

# Executive Summary Report

## SMOG CHECK Statewide

Second Quarter 2006

### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,438,127	313,990	12.88%
Total	2,885,420	419,964	14.55%

### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,070,262	84.91%	367,865	15.09%
Total	2,388,781	82.79%	496,639	17.21%

### 3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,144,631	84.73%	206,208	15.27%
Total	1,337,813	83.38%	266,697	16.62%

### 4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	59,647	2.45%
All Emissions	191,445	7.85%
All Visual	35,314	1.45%
All Functional	179,896	7.38%
OBDII	78,697	3.23%
Overall	313,990	12.88%

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

	Initial Tests	Certificates Issued
Volunteers	645,068	568,363
Directed Vehicles	705,771	576,268
Total	1,350,839	1,144,631

### 6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	134,543	115,032
Directed Vehicles	826	133
Total	135,369	115,165

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,998	284	536	47	0	5,865
Test Only	2,066	37	16	2	0	2,121
Basic Area Dealer	1	1	122	0	0	124
Gold Shield	450	27	60	72	0	609
Business Fleet	6	1	0	0	0	7
Permanent Fleet Registered	46	2	8	0	0	56
Referee	34	0	6	1	0	41
Government Fleet	240	8	36	2	0	286
Unknown Type	0	0	0	0	0	0
Total	7,841	360	784	124	0	9,109

### 8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,933,204	254,769	13.18%	47,424	2.45%
Partially Enhanced	112,769	16,448	14.59%	3,126	2.77%
Basic	215,752	24,408	11.31%	5,687	2.64%
Change of Ownership	17,911	2,583	14.42%	725	4.05%
No Program	12	1	8.33%	1	8.33%
Unknown Program	158,479	15,781	9.96%	2,684	1.69%
Total Program Area	2,438,127	313,990	12.88%	59,647	2.45%

### 9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,350,839	200,839	14.87%	41,441	3.07%
Regular	920,641	92,135	10.01%	14,446	1.57%
Basic Area Dealer	17,486	893	5.11%	132	0.75%
Gold Shield in Enhanced Area	102,973	12,978	12.60%	2,027	1.97%
Gold Shield in Basic Area	19,698	3,009	15.28%	741	3.76%
Gold Shield in COO Area	11,969	1,657	13.84%	459	3.83%
Business Fleet	73	5	6.85%	1	1.37%
Permanent Fleet Registered	549	63	11.48%	7	1.28%
Referee	2,773	1,310	47.24%	277	9.99%
Government Fleet	10,396	969	9.32%	87	0.84%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	2,438,127	313,990	12.88%	59,647	2.45%

