

Executive Summary Report

SMOG CHECK Statewide

June 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	819,212	100,425	12.26%
Total	958,639	133,469	13.92%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	703,807	85.91%	115,405	14.09%
Total	804,060	83.88%	154,579	16.12%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	415,078	85.69%	69,333	14.31%
Total	478,935	84.34%	88,920	15.66%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	17,529	2.14%
All Emissions	57,284	6.99%
All Visual	11,446	1.40%
All Functional	60,009	7.33%
OBDII	29,832	3.64%
Overall	100,425	12.26%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	237,823	212,040
Directed Vehicles	246,588	203,038
Total	484,411	415,078

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	41,740	36,162
Directed Vehicles	205	17
Total	41,945	36,179

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,654	289	533	42	0	5,518
Test Only	2,091	41	19	1	0	2,152
Basic Area Dealer	0	1	120	0	0	121
Gold Shield	408	27	63	74	0	572
Business Fleet	5	1	0	0	0	6
Permanent Fleet Registered	35	1	5	0	0	41
Referee	34	0	6	1	0	41
Government Fleet	242	9	36	2	0	289
Unknown Type	1	0	0	0	0	1
Total	7,470	369	782	120	0	8,741

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	652,677	81,466	12.48%	13,889	2.13%
Partially Enhanced	38,722	5,413	13.98%	953	2.46%
Basic	74,839	8,202	10.96%	1,702	2.27%
Change of Ownership	5,745	835	14.53%	255	4.44%
No Program	7	4	57.14%	1	14.29%
Unknown Program	47,222	4,505	9.54%	729	1.54%
Total Program Area	819,212	100,425	12.26%	17,529	2.14%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	484,411	67,834	14.00%	12,586	2.60%
Regular	283,156	26,436	9.34%	3,882	1.37%
Basic Area Dealer	5,512	266	4.83%	27	0.49%
Gold Shield in Enhanced Area	29,337	3,454	11.77%	492	1.68%
Gold Shield in Basic Area	8,501	1,243	14.62%	272	3.20%
Gold Shield in COO Area	4,107	543	13.22%	165	4.02%
Business Fleet	35	5	14.29%	0	0.00%
Permanent Fleet Registered	111	20	18.02%	2	1.80%
Referee	785	342	43.57%	70	8.92%
Government Fleet	3,257	282	8.66%	33	1.01%
Total	819,212	100,425	12.26%	17,529	2.14%

