

Executive Summary Report

SMOG CHECK Statewide

May 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	842,647	108,807	12.91%
Total	995,676	145,473	14.61%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	715,035	84.86%	127,612	15.14%
Total	823,529	82.71%	172,147	17.29%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	394,674	84.68%	71,426	15.32%
Total	460,327	83.34%	92,003	16.66%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	20,816	2.47%
All Emissions	66,787	7.93%
All Visual	12,160	1.44%
All Functional	62,027	7.36%
OBDII	27,079	3.21%
Overall	108,807	12.91%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	221,786	195,480
Directed Vehicles	244,314	199,194
Total	466,100	394,674

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	47,487	40,479
Directed Vehicles	253	12
Total	47,740	40,491

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,867	281	519	44	0	5,711
Test Only	1,996	36	16	1	0	2,049
Basic Area Dealer	1	1	122	0	0	124
Gold Shield	454	26	60	73	0	613
Business Fleet	6	1	0	0	0	7
Permanent Fleet Registered	46	1	8	0	0	55
Referee	33	0	6	1	0	40
Government Fleet	240	8	36	2	0	286
Unknown Type	0	0	0	0	0	0
Total	7,643	354	767	121	0	8,885

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	667,828	88,292	13.22%	16,578	2.48%
Partially Enhanced	39,102	5,696	14.57%	1,057	2.70%
Basic	74,820	8,439	11.28%	1,978	2.64%
Change of Ownership	6,107	922	15.10%	264	4.32%
No Program	4	0	0.00%	0	0.00%
Unknown Program	54,786	5,458	9.96%	939	1.71%
Total Program Area	842,647	108,807	12.91%	20,816	2.47%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	466,100	69,550	14.92%	14,470	3.10%
Regular	317,795	31,762	9.99%	4,970	1.56%
Basic Area Dealer	5,999	284	4.73%	29	0.48%
Gold Shield in Enhanced Area	36,271	4,652	12.83%	734	2.02%
Gold Shield in Basic Area	7,065	1,095	15.50%	283	4.01%
Gold Shield in COO Area	4,202	610	14.52%	182	4.33%
Business Fleet	18	1	5.56%	0	0.00%
Permanent Fleet Registered	232	29	12.50%	4	1.72%
Referee	963	444	46.11%	106	11.01%
Government Fleet	3,800	345	9.08%	32	0.84%
Total	842,647	108,807	12.91%	20,816	2.47%

