

Executive Summary Report

SMOG CHECK Statewide

July 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	787,538	100,480	12.76%
Total	926,803	134,117	14.47%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	672,634	85.41%	114,904	14.59%
Total	771,458	83.24%	155,345	16.76%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	380,878	84.97%	67,372	15.03%
Total	441,647	83.57%	86,850	16.43%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	18,940	2.40%
All Emissions	61,867	7.86%
All Visual	10,708	1.36%
All Functional	56,742	7.20%
OBDII	25,323	3.22%
Overall	100,480	12.76%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	217,084	191,264
Directed Vehicles	231,166	189,614
Total	448,250	380,878

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	41,516	35,845
Directed Vehicles	213	50
Total	41,729	35,895

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,829	280	520	44	0	5,673
Test Only	2,006	37	16	1	0	2,060
Basic Area Dealer	1	1	121	0	0	123
Gold Shield	434	27	61	72	0	594
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	240	8	36	2	0	286
Unknown Type	0	0	0	0	0	0
Total	7,586	355	766	120	0	8,827

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	629,719	81,815	12.99%	15,078	2.39%
Partially Enhanced	35,706	5,311	14.87%	1,015	2.84%
Basic	69,647	7,869	11.30%	1,810	2.60%
Change of Ownership	5,634	800	14.20%	244	4.33%
No Program	5	1	20.00%	0	0.00%
Unknown Program	46,827	4,684	10.00%	793	1.69%
Total Program Area	787,538	100,480	12.76%	18,940	2.40%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	448,250	65,682	14.65%	13,415	2.99%
Regular	289,828	28,764	9.92%	4,393	1.52%
Basic Area Dealer	5,280	266	5.04%	50	0.95%
Gold Shield in Enhanced Area	31,551	3,783	11.99%	611	1.94%
Gold Shield in Basic Area	6,271	928	14.80%	210	3.35%
Gold Shield in COO Area	3,907	505	12.93%	165	4.22%
Business Fleet	9	0	0.00%	0	0.00%
Permanent Fleet Registered	166	7	4.22%	2	1.20%
Referee	827	398	48.13%	84	10.16%
Government Fleet	1,448	147	10.15%	10	0.69%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	787,538	100,480	12.76%	18,940	2.40%

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-1969	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
MY-1972	1	1	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
MY-1974	13	3	23.08%	15.38%	0.00%	7.69%	7.69%	0.00%
MY-1975	22	3	13.64%	9.09%	0.00%	9.09%	0.00%	0.00%
MY-1976	1,717	471	27.43%	21.26%	11.07%	14.74%	8.04%	0.00%
MY-1977	2,435	656	26.94%	19.88%	8.71%	13.88%	7.84%	0.00%
MY-1978	2,848	762	26.76%	20.72%	9.80%	13.24%	7.94%	0.00%
MY-1979	2,822	850	30.12%	25.27%	12.62%	14.67%	7.62%	0.00%
MY-1980	1,906	559	29.33%	23.24%	11.28%	15.90%	8.60%	0.00%
MY-1981	2,442	744	30.47%	25.88%	12.00%	15.60%	8.39%	0.00%
MY-1982	2,647	810	30.60%	24.63%	11.60%	15.75%	8.01%	0.00%
MY-1983	4,239	1,243	29.32%	24.37%	11.54%	14.20%	6.86%	0.00%
MY-1984	7,073	2,182	30.85%	26.23%	12.60%	15.34%	6.72%	0.00%
MY-1985	9,864	2,796	28.35%	23.51%	11.05%	14.23%	5.76%	0.00%
MY-1986	14,121	3,590	25.42%	20.59%	9.38%	12.57%	4.53%	0.00%
MY-1987	16,167	4,468	27.64%	22.97%	9.09%	13.13%	4.13%	0.00%
MY-1988	20,278	4,865	23.99%	19.37%	7.17%	11.45%	3.43%	0.00%
MY-1989	25,636	5,419	21.14%	16.76%	5.87%	10.14%	2.81%	0.00%
MY-1990	29,413	5,715	19.43%	15.52%	5.26%	8.76%	2.02%	0.00%
MY-1991	33,014	5,678	17.20%	13.49%	4.30%	7.54%	1.73%	0.00%
MY-1992	32,455	5,129	15.80%	12.48%	3.79%	6.60%	1.55%	0.00%
MY-1993	38,638	6,664	17.25%	14.04%	3.09%	6.49%	1.50%	0.00%
MY-1994	49,879	6,606	13.24%	10.30%	2.11%	5.00%	1.24%	0.00%
MY-1995	41,882	5,232	12.49%	9.29%	1.94%	4.95%	1.25%	0.00%
MY-1996	62,877	8,868	14.10%	5.78%	0.77%	9.98%	0.77%	8.98%
MY-1997	46,645	6,034	12.94%	4.72%	0.80%	9.55%	0.73%	8.65%
MY-1998	83,828	6,987	8.33%	2.62%	0.39%	6.30%	0.46%	5.72%
MY-1999	49,541	3,819	7.71%	1.84%	0.34%	6.23%	0.39%	5.68%
MY-2000	134,493	7,258	5.40%	0.85%	0.14%	4.64%	0.29%	4.20%
MY-2001	21,043	1,168	5.55%	0.71%	0.11%	4.88%	0.22%	4.27%
MY-2002	21,844	893	4.09%	0.44%	0.11%	3.60%	0.18%	3.11%
MY-2003	9,627	335	3.48%	0.28%	0.06%	3.13%	0.17%	2.59%
MY-2004	6,678	217	3.25%	0.27%	0.12%	2.94%	0.12%	2.68%
MY-2005	6,671	252	3.78%	0.18%	0.03%	3.48%	0.18%	3.12%
MY-2006	4,604	184	4.00%	0.24%	0.13%	3.69%	0.13%	3.45%
MY-2007	171	17	9.94%	0.00%	0.00%	9.94%	0.00%	9.36%
MY-2008	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	787,538	100,480	12.76%	7.86%	2.40%	7.20%	1.36%	3.22%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	722
Certificate of Non Compliance	3
Parts Cost	85
Hardship Extensions	75
Exempt Vehicle	27
Exempted by Directive	149
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,066