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-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	3	1	33.33%	0.00%	0.00%	33.33%	33.33%	0.00%
MY-1973	3	2	66.67%	66.67%	0.00%	33.33%	0.00%	0.00%
MY-1974	4	1	25.00%	0.00%	0.00%	25.00%	25.00%	0.00%
MY-1975	8	2	25.00%	25.00%	12.50%	0.00%	0.00%	0.00%
MY-1976	1,715	468	27.29%	20.82%	10.09%	13.76%	7.99%	0.00%
MY-1977	2,336	604	25.86%	19.73%	9.72%	12.97%	7.36%	0.00%
MY-1978	2,612	692	26.49%	20.14%	9.95%	13.78%	8.15%	0.00%
MY-1979	2,797	787	28.14%	22.52%	10.73%	14.44%	8.37%	0.00%
MY-1980	1,823	507	27.81%	21.61%	11.25%	14.70%	9.60%	0.00%
MY-1981	2,198	637	28.98%	23.48%	11.06%	15.10%	7.83%	0.00%
MY-1982	2,422	713	29.44%	23.86%	11.23%	15.77%	7.64%	0.00%
MY-1983	3,665	1,056	28.81%	23.30%	10.78%	14.32%	7.26%	0.00%
MY-1984	6,401	1,841	28.76%	23.95%	12.06%	14.59%	6.70%	0.00%
MY-1985	8,652	2,420	27.97%	22.92%	10.83%	14.16%	6.22%	0.00%
MY-1986	11,975	3,103	25.91%	20.42%	9.28%	13.52%	5.02%	0.00%
MY-1987	14,471	3,905	26.99%	22.17%	8.99%	12.72%	4.40%	0.00%
MY-1988	17,757	4,147	23.35%	18.75%	7.17%	11.05%	3.82%	0.00%
MY-1989	22,942	4,768	20.78%	16.10%	5.73%	10.20%	3.34%	0.00%
MY-1990	27,105	5,160	19.04%	14.88%	5.13%	8.95%	2.52%	0.00%
MY-1991	30,667	5,365	17.49%	13.79%	4.36%	7.91%	1.81%	0.00%
MY-1992	30,907	5,005	16.19%	12.54%	3.89%	7.11%	1.70%	0.00%
MY-1993	36,464	6,298	17.27%	14.09%	3.11%	6.51%	1.76%	0.00%
MY-1994	38,378	5,622	14.65%	11.38%	2.42%	5.74%	1.65%	0.00%
MY-1995	58,380	6,973	11.94%	8.72%	1.74%	4.71%	1.22%	0.00%
MY-1996	35,637	6,227	17.47%	7.13%	1.08%	12.67%	1.13%	11.48%
MY-1997	72,213	8,532	11.82%	4.10%	0.68%	8.88%	0.78%	7.97%
MY-1998	50,065	5,542	11.07%	3.14%	0.53%	8.82%	0.76%	8.03%
MY-1999	95,855	6,459	6.74%	1.49%	0.30%	5.54%	0.46%	5.04%
MY-2000	40,450	3,173	7.84%	1.32%	0.28%	6.78%	0.46%	6.18%
MY-2001	134,494	8,009	5.95%	0.59%	0.12%	5.45%	0.29%	5.03%
MY-2002	19,625	851	4.34%	0.49%	0.08%	3.92%	0.18%	3.44%
MY-2003	22,098	755	3.42%	0.30%	0.06%	3.05%	0.19%	2.59%
MY-2004	8,572	298	3.48%	0.22%	0.06%	3.18%	0.22%	2.59%
MY-2005	6,329	218	3.44%	0.24%	0.08%	3.10%	0.27%	2.72%
MY-2006	6,497	194	2.99%	0.09%	0.00%	2.85%	0.06%	2.46%
MY-2007	3,648	89	2.44%	0.16%	0.11%	2.19%	0.25%	1.95%
MY-2008	39	1	2.56%	0.00%	0.00%	2.56%	0.00%	2.56%
MY-2009	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	819,212	100,425	12.26%	6.99%	2.14%	7.33%	1.40%	3.64%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	668
Certificate of Non Compliance	1
Parts Cost	82
Hardship Extensions	158
Exempt Vehicle	49
Exempted by Directive	110
Parts Exemption	0
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,068

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,193
Stations Locked-Out at Least Once	320
Stations Conducted at Least One Test	7,548

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,513	6,110
EA	Gas Endorsement	15	0
EB	Both Endorsement	64	0
EB	Gas Endorsement	559	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	437,593	47.96	44,321	48.09	481,914	47.97
Test and Repair	196,440	46.29	84,345	44.22	280,785	45.67
Test and Repair Dealer	22	65.59	5,505	46.34	5,527	46.41
Referee	511	30.00	169	30.00	680	30.00
Gold Shield in Enhanced Area	21,860	46.30	7,694	41.13	29,554	44.96
Gold Shield in Basic Area	84	63.67	8,532	34.48	8,616	34.77
Gold Shield in COO Area	29	47.86	4,141	48.16	4,170	48.16