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-1965	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	1	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	2	100.00%	100.00%	50.00%	50.00%	50.00%	0.00%
MY-1969	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	22	3	13.64%	9.09%	9.09%	13.64%	9.09%	0.00%
MY-1975	35	13	37.14%	31.43%	17.14%	11.43%	14.29%	0.00%
MY-1976	2,060	589	28.59%	22.77%	10.44%	14.08%	7.18%	0.00%
MY-1977	2,728	707	25.92%	18.95%	8.28%	14.37%	7.77%	0.00%
MY-1978	3,307	893	27.00%	20.17%	9.56%	14.39%	7.62%	0.00%
MY-1979	3,156	941	29.82%	23.19%	12.17%	15.65%	9.85%	0.00%
MY-1980	2,183	626	28.68%	23.09%	12.55%	15.62%	8.29%	0.00%
MY-1981	2,551	774	30.34%	24.85%	11.45%	16.19%	8.47%	0.00%
MY-1982	3,336	1,033	30.97%	25.39%	12.02%	15.44%	7.97%	0.00%
MY-1983	4,717	1,388	29.43%	24.21%	11.07%	15.01%	6.89%	0.00%
MY-1984	8,212	2,569	31.28%	26.32%	12.80%	15.54%	7.16%	0.00%
MY-1985	11,130	3,256	29.25%	24.14%	11.55%	14.85%	5.93%	0.00%
MY-1986	14,965	3,897	26.04%	20.55%	9.03%	13.91%	4.96%	0.00%
MY-1987	17,984	5,026	27.95%	23.09%	9.11%	13.36%	4.53%	0.00%
MY-1988	22,024	5,445	24.72%	20.09%	7.76%	11.83%	3.54%	0.00%
MY-1989	27,687	5,871	21.20%	16.59%	5.74%	10.31%	2.89%	0.00%
MY-1990	32,089	6,180	19.26%	15.24%	4.96%	8.78%	2.08%	0.00%
MY-1991	35,722	6,323	17.70%	13.97%	4.59%	7.84%	1.84%	0.00%
MY-1992	35,251	5,607	15.91%	12.36%	3.85%	6.84%	1.62%	0.00%
MY-1993	41,379	7,155	17.29%	14.01%	3.15%	6.40%	1.56%	0.00%
MY-1994	52,299	6,917	13.23%	10.29%	2.04%	4.93%	1.28%	0.00%
MY-1995	44,818	5,638	12.58%	9.41%	1.93%	5.01%	1.31%	0.00%
MY-1996	69,542	9,641	13.86%	5.68%	0.80%	9.81%	0.77%	8.87%
MY-1997	49,655	6,532	13.15%	4.69%	0.79%	9.91%	0.75%	8.92%
MY-1998	87,088	7,058	8.10%	2.34%	0.40%	6.29%	0.47%	5.68%
MY-1999	54,417	4,097	7.53%	1.62%	0.30%	6.21%	0.42%	5.65%
MY-2000	138,418	7,399	5.35%	0.76%	0.14%	4.68%	0.29%	4.24%
MY-2001	22,479	1,221	5.43%	0.61%	0.14%	4.88%	0.17%	4.37%
MY-2002	24,128	957	3.97%	0.36%	0.08%	3.61%	0.17%	3.14%
MY-2003	10,261	354	3.45%	0.19%	0.06%	3.18%	0.15%	2.62%
MY-2004	6,973	227	3.26%	0.11%	0.03%	3.04%	0.14%	2.57%
MY-2005	8,181	316	3.86%	0.18%	0.10%	3.61%	0.11%	3.23%
MY-2006	3,762	145	3.85%	0.27%	0.11%	3.51%	0.08%	3.38%
MY-2007	79	5	6.33%	0.00%	0.00%	6.33%	0.00%	6.33%
All Model Years	842,647	108,807	12.91%	7.93%	2.47%	7.36%	1.44%	3.21%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	873
Certificate of Non Compliance	1
Parts Cost	94
Hardship Extensions	101
Exempt Vehicle	42
Exempted by Directive	152
Parts Exemption	2
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,265

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,213
Stations Locked-Out at Least Once	248
Stations Conducted at Least One Test	7,672

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,820	6,167
EA	Gas Endorsement	18	0
EB	Both Endorsement	49	0
EB	Gas Endorsement	599	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	423,164	48.54	37,479	48.40	460,643	48.53
Test and Repair	226,823	46.68	86,284	43.81	313,107	45.89
Test and Repair Dealer	30	46.03	5,987	46.26	6,017	46.26
Referee	673	30.00	119	30.00	792	30.00
Gold Shield in Enhanced Area	28,217	46.51	8,174	43.37	36,391	45.80
Gold Shield in Basic Area	54	42.83	7,111	37.52	7,165	37.56
Gold Shield in COO Area	23	71.52	4,231	50.24	4,254	50.35

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	8,528	22.83	28,265	197.00
	\$51-150	7,693	100.27		
	\$151-250	4,596	198.89		
	\$251-450	4,660	334.15		
	Over \$450	2,788	764.33		
CAP Repairs	\$1-50	217	24.49	3,429	314.17
	\$51-150	444	104.77		
	\$151-250	675	203.08		
	\$251-450	1,298	346.02		
	Over \$450	795	552.51		
Total Repairs	\$1-50	7,902	23.11	29,328	226.59
	\$51-150	6,821	100.46		
	\$151-250	4,945	199.33		
	\$251-450	5,793	338.44		
	Over \$450	3,867	732.20		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,052	314.17