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-1952	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1960	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	7	4	57.14%	57.14%	57.14%	0.00%	0.00%	0.00%
MY-1966	3	1	33.33%	33.33%	33.33%	0.00%	0.00%	0.00%
MY-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	3	3	100.00%	66.67%	33.33%	66.67%	66.67%	0.00%
MY-1969	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	3	3	100.00%	100.00%	66.67%	66.67%	33.33%	0.00%
MY-1972	4	2	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1973	6	3	50.00%	33.33%	16.67%	0.00%	16.67%	0.00%
MY-1974	44	14	31.82%	20.45%	15.91%	20.45%	11.36%	0.00%
MY-1975	101	27	26.73%	24.75%	11.88%	9.90%	6.93%	0.00%
MY-1976	5,920	1,652	27.91%	21.69%	10.49%	14.31%	7.94%	0.00%
MY-1977	8,004	2,129	26.60%	19.55%	8.91%	14.52%	7.88%	0.00%
MY-1978	9,385	2,504	26.68%	19.39%	9.11%	14.21%	7.98%	0.00%
MY-1979	9,345	2,667	28.54%	22.55%	11.06%	14.93%	8.54%	0.00%
MY-1980	6,286	1,852	29.46%	23.21%	12.57%	16.43%	9.20%	0.00%
MY-1981	7,590	2,282	30.07%	24.53%	11.67%	16.17%	8.25%	0.00%
MY-1982	9,164	2,740	29.90%	24.91%	11.73%	15.44%	7.67%	0.00%
MY-1983	13,507	4,065	30.10%	24.99%	11.27%	15.05%	7.15%	0.00%
MY-1984	23,830	7,315	30.70%	25.56%	12.52%	15.53%	7.06%	0.00%
MY-1985	31,930	9,368	29.34%	24.14%	11.61%	15.15%	6.12%	0.00%
MY-1986	43,420	11,290	26.00%	20.46%	9.12%	13.65%	4.96%	0.00%
MY-1987	51,938	14,430	27.78%	22.95%	9.13%	13.15%	4.45%	0.00%
MY-1988	63,723	15,497	24.32%	19.63%	7.55%	11.87%	3.62%	0.00%
MY-1989	80,501	17,168	21.33%	16.57%	5.82%	10.47%	2.95%	0.00%
MY-1990	92,154	17,827	19.34%	15.25%	4.98%	8.94%	2.12%	0.00%
MY-1991	103,217	18,101	17.54%	13.82%	4.46%	7.81%	1.87%	0.00%
MY-1992	101,971	16,281	15.97%	12.41%	3.76%	6.87%	1.60%	0.00%
MY-1993	119,809	20,659	17.24%	13.99%	3.13%	6.42%	1.53%	0.00%
MY-1994	152,025	19,882	13.08%	10.09%	1.99%	4.96%	1.32%	0.00%
MY-1995	130,898	16,296	12.45%	9.28%	1.92%	4.85%	1.28%	0.00%
MY-1996	198,672	27,602	13.89%	5.53%	0.75%	9.93%	0.78%	9.00%
MY-1997	144,333	18,940	13.12%	4.59%	0.77%	9.96%	0.73%	8.97%
MY-1998	250,831	20,510	8.18%	2.36%	0.40%	6.31%	0.47%	5.72%
MY-1999	157,836	12,029	7.62%	1.64%	0.32%	6.31%	0.41%	5.74%
MY-2000	399,931	21,436	5.36%	0.75%	0.15%	4.69%	0.29%	4.24%
MY-2001	66,203	3,640	5.50%	0.61%	0.15%	4.97%	0.18%	4.41%
MY-2002	70,435	2,742	3.89%	0.34%	0.08%	3.54%	0.18%	3.06%
MY-2003	29,663	1,002	3.38%	0.26%	0.08%	3.10%	0.16%	2.58%
MY-2004	20,606	711	3.45%	0.21%	0.08%	3.14%	0.17%	2.68%
MY-2005	23,552	882	3.74%	0.13%	0.07%	3.51%	0.14%	3.16%
MY-2006	11,007	416	3.78%	0.29%	0.15%	3.43%	0.08%	3.20%
MY-2007	265	16	6.04%	0.00%	0.00%	6.04%	0.00%	6.04%
MY-2008	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,438,127	313,990	12.88%	7.85%	2.45%	7.38%	1.45%	3.23%

### 11. Referee Activity

	Certificates Issued
Certificate of Compliance	2,508
Certificate of Non Compliance	6
Parts Cost	273
Hardship Extensions	322
Exempt Vehicle	112
Exempted by Directive	436
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	<b>3,662</b>

### 12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,171
Stations Locked-Out at Least Once	722
Stations Conducted at Least One Test	7,938

### 13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,546	6,243
EA	Gas Endorsement	23	0
EB	Both Endorsement	59	0
EB	Gas Endorsement	621	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	1,226,193	48.60	110,901	48.47	1,337,094	48.59
Test and Repair	656,006	46.61	251,267	43.90	907,273	45.86
Test and Repair Dealer	64	42.92	17,480	45.85	17,544	45.84
Referee	1,936	30.00	442	30.00	2,378	30.00
Gold Shield in Enhanced Area	80,928	46.61	22,554	43.53	103,482	45.94
Gold Shield in Basic Area	110	45.93	19,887	37.05	19,997	37.10
Gold Shield in COO Area	154	59.98	11,977	50.15	12,131	50.28

### 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	24,512	22.95	<b>82,165</b>	<b>198.34</b>
	\$51-150	22,226	100.00		
	\$151-250	13,716	198.89		
	\$251-450	13,556	335.14		
	Over \$450	8,155	765.16		
CAP Repairs	\$1-50	625	25.74	<b>9,384</b>	<b>307.55</b>
	\$51-150	1,271	105.56		
	\$151-250	1,876	202.28		
	\$251-450	3,390	344.17		
	Over \$450	2,222	535.36		
Total Repairs	\$1-50	22,833	23.21	<b>85,048</b>	<b>225.55</b>
	\$51-150	19,910	100.23		
	\$151-250	14,675	199.38		
	\$251-450	16,565	338.39		
	Over \$450	11,065	734.33		

