

Executive Summary Report

SMOG CHECK Statewide

October 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	736,821	95,974	13.03%
Total	876,474	128,999	14.72%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	623,085	84.56%	113,736	15.44%
Total	722,736	82.46%	153,738	17.54%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	369,081	85.01%	65,100	14.99%
Total	431,144	83.65%	84,257	16.35%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	17,977	2.44%
All Emissions	56,709	7.70%
All Visual	10,828	1.47%
All Functional	56,675	7.69%
OBDII	26,100	3.54%
Overall	95,974	13.03%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	192,729	168,602
Directed Vehicles	241,452	200,479
Total	434,181	369,081

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	37,575	31,546
Directed Vehicles	214	27
Total	37,789	31,573

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,808	280	533	44	0	5,665
Test Only	2,037	37	18	1	0	2,093
Basic Area Dealer	1	1	119	0	0	121
Gold Shield	429	28	65	71	0	593
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	2	0	0	0	0	2
Total	7,594	356	783	119	0	8,852

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	579,741	77,342	13.34%	14,207	2.45%
Partially Enhanced	35,135	5,175	14.73%	954	2.72%
Basic	66,450	7,876	11.85%	1,787	2.69%
Change of Ownership	6,027	839	13.92%	259	4.30%
No Program	4	0	0.00%	0	0.00%
Unknown Program	49,464	4,742	9.59%	770	1.56%
Total Program Area	736,821	95,974	13.03%	17,977	2.44%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	434,181	62,947	14.50%	12,614	2.91%
Regular	256,613	26,920	10.49%	4,249	1.66%
Basic Area Dealer	4,989	281	5.63%	28	0.56%
Gold Shield in Enhanced Area	26,889	3,630	13.50%	583	2.17%
Gold Shield in Basic Area	6,959	1,079	15.51%	271	3.89%
Gold Shield in COO Area	3,941	514	13.04%	151	3.83%
Business Fleet	17	2	11.76%	0	0.00%
Permanent Fleet Registered	131	10	7.63%	1	0.76%
Referee	834	384	46.04%	56	6.71%
Government Fleet	2,266	207	9.14%	24	1.06%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	736,821	95,974	13.03%	17,977	2.44%

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-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	7	1	14.29%	14.29%	0.00%	14.29%	0.00%	0.00%
MY-1975	22	5	22.73%	22.73%	4.55%	4.55%	0.00%	0.00%
MY-1976	1,433	363	25.33%	19.05%	8.58%	13.89%	8.93%	0.00%
MY-1977	2,309	573	24.82%	18.15%	7.71%	13.12%	7.23%	0.00%
MY-1978	2,559	695	27.16%	21.02%	10.20%	13.56%	8.60%	0.00%
MY-1979	3,199	882	27.57%	21.85%	10.72%	14.66%	8.44%	0.00%
MY-1980	1,882	506	26.89%	20.72%	10.47%	14.93%	7.70%	0.00%
MY-1981	2,219	647	29.16%	24.06%	11.36%	15.05%	7.57%	0.00%
MY-1982	2,849	824	28.92%	23.55%	10.81%	15.27%	7.69%	0.00%
MY-1983	3,461	1,032	29.82%	23.98%	10.40%	15.72%	7.77%	0.00%
MY-1984	6,718	1,926	28.67%	24.03%	11.85%	14.81%	6.27%	0.00%
MY-1985	9,181	2,611	28.44%	23.21%	11.51%	14.98%	5.96%	0.00%
MY-1986	13,383	3,422	25.57%	20.37%	9.30%	13.25%	5.02%	0.00%
MY-1987	16,281	4,347	26.70%	22.07%	8.90%	12.67%	4.02%	0.00%
MY-1988	18,848	4,527	24.02%	19.23%	7.40%	12.04%	3.65%	0.00%
MY-1989	25,460	5,266	20.68%	16.15%	5.93%	10.24%	2.88%	0.00%
MY-1990	26,963	5,206	19.31%	15.05%	5.27%	9.29%	2.45%	0.00%
MY-1991	32,989	5,678	17.21%	13.35%	4.33%	7.84%	1.70%	0.00%
MY-1992	30,282	4,905	16.20%	12.64%	3.94%	6.93%	1.74%	0.00%
MY-1993	35,862	6,301	17.57%	14.22%	3.20%	6.73%	1.57%	0.00%
MY-1994	42,673	5,656	13.25%	10.12%	2.16%	5.14%	1.52%	0.00%
MY-1995	42,242	5,268	12.47%	9.27%	2.07%	5.02%	1.27%	0.00%
MY-1996	52,686	8,091	15.36%	5.71%	0.86%	11.45%	0.92%	10.44%
MY-1997	42,589	5,922	13.90%	4.66%	0.70%	10.73%	0.86%	9.74%
MY-1998	78,303	6,964	8.89%	2.38%	0.42%	7.08%	0.53%	6.45%
MY-1999	42,040	3,471	8.26%	1.74%	0.31%	6.91%	0.49%	6.34%
MY-2000	126,642	7,621	6.02%	0.85%	0.20%	5.32%	0.33%	4.85%
MY-2001	21,785	1,226	5.63%	0.59%	0.12%	5.08%	0.27%	4.51%
MY-2002	20,772	918	4.42%	0.39%	0.09%	4.01%	0.19%	3.43%
MY-2003	9,964	376	3.77%	0.27%	0.07%	3.45%	0.17%	3.06%
MY-2004	7,175	267	3.72%	0.13%	0.01%	3.47%	0.15%	2.87%
MY-2005	6,420	207	3.22%	0.17%	0.03%	2.91%	0.20%	2.60%
MY-2006	6,989	239	3.42%	0.10%	0.04%	3.31%	0.07%	2.88%
MY-2007	630	31	4.92%	0.00%	0.00%	4.92%	0.00%	4.60%
All Model Years	736,821	95,974	13.03%	7.70%	2.44%	7.69%	1.47%	3.54%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	773
Certificate of Non Compliance	0
Parts Cost	83
Hardship Extensions	113
Exempt Vehicle	21
Exempted by Directive	151
Parts Exemption	3
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,144