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	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	45	12	1	1	3	8	9	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	37	7	1	1	2	6	5	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	3	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	8	2	1	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	11	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	45	7	0	0	1	5	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	17	6	1	0	2	3	5	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	19,772	2,782	338	154	1,094	1,381	1,771	285
Acceleration Simulation Mode (ASM)	Enhanced	Gross Polluter Certification	26	4	0	0	3	1	3	2
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	106	22	3	0	6	15	7	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	327	300	68	113	62	161	156	164
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	162,430	18,494	2,349	988	6,684	9,468	11,630	1,780
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	3	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	338,087	62,427	12,920	3,597	11,951	43,225	33,189	6,998
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,553	567	101	34	144	357	312	75
Acceleration Simulation Mode (ASM)	Partial	Referee	9	28	7	9	3	19	12	15
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,688	3,129	583	192	716	1,988	1,715	349
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,097	1,674	301	78	359	1,066	888	207
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,572	304	59	16	112	161	189	32
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	308	25	0	103	193	123	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	61	30	7	8	4	21	20	16

	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	17,566	1,853	242	88	702	964	1,197	171
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,516	1,835	398	111	609	1,093	1,117	240
Two Speed Idle (TSI)	Basic	Gold Shield Dealer	58	10	1	2	2	3	7	3
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,900	948	247	75	188	429	625	147
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	126	19	8	1	3	13	7	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,262	512	118	32	125	217	342	80
Two Speed Idle (TSI)	Basic	Referee	38	32	7	12	7	10	17	15
Two Speed Idle (TSI)	Basic	Test and Repair	44,665	5,671	1,321	359	1,306	2,685	3,603	703
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,127	225	28	17	66	74	151	26
Two Speed Idle (TSI)	Basic	Test Only	6,665	1,001	246	61	220	509	554	135
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	109	32	12	3	4	15	22	10
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,853	404	124	25	72	234	241	55
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	140	31	6	6	7	17	17	8
Two Speed Idle (TSI)	Change of Ownership	Gross Polluter Certification	49	14	2	0	4	4	12	0
Two Speed Idle (TSI)	Change of Ownership	Referee	3	4	0	3	1	2	2	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,109	296	74	19	79	150	190	31
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	53	4	0	0	1	1	3	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	662	134	44	13	26	75	73	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	369	42	8	6	15	10	30	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	377	52	7	2	22	17	39	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,885	358	90	10	128	160	221	28
Two Speed Idle (TSI)	Enhanced	Gross Polluter Certification	4	2	2	0	0	2	0	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	33	5	1	1	0	1	5	1
Two Speed Idle (TSI)	Enhanced	Referee	53	30	7	15	7	9	13	17
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,140	1,543	282	82	701	547	1,086	143
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	559	24	0	0	22	1	24	1
Two Speed Idle (TSI)	Enhanced	Test Only	24,194	2,191	502	100	904	922	1,395	212
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	34	6	1	1	3	2	4	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
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	31	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	230	33	11	0	13	18	18	0
Two Speed Idle (TSI)	Partial	Referee	4	2	1	1	0	1	1	1
Two Speed Idle (TSI)	Partial	Test and Repair	1,565	169	38	13	51	81	108	21
Two Speed Idle (TSI)	Partial	Test Only	727	82	13	4	28	34	44	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	368	59	15	5	16	27	39	8
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,051	128	41	8	37	65	83	22
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	617	64	11	3	36	22	47	11
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	37	7	0	12	18	17	2
Two Speed Idle (TSI)	Unknown Program	Gross Polluter Certification	12	2	1	0	0	1	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	45	17	9	2	3	11	7	6
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,485	594	79	30	299	177	464	63
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	649	27	1	0	19	4	24	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,679	197	44	11	87	77	129	23