	0.14%	2.63%
MY-2004	24,918	909	3.65%	0.22%	0.06%	3.35%	0.21%	2.79%
MY-2005	18,568	644	3.47%	0.19%	0.05%	3.14%	0.27%	2.64%
MY-2006	20,320	643	3.16%	0.11%	0.03%	3.00%	0.12%	2.60%
MY-2007	10,382	282	2.72%	0.23%	0.14%	2.47%	0.16%	2.22%
MY-2008	75	1	1.33%	0.00%	0.00%	1.33%	0.00%	1.33%
MY-2009	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,425,794	296,646	12.23%	6.96%	2.15%	7.34%	1.39%	3.64%

**11. Referee Activity**

	Certificates Issued
Certificate of Compliance	2,084
Certificate of Non Compliance	1
Parts Cost	272
Hardship Extensions	432
Exempt Vehicle	159
Exempted by Directive	380
Parts Exemption	7
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	<b>3,335</b>

**12. Active Stations**

	Station Count
Licensed Stations that did not Conduct a Test	1,115
Stations Locked-Out at Least Once	1,105
Stations Conducted at Least One Test	7,821

**13. Active Technicians**

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,197	6,100
EA	Gas Endorsement	16	0
EB	Both Endorsement	66	0
EB	Gas Endorsement	584	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	1,285,143	48.10	128,391	48.29	1,413,534	48.12
Test and Repair	589,345	46.68	252,812	44.40	842,157	46.00
Test and Repair Dealer	57	48.18	16,664	46.50	16,721	46.51
Referee	1,626	30.00	540	30.00	2,166	30.00
Gold Shield in Enhanced Area	65,047	46.67	22,671	41.47	87,718	45.32
Gold Shield in Basic Area	130	63.58	23,898	34.27	24,028	34.43
Gold Shield in COO Area	144	66.04	12,682	47.96	12,826	48.16

**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	22,299	22.37	<b>72,969</b>	<b>204.41</b>
	\$51-150	18,794	100.67		
	\$151-250	12,018	199.16		
	\$251-450	12,143	336.18		
	Over \$450	7,715	784.06		
CAP Repairs	\$1-50	489	24.95	<b>10,514</b>	<b>338.05</b>
	\$51-150	1,115	108.29		
	\$151-250	1,745	202.67		
	\$251-450	4,020	346.70		
	Over \$450	3,145	532.24		
Total Repairs	\$1-50	20,023	22.66	<b>75,931</b>	<b>243.25</b>
	\$51-150	16,103	100.98		
	\$151-250	12,724	199.80		
	\$251-450	15,474	340.75		
	Over \$450	11,607	738.79		

**16. CAP Repair Costs**

	Total Vehicles	Average Repair Cost
CAP Repairs	9,377	338.05

**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	10	3	0	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	1	0	1	0	1	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	125	23	3	0	6	13	13	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	104	22	7	0	6	16	14	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	14	3	0	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	9	4	0	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	67	8	0	0	0	7	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	104	9	1	0	3	4	6	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	117	15	1	1	7	5	11	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	44,815	5,713	611	312	2,768	2,305	4,015	593
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	287	12	2	139	101	192	3
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	40	18	1	0	8	10	8	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	769	745	124	336	137	403	380	428
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	420,666	42,587	5,066	2,242	18,338	19,078	29,306	4,052
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	19	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,034,960	177,143	32,880	10,287	43,573	113,779	99,740	20,262
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	3	4	1	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	6,811	1,430	260	79	410	853	817	170
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	9	2	0	1	7	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	28	52	14	23	11	32	32	37
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	51,680	8,887	1,484	528	2,271	5,393	4,962	1,001

	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 Dealer	33	4	1	0	0	4	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	27,929	4,866	838	326	1,268	2,955	2,709	621
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	3	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	3,707	624	104	37	234	340	397	67
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	621	66	3	121	471	177	5
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	137	90	21	38	21	42	60	59
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	44,262	4,540	599	272	1,874	2,157	2,979	496
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	36,642	4,966	982	349	1,753	2,888	3,042	681
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	17,109	3,152	690	211	743	1,364	2,051	457
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	602	79	19	6	16	36	51	14
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	9,192	1,470	303	80	459	573	1,003	213
Two Speed Idle (TSI)	Basic	Government Fleet	0	30	3	0	11	15	15	0
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	1	2	1	0	0	1	1	1
Two Speed Idle (TSI)	Basic	Referee	89	99	24	49	18	38	65	70
Two Speed Idle (TSI)	Basic	Test and Repair	130,091	15,659	3,374	896	4,422	6,793	10,272	1,945
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	11,842	652	81	37	228	211	452	81
Two Speed Idle (TSI)	Basic	Test Only	21,950	3,291	747	201	934	1,551	1,945	403
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	194	34	16	1	9	22	24	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,747	1,096	349	90	170	662	570	165
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	320	82	24	3	28	40	52	9
Two Speed Idle (TSI)	Change of Ownership	Referee	5	14	7	5	1	8	9	12
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,898	787	190	60	215	370	519	104
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,373	398	122	32	96	217	222	57
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,301	116	18	7	53	36	88	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,273	96	14	5	55	22	83	8

	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	Gold Shield in Enhanced Area	8,082	889	200	59	340	387	560	129
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	52	15	0	19	20	33	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	90	20	4	2	0	8	11	9
Two Speed Idle (TSI)	Enhanced	Referee	141	68	10	30	26	21	37	35
Two Speed Idle (TSI)	Enhanced	Test and Repair	66,122	4,469	643	217	2,303	1,306	3,340	426
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,425	73	1	2	61	2	70	2
Two Speed Idle (TSI)	Enhanced	Test Only	83,235	7,756	1,511	345	3,609	2,908	5,214	686
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	149	12	0	1	7	1	10	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	93	16	2	3	4	2	14	4
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	620	75	18	6	32	29	50	10
Two Speed Idle (TSI)	Partial	Referee	12	4	1	0	3	1	4	0
Two Speed Idle (TSI)	Partial	Test and Repair	5,402	532	121	47	193	209	345	91
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	157	8	1	0	6	1	7	0
Two Speed Idle (TSI)	Partial	Test Only	2,282	217	56	16	68	100	120	32
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,143	154	35	13	47	60	105	26
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,960	342	94	31	94	176	219	57
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,440	166	31	8	72	60	123	18
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	14	4	1	3	9	4	1
Two Speed Idle (TSI)	Unknown Program	Referee	98	41	23	9	6	28	18	19
Two Speed Idle (TSI)	Unknown Program	Test and Repair	16,657	1,399	228	81	682	431	1,059	165
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,595	81	2	5	51	8	71	7
Two Speed Idle (TSI)	Unknown Program	Test Only	7,938	513	69	34	283	147	379	56
UnKnown TestType	Enhanced	Referee	20	1	0	0	0	1	0	1