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,238
Stations Locked-Out at Least Once	288
Stations Conducted at Least One Test	7,614

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,700	5,977
EA	Gas Endorsement	19	0
EB	Both Endorsement	57	0
EB	Gas Endorsement	566	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	394,268	48.55	37,256	48.77	431,524	48.57
Test and Repair	178,222	46.66	75,223	44.36	253,445	45.98
Test and Repair Dealer	13	35.85	4,995	47.38	5,008	47.35
Referee	629	30.00	158	30.00	787	30.00
Gold Shield in Enhanced Area	20,392	46.56	6,810	44.17	27,202	45.96
Gold Shield in Basic Area	14	71.50	7,050	36.78	7,064	36.85
Gold Shield in COO Area	61	58.87	3,876	48.17	3,937	48.34

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	7,118	22.95	24,099	205.84
	\$51-150	6,435	99.65		
	\$151-250	4,046	200.00		
	\$251-450	3,958	335.14		
	Over \$450	2,542	794.76		
CAP Repairs	\$1-50	195	25.64	3,060	327.20
	\$51-150	365	105.69		
	\$151-250	565	203.73		
	\$251-450	1,117	343.99		
	Over \$450	818	560.28		
Total Repairs	\$1-50	6,516	23.24	25,009	238.38
	\$51-150	5,691	99.83		
	\$151-250	4,293	200.34		
	\$251-450	4,938	338.48		
	Over \$450	3,571	759.10		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,751	327.20

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	2	1	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	81	14	2	0	4	8	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	85	16	4	0	5	10	7	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	15	4	2	0	1	4	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	11	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	40	10	2	0	1	7	6	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	13,198	2,046	243	135	866	935	1,345	248
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	89	7	2	34	44	47	3
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	49	5	0	0	3	1	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	278	276	37	127	58	125	137	153
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	119,871	14,908	1,938	766	5,800	7,217	9,943	1,450
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	313,797	56,167	11,231	3,243	12,268	37,407	30,961	6,310
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	4	2	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,234	526	102	26	123	347	288	64
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	7	0	0	2	3	4	0
Acceleration Simulation Mode (ASM)	Partial	Referee	7	25	2	19	3	9	7	20
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,182	2,800	476	147	668	1,728	1,548	298
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	4	5	0	0	1	3	3	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,609	1,563	308	117	379	1,006	864	209
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,327	224	38	17	75	125	136	31
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	73	10	0	19	48	32	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	61	25	5	8	8	11	20	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
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	16,530	1,726	230	98	751	787	1,173	174
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,418	1,736	324	135	612	996	1,093	227
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,623	958	255	58	201	478	568	119
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	135	20	5	1	2	12	12	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,713	465	102	36	118	199	310	72
Two Speed Idle (TSI)	Basic	Government Fleet	0	15	4	0	4	7	8	0
Two Speed Idle (TSI)	Basic	Referee	24	33	5	13	4	14	23	16
Two Speed Idle (TSI)	Basic	Test and Repair	38,917	5,218	1,165	281	1,313	2,328	3,467	634
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,329	206	24	10	71	68	150	25
Two Speed Idle (TSI)	Basic	Test Only	6,226	929	220	52	250	449	534	116
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	119	19	4	2	5	8	12	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,726	365	116	34	61	212	198	61
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	123	26	9	3	8	10	19	7
Two Speed Idle (TSI)	Change of Ownership	Permanent Fleet Registered	0	3	1	0	0	2	2	1
Two Speed Idle (TSI)	Change of Ownership	Referee	2	3	1	2	0	3	2	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,166	286	73	25	88	134	193	34
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	40	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	774	130	52	11	21	77	77	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	349	37	3	1	25	9	32	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	354	25	3	0	12	7	18	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,222	251	59	21	92	104	166	37
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	16	3	0	5	9	7	0
Two Speed Idle (TSI)	Enhanced	Referee	42	15	1	8	4	1	6	8
Two Speed Idle (TSI)	Enhanced	Test and Repair	16,899	1,298	248	77	594	447	923	138
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	436	30	1	0	16	7	24	0
Two Speed Idle (TSI)	Enhanced	Test Only	23,762	2,164	431	87	986	856	1,429	176
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	206	30	11	1	11	13	19	4
Two Speed Idle (TSI)	Partial	Test and Repair	1,412	148	41	10	48	72	92	24

	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 and Repair Dealer	41	3	0	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Test Only	617	58	14	2	13	31	30	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	499	59	9	3	25	23	43	5
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,030	90	25	9	29	41	59	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	564	60	18	6	22	28	40	8
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	0	0	2	6	2	0
Two Speed Idle (TSI)	Unknown Program	Referee	30	6	5	1	0	5	3	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,294	518	74	31	249	154	404	59
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	644	35	2	1	25	6	29	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,781	183	30	9	104	61	130	15