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	7,437	22.29	24,273	204.74
	\$51-150	6,205	100.45		
	\$151-250	4,051	199.02		
	\$251-450	4,043	334.57		
	Over \$450	2,537	796.84		
CAP Repairs	\$1-50	168	23.92	3,475	337.86
	\$51-150	390	109.45		
	\$151-250	557	201.37		
	\$251-450	1,281	348.30		
	Over \$450	1,079	527.36		
Total Repairs	\$1-50	6,690	22.57	25,236	243.45
	\$51-150	5,344	100.88		
	\$151-250	4,279	199.69		
	\$251-450	5,068	339.15		
	Over \$450	3,855	747.14		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,131	337.86

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	Test and Repair	37	6	1	0	1	3	4	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	30	10	5	0	2	9	6	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)	Change of Ownership	Test Only	4	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	19	5	0	0	0	4	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	67	9	1	0	3	4	6	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	15,183	1,896	189	95	913	770	1,336	186
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	70	4	0	30	30	43	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	241	225	34	112	44	119	120	138
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	140,188	14,283	1,694	737	6,185	6,397	9,806	1,356
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	352,371	60,331	11,132	3,507	14,828	38,823	33,761	6,911
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	2	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	1	3	1	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,282	469	82	31	123	285	271	61
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	3	1	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	10	14	5	4	3	10	8	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,383	3,022	524	159	767	1,843	1,681	334
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	16	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,394	1,614	281	106	401	1,001	905	206
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,281	203	32	11	78	109	128	21
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	184	22	1	38	142	47	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	49	30	10	13	2	15	20	21
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,645	1,527	199	91	664	713	1,017	165

	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	12,706	1,685	310	123	587	1,002	1,017	239
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	6,169	1,120	249	61	236	473	726	149
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	211	32	7	4	6	15	17	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,149	501	101	19	161	186	355	71
Two Speed Idle (TSI)	Basic	Government Fleet	0	4	1	0	1	2	2	0
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	1	2	1	0	0	1	1	1
Two Speed Idle (TSI)	Basic	Referee	22	29	7	16	5	12	18	20
Two Speed Idle (TSI)	Basic	Test and Repair	43,424	5,193	1,075	298	1,490	2,232	3,413	644
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,928	216	27	13	72	71	148	29
Two Speed Idle (TSI)	Basic	Test Only	7,478	1,089	228	54	313	501	660	133
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	54	12	6	0	3	8	8	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,872	366	120	32	52	228	176	54
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	102	27	10	2	9	13	16	5
Two Speed Idle (TSI)	Change of Ownership	Referee	1	8	5	2	0	6	6	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,903	271	68	19	73	128	183	33
Two Speed Idle (TSI)	Change of Ownership	Test Only	816	148	46	12	35	82	84	18
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	446	41	6	4	18	14	28	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	432	28	3	2	16	7	24	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,786	280	59	20	109	119	176	40
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	14	3	0	4	4	10	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	46	8	1	2	0	2	4	5
Two Speed Idle (TSI)	Enhanced	Referee	40	21	2	11	7	7	13	13
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,090	1,525	220	75	791	447	1,118	150
Two Speed Idle (TSI)	Enhanced	Test Only	28,704	2,693	541	120	1,243	1,014	1,790	239
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	47	6	0	1	3	1	4	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	209	28	8	1	16	9	21	3
Two Speed Idle (TSI)	Partial	Test and Repair	1,840	166	33	16	53	66	109	34
Two Speed Idle (TSI)	Partial	Test Only	763	83	19	6	29	34	50	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)	Unknown Program	Gold Shield in Basic Area	402	55	10	3	20	17	43	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	931	108	35	10	25	62	65	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	490	50	11	5	19	19	33	10
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	2	0	1	5	2	0
Two Speed Idle (TSI)	Unknown Program	Referee	32	13	7	2	2	9	6	6
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,447	440	68	29	212	144	326	48
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	512	23	0	2	14	3	20	3
Two Speed Idle (TSI)	Unknown Program	Test Only	2,811	177	23	9	87	55	129	18
UnKnown TestType	Enhanced	Referee	2	1	0	0	0	1	0	1