

Executive Summary Report

SMOG CHECK Statewide

September 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	765,421	97,896	12.79%
Total	903,087	130,252	14.42%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	652,471	85.24%	112,950	14.76%
Total	751,151	83.18%	151,936	16.82%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	378,293	85.16%	65,923	14.84%
Total	439,415	83.84%	84,716	16.16%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	18,571	2.43%
All Emissions	58,817	7.68%
All Visual	10,830	1.41%
All Functional	56,961	7.44%
OBDII	25,803	3.37%
Overall	97,896	12.79%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	218,555	192,036
Directed Vehicles	225,661	186,257
Total	444,216	378,293

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	39,381	33,651
Directed Vehicles	201	19
Total	39,582	33,670

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,830	282	525	46	0	5,683
Test Only	2,025	36	17	1	0	2,079
Basic Area Dealer	1	1	119	0	0	121
Gold Shield	427	28	66	69	0	590
Business Fleet	6	1	0	0	0	7
Permanent Fleet Registered	36	1	6	0	0	43
Referee	34	0	6	1	0	41
Government Fleet	241	8	36	2	0	287
Unknown Type	1	0	0	0	0	1
Total	7,601	357	775	119	0	8,852

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	607,022	79,390	13.08%	14,775	2.43%
Partially Enhanced	35,244	5,050	14.33%	974	2.76%
Basic	67,945	7,766	11.43%	1,805	2.66%
Change of Ownership	6,107	883	14.46%	248	4.06%
No Program	7	1	14.29%	0	0.00%
Unknown Program	49,096	4,806	9.79%	769	1.57%
Total Program Area	765,421	97,896	12.79%	18,571	2.43%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	444,216	64,100	14.43%	13,126	2.95%
Regular	273,751	27,701	10.12%	4,329	1.58%
Basic Area Dealer	5,157	298	5.78%	47	0.91%
Gold Shield in Enhanced Area	28,470	3,665	12.87%	571	2.01%
Gold Shield in Basic Area	7,072	995	14.07%	253	3.58%
Gold Shield in COO Area	4,040	540	13.37%	149	3.69%
Business Fleet	19	1	5.26%	0	0.00%
Permanent Fleet Registered	127	9	7.09%	0	0.00%
Referee	815	406	49.82%	70	8.59%
Government Fleet	1,753	181	10.33%	26	1.48%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	765,421	97,896	12.79%	18,571	2.43%

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-1965	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1967	1	1	100.00%	100.00%	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-1969	3	2	66.67%	66.67%	33.33%	0.00%	33.33%	0.00%
MY-1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	1	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%
MY-1973	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	10	1	10.00%	10.00%	0.00%	10.00%	10.00%	0.00%
MY-1975	12	2	16.67%	16.67%	16.67%	0.00%	0.00%	0.00%
MY-1976	1,442	383	26.56%	20.11%	8.74%	13.11%	7.84%	0.00%
MY-1977	2,367	616	26.02%	19.65%	9.34%	14.79%	7.82%	0.00%
MY-1978	2,674	726	27.15%	20.16%	8.68%	14.36%	8.19%	0.00%
MY-1979	3,132	921	29.41%	23.12%	11.53%	15.71%	9.20%	0.00%
MY-1980	1,860	481	25.86%	20.16%	10.54%	14.62%	7.63%	0.00%
MY-1981	2,228	677	30.39%	25.22%	11.67%	15.57%	8.35%	0.00%
MY-1982	2,673	806	30.15%	25.40%	11.97%	14.89%	7.41%	0.00%
MY-1983	3,661	1,067	29.15%	23.82%	11.36%	15.51%	7.81%	0.00%
MY-1984	6,731	2,036	30.25%	25.12%	12.35%	15.30%	6.70%	0.00%
MY-1985	9,168	2,622	28.60%	23.63%	11.09%	14.55%	5.97%	0.00%
MY-1986	14,651	3,828	26.13%	20.93%	9.54%	13.42%	4.77%	0.00%
MY-1987	16,224	4,418	27.23%	22.61%	9.51%	13.04%	4.47%	0.00%
MY-1988	19,198	4,657	24.26%	19.96%	7.74%	12.05%	3.38%	0.00%
MY-1989	26,171	5,469	20.90%	16.19%	5.81%	10.08%	2.73%	0.00%
MY-1990	27,845	5,379	19.32%	15.24%	5.29%	9.19%	2.33%	0.00%
MY-1991	33,531	5,795	17.28%	13.46%	4.17%	7.86%	1.75%	0.00%
MY-1992	31,554	5,026	15.93%	12.28%	3.70%	6.93%	1.63%	0.00%
MY-1993	36,757	6,222	16.93%	13.75%	3.15%	6.19%	1.50%	0.00%
MY-1994	45,504	5,938	13.05%	10.20%	2.13%	4.88%	1.31%	0.00%
MY-1995	43,218	5,410	12.52%	9.33%	1.88%	4.92%	1.27%	0.00%
MY-1996	55,979	8,093	14.46%	5.55%	0.83%	10.63%	0.85%	9.60%
MY-1997	44,510	5,973	13.42%	4.63%	0.81%	10.19%	0.80%	9.19%
MY-1998	82,378	6,936	8.42%	2.43%	0.42%	6.60%	0.43%	5.99%
MY-1999	44,534	3,612	8.11%	1.69%	0.37%	6.81%	0.52%	6.20%
MY-2000	133,367	7,628	5.72%	0.80%	0.19%	5.03%	0.30%	4.57%
MY-2001	21,673	1,238	5.71%	0.73%	0.18%	5.12%	0.27%	4.63%
MY-2002	22,043	888	4.03%	0.30%	0.07%	3.70%	0.19%	3.21%
MY-2003	9,975	328	3.29%	0.27%	0.08%	2.98%	0.23%	2.58%
MY-2004	7,262	241	3.32%	0.21%	0.08%	3.08%	0.14%	2.56%
MY-2005	6,482	220	3.39%	0.15%	0.06%	3.09%	0.23%	2.75%
MY-2006	6,197	231	3.73%	0.16%	0.10%	3.61%	0.21%	3.29%
MY-2007	398	22	5.53%	0.00%	0.00%	5.28%	0.25%	4.52%
MY-2008	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	765,421	97,896	12.79%	7.68%	2.43%	7.44%	1.41%	3.37%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	700
Certificate of Non Compliance	3
Parts Cost	89
Hardship Extensions	96
Exempt Vehicle	18
Exempted by Directive	154
Parts Exemption	1
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,061