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,229
Stations Locked-Out at Least Once	1,637
Stations Conducted at Least One Test	7,598

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,740	6,081
EA	Gas Endorsement	18	0
EB	Both Endorsement	58	0
EB	Gas Endorsement	578	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	407,693	48.93	37,067	48.78	444,760	48.91
Test and Repair	206,079	46.38	79,255	43.90	285,334	45.69
Test and Repair Dealer	12	34.67	5,291	47.30	5,303	47.27
Referee	566	30.00	176	30.00	742	30.00
Gold Shield in Enhanced Area	24,598	46.99	7,170	43.09	31,768	46.11
Gold Shield in Basic Area	10	71.40	6,353	36.00	6,363	36.05
Gold Shield in COO Area	199	49.79	3,759	47.49	3,958	47.60

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	7,277	22.50	24,246	196.83
	\$51-150	6,522	100.17		
	\$151-250	4,063	199.10		
	\$251-450	3,974	335.21		
	Over \$450	2,410	752.75		
CAP Repairs	\$1-50	183	27.05	2,767	309.08
	\$51-150	393	105.64		
	\$151-250	529	203.37		
	\$251-450	1,001	345.60		
	Over \$450	661	537.41		
Total Repairs	\$1-50	6,788	22.72	25,107	224.14
	\$51-150	5,841	100.66		
	\$151-250	4,344	199.62		
	\$251-450	4,887	338.78		
	Over \$450	3,247	727.58		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,443	309.08

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	6	2	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	49	6	1	0	1	4	3	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 Only	42	10	3	1	3	7	7	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	12	2	2	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	153	16	1	1	8	6	11	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	17,341	2,165	243	136	869	1,054	1,378	233
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	66	3	1	21	35	32	1
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	39	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	244	268	52	116	45	147	130	160
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	149,269	16,732	2,062	837	6,120	8,540	10,520	1,539
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	325,884	58,725	11,940	3,255	11,538	40,575	30,998	6,236
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	11	4	0	1	1	1	2	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,320	543	119	21	121	374	279	50
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	13	13	2	6	2	9	9	8
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,792	2,896	514	165	631	1,905	1,496	293
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	4	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,574	1,607	305	106	367	1,040	846	211
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,398	258	53	14	83	152	155	35
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	50	3	0	9	38	13	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	54	36	6	12	11	17	23	18
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	15,025	1,661	235	80	634	868	1,021	159

	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	Test Only	12,239	1,765	339	100	582	1,070	1,032	195
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,345	806	185	64	145	375	497	121
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	162	20	5	2	2	15	7	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,038	452	99	32	126	203	309	68
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	1	0	4	3	6	0
Two Speed Idle (TSI)	Basic	Referee	35	27	9	10	8	14	17	14
Two Speed Idle (TSI)	Basic	Test and Repair	41,730	5,302	1,193	309	1,297	2,452	3,385	620
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,664	196	44	4	67	72	134	24
Two Speed Idle (TSI)	Basic	Test Only	6,515	1,039	270	55	263	529	574	133
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	91	33	9	2	5	16	18	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,670	344	122	24	42	219	190	47
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	119	31	8	3	7	17	19	6
Two Speed Idle (TSI)	Change of Ownership	Referee	1	9	2	5	2	4	8	6
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,976	269	74	27	63	143	167	44
Two Speed Idle (TSI)	Change of Ownership	Test Only	747	111	27	7	22	59	60	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	395	35	1	3	20	8	28	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	352	27	4	1	13	7	20	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,412	251	74	14	79	129	144	35
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	13	3	0	4	7	6	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	63	5	2	0	0	2	3	0
Two Speed Idle (TSI)	Enhanced	Referee	47	28	4	10	12	6	19	12
Two Speed Idle (TSI)	Enhanced	Test and Repair	18,972	1,277	203	65	617	418	929	112
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	513	28	4	0	19	5	23	1
Two Speed Idle (TSI)	Enhanced	Test Only	23,472	2,176	482	87	954	896	1,394	161
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	40	4	1	0	0	2	3	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	202	30	8	6	9	14	19	9
Two Speed Idle (TSI)	Partial	Referee	0	1	1	0	1	1	1	0
Two Speed Idle (TSI)	Partial	Test and Repair	1,465	140	47	7	46	76	84	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)	Partial	Test Only	633	63	18	5	12	36	31	10
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	351	49	14	4	18	21	33	5
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	922	91	33	9	23	48	59	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	514	53	7	4	25	17	39	8
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	0	0	1	4	3	0
Two Speed Idle (TSI)	Unknown Program	Referee	40	14	8	2	3	9	6	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,136	478	62	29	233	126	380	51
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	588	35	2	1	25	3	31	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,762	186	31	8	102	61	127	13