### 16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	8,262	307.55

### 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	22	5	0	0	2	2	3	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	136	22	2	1	6	14	13	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	109	24	3	2	4	18	11	5
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	12	4	1	1	2	2	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	18	2	1	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	42	5	1	0	0	5	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	85	16	2	0	5	11	8	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	119	15	1	2	6	5	11	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	56,631	7,782	931	445	3,068	3,709	4,984	881
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	48	4	0	23	20	31	0
Acceleration Simulation Mode (ASM)	Enhanced	Gross Polluter Certification	26	4	0	0	3	1	3	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	202	42	4	1	11	29	12	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	919	888	166	354	172	481	457	472
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	469,694	53,537	6,699	2,897	19,484	27,091	34,047	5,200
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	13	3	1	0	0	3	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	978,294	180,010	37,011	10,424	34,677	123,972	96,130	20,318
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	4	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	13	2	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,431	1,668	290	105	383	1,084	898	212
Acceleration Simulation Mode (ASM)	Partial	Referee	35	70	11	30	12	36	36	41
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	50,725	8,984	1,674	554	1,944	5,790	4,812	1,029
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	44	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)	Partial	Test Only	26,139	4,879	923	274	1,068	3,141	2,595	597
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	2	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,496	845	144	51	287	464	513	99
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	816	64	1	239	539	300	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	170	95	23	34	20	51	61	51
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	50,862	5,453	806	311	2,114	2,802	3,506	556
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	37,180	5,368	1,067	337	1,787	3,155	3,275	666
Two Speed Idle (TSI)	Basic	Gold Shield Dealer	234	53	9	8	10	17	43	11
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	13,528	2,594	654	188	500	1,195	1,680	384
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	341	50	15	2	13	26	28	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	8,825	1,413	329	108	383	610	938	225
Two Speed Idle (TSI)	Basic	Government Fleet	0	5	0	0	4	1	4	0
Two Speed Idle (TSI)	Basic	Gross Polluter Certification	33	8	2	0	1	3	5	0
Two Speed Idle (TSI)	Basic	Referee	114	89	17	40	16	32	52	48
Two Speed Idle (TSI)	Basic	Test and Repair	129,603	16,569	3,806	1,036	3,996	7,686	10,726	2,037
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	11,904	690	119	44	205	255	444	90
Two Speed Idle (TSI)	Basic	Test Only	19,473	2,884	731	164	678	1,470	1,610	368
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	293	81	26	10	8	45	46	21
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,265	1,112	336	82	209	610	662	149
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	397	82	18	7	19	40	46	17
Two Speed Idle (TSI)	Change of Ownership	Gross Polluter Certification	187	44	10	1	11	17	30	1
Two Speed Idle (TSI)	Change of Ownership	Referee	8	13	5	5	2	7	7	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	6,360	844	220	52	220	434	534	94
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	134	8	0	0	5	1	7	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,097	393	108	38	84	210	227	67
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,210	128	20	10	55	31	99	13

	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 COO Area	1,086	115	11	6	53	30	90	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	8,167	933	258	49	303	449	565	112
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	10	3	0	3	7	3	0
Two Speed Idle (TSI)	Enhanced	Gross Polluter Certification	20	4	3	0	0	3	1	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	108	18	3	4	0	7	14	5
Two Speed Idle (TSI)	Enhanced	Referee	154	96	22	45	22	30	49	55
Two Speed Idle (TSI)	Enhanced	Test and Repair	61,580	4,505	830	235	2,064	1,586	3,181	438
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,705	90	4	0	67	14	79	1
Two Speed Idle (TSI)	Enhanced	Test Only	71,143	6,516	1,450	282	2,752	2,681	4,176	554
Two Speed Idle (TSI)	No Program	Test and Repair	5	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	108	14	3	2	5	4	10	2
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	103	7	2	0	3	2	5	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	654	87	29	3	20	51	47	10
Two Speed Idle (TSI)	Partial	Referee	8	4	3	1	0	3	1	1
Two Speed Idle (TSI)	Partial	Test and Repair	4,629	502	141	35	119	271	298	60
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	165	9	1	0	4	1	8	0
Two Speed Idle (TSI)	Partial	Test Only	2,095	216	49	13	65	92	117	31
Two Speed Idle (TSI)	Unknown Program	Gold Shield Dealer	22	5	1	0	3	1	4	1
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,098	174	36	14	59	64	125	24
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,012	355	94	25	109	170	245	52
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,681	163	28	12	72	62	109	28
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	90	16	0	31	42	47	2
Two Speed Idle (TSI)	Unknown Program	Gross Polluter Certification	36	8	4	0	2	5	3	0
Two Speed Idle (TSI)	Unknown Program	Referee	117	53	30	10	8	34	20	17
Two Speed Idle (TSI)	Unknown Program	Test and Repair	18,993	1,714	266	90	848	513	1,316	176
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,949	92	7	0	62	17	78	3
Two Speed Idle (TSI)	Unknown Program	Test Only	8,077	546	98	28	281	183	393	57
Unknown TestType	Enhanced	Test Only	0	1	0	0	1	1	1	0