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,257
Stations Locked-Out at Least Once	314
Stations Conducted at Least One Test	7,595

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,722	6,081
EA	Gas Endorsement	19	0
EB	Both Endorsement	53	0
EB	Gas Endorsement	577	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	403,672	48.29	37,891	48.50	441,563	48.31
Test and Repair	193,541	46.41	77,071	44.09	270,612	45.75
Test and Repair Dealer	20	57.45	5,154	47.52	5,174	47.56
Referee	594	30.00	142	30.00	736	30.00
Gold Shield in Enhanced Area	21,893	45.86	6,784	42.56	28,677	45.08
Gold Shield in Basic Area	19	71.53	7,147	36.24	7,166	36.33
Gold Shield in COO Area	77	43.42	4,004	46.45	4,081	46.39

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	7,216	22.58	23,899	202.20
	\$51-150	6,238	100.15		
	\$151-250	3,991	199.40		
	\$251-450	4,004	336.55		
	Over \$450	2,450	776.09		
CAP Repairs	\$1-50	185	24.84	2,794	308.89
	\$51-150	387	100.77		
	\$151-250	477	202.35		
	\$251-450	1,062	344.65		
	Over \$450	683	522.57		
Total Repairs	\$1-50	6,652	22.84	24,723	230.37
	\$51-150	5,582	100.52		
	\$151-250	4,242	199.56		
	\$251-450	4,924	339.76		
	Over \$450	3,323	741.18		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,500	308.89

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	11	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	0	0	0	1	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)	Basic	Test and Repair	59	11	3	0	2	5	8	2
Acceleration Simulation Mode (ASM)	Basic	Test Only	29	5	1	1	0	4	1	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	6	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	1	2	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	13	5	1	1	1	2	2	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	53	14	1	1	4	8	6	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	14,850	2,123	232	117	956	992	1,399	223
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	82	10	0	27	47	38	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	283	292	47	117	58	161	143	151
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	136,023	15,825	2,023	854	6,103	7,806	10,373	1,583
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	321,879	57,197	11,715	3,234	11,776	38,776	31,108	6,182
Acceleration Simulation Mode (ASM)	No Program	Test Only	3	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,222	504	116	25	118	329	273	58
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Referee	8	16	2	7	4	9	9	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,374	2,745	488	182	647	1,711	1,525	323
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	9	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,691	1,559	314	95	355	999	805	190
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	6	1	1	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)	Unknown Program	Gold Shield in Enhanced Area	1,360	226	30	16	82	112	141	35
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	68	6	0	18	48	24	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	38	41	8	21	11	16	28	26
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	15,959	1,629	217	89	660	819	1,042	161
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,677	1,834	337	96	635	1,068	1,116	204
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,737	852	220	53	176	414	522	110
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	252	41	11	4	14	18	27	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,745	440	98	37	114	203	286	67
Two Speed Idle (TSI)	Basic	Government Fleet	0	6	4	0	1	5	1	0
Two Speed Idle (TSI)	Basic	Referee	31	18	4	8	2	10	12	9
Two Speed Idle (TSI)	Basic	Test and Repair	40,125	5,214	1,182	332	1,289	2,358	3,386	666
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,485	225	45	11	68	92	136	20
Two Speed Idle (TSI)	Basic	Test Only	6,562	951	236	55	247	465	551	117
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	161	22	9	3	3	13	10	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,718	348	105	22	60	214	179	54
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	117	38	9	3	6	19	20	6
Two Speed Idle (TSI)	Change of Ownership	Referee	3	7	2	5	1	5	3	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,200	339	88	21	77	173	219	47
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	46	3	2	0	1	2	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	780	123	33	10	28	60	78	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	493	43	7	0	21	13	32	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	330	40	7	0	18	15	29	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,300	248	67	23	84	126	142	43
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	20	5	0	6	8	12	0
Two Speed Idle (TSI)	Enhanced	Referee	34	22	5	12	7	6	12	16
Two Speed Idle (TSI)	Enhanced	Test and Repair	17,725	1,257	219	60	571	428	879	122
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	469	34	0	0	23	3	31	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
Two Speed Idle (TSI)	Enhanced	Test Only	24,079	2,178	436	96	954	822	1,459	199
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	54	5	1	0	3	1	4	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	185	24	5	2	11	8	14	6
Two Speed Idle (TSI)	Partial	Test and Repair	1,498	133	36	7	43	64	83	14
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	57	3	0	0	1	1	2	0
Two Speed Idle (TSI)	Partial	Test Only	696	55	12	2	18	33	26	6
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	465	68	15	7	27	27	44	10
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,013	94	24	8	23	44	62	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	543	61	13	7	22	26	43	15
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	4	1	0	1	2	2	0
Two Speed Idle (TSI)	Unknown Program	Referee	18	6	2	2	1	4	2	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,297	547	73	39	287	147	429	68
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	628	32	0	0	24	1	31	0
Two Speed Idle (TSI)	Unknown Program	Test Only	2,896	195	42	14	107	65	138	22