

Executive Summary Report

SMOG CHECK Statewide

Year 2005

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	9,018,521	1,276,990	14.16%
Total	10,939,549	1,747,145	15.97%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	7,519,130	83.37%	1,499,391	16.63%
Total	8,856,162	80.96%	2,083,387	19.04%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	3,980,539	83.01%	814,705	16.99%
Total	4,771,271	81.64%	1,072,826	18.36%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	264,275	2.93%
All Emissions	834,850	9.26%
All Visual	149,759	1.66%
All Functional	697,848	7.74%
OBDII	247,058	2.74%
Overall	1,276,990	14.16%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	2,032,537	1,766,205
Directed Vehicles	2,762,707	2,214,334
Total	4,795,244	3,980,539

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	557,555	472,517
Directed Vehicles	4,491	235
Total	562,046	472,752

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	5,658	312	575	58	2	6,605
Test Only	2,192	41	19	1	0	2,253
Basic Area Dealer	1	1	122	0	0	124
Business Fleet	8	1	0	0	0	9
Gold Shield	497	34	59	79	0	669
Government Fleet	240	8	36	2	0	286
Permanent Fleet Registered	47	2	8	0	0	57
Referee	34	1	6	1	0	42
Unknown Type	0	0	0	0	0	0
Total	8,677	400	825	141	2	10,045

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	7,069,693	1,037,620	14.68%	211,954	3.00%
Partially Enhanced	404,741	64,456	15.93%	13,424	3.32%
Basic	831,446	97,676	11.75%	24,152	2.90%
Change of Ownership	72,652	10,751	14.80%	3,251	4.47%
No Program	71	19	26.76%	4	5.63%
Unknown Program	639,918	66,468	10.39%	11,490	1.80%
Total Program Area	9,018,521	1,276,990	14.16%	264,275	2.93%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	4,795,244	792,064	16.52%	178,849	3.73%
Regular	3,612,536	401,911	11.13%	69,354	1.92%
Basic Area Dealer	30,720	1,844	6.00%	291	0.95%
Gold Shield in Enhanced Area	396,110	55,543	14.02%	9,463	2.39%
Gold Shield in Basic Area	69,421	10,219	14.72%	2,612	3.76%
Gold Shield in COO Area	29,859	3,917	13.12%	1,170	3.92%
Business Fleet	283	18	6.36%	2	0.71%
Permanent Fleet Registered	1,520	130	8.55%	19	1.25%
Referee	8,949	4,156	46.44%	866	9.68%
Government Fleet	7,216	722	10.01%	106	1.47%
Unknown Privilege	7	2	28.57%	0	0.00%
Total	9,018,521	1,276,990	14.16%	264,275	2.93%

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-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1952	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1960	4	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1964	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	18	8	44.44%	44.44%	38.89%	0.00%	11.11%	0.00%
MY-1966	7	2	28.57%	28.57%	28.57%	0.00%	0.00%	0.00%
MY-1967	4	2	50.00%	50.00%	50.00%	25.00%	0.00%	0.00%
MY-1968	5	2	40.00%	40.00%	40.00%	0.00%	0.00%	0.00%
MY-1969	9	6	66.67%	55.56%	22.22%	33.33%	22.22%	0.00%
MY-1970	5	1	20.00%	20.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	7	4	57.14%	57.14%	14.29%	28.57%	28.57%	0.00%
MY-1972	7	3	42.86%	42.86%	14.29%	14.29%	14.29%	0.00%
MY-1973	20	12	60.00%	40.00%	15.00%	45.00%	35.00%	0.00%
MY-1974	90	15	16.67%	11.11%	6.67%	8.89%	4.44%	0.00%
MY-1975	455	121	26.59%	21.10%	10.77%	12.31%	7.69%	0.00%
MY-1976	18,784	5,323	28.34%	21.80%	10.02%	14.95%	8.28%	0.00%
MY-1977	35,167	9,717	27.63%	19.98%	8.97%	15.48%	8.41%	0.00%
MY-1978	40,132	11,542	28.76%	21.14%	9.96%	15.69%	8.93%	0.00%
MY-1979	45,174	13,608	30.12%	23.83%	11.37%	16.07%	8.97%	0.00%
MY-1980	29,335	8,804	30.01%	23.81%	12.62%	16.55%	8.86%	0.00%
MY-1981	35,242	11,419	32.40%	26.85%	12.52%	16.93%	8.72%	0.00%
MY-1982	42,097	13,337	31.68%	26.18%	11.79%	16.55%	8.15%	0.00%
MY-1983	58,484	18,535	31.69%	26.06%	11.73%	16.38%	8.02%	0.00%
MY-1984	108,973	35,436	32.52%	27.31%	13.37%	17.01%	7.73%	0.00%
MY-1985	148,126	45,800	30.92%	25.64%	12.10%	16.07%	6.35%	0.00%
MY-1986	205,539	56,506	27.49%	21.90%	9.78%	14.38%	5.18%	0.00%
MY-1987	244,867	70,877	28.95%	24.06%	9.56%	13.90%	4.60%	0.00%
MY-1988	285,785	73,702	25.79%	20.86%	7.78%	12.48%	3.71%	0.00%
MY-1989	367,390	81,482	22.18%	17.33%	6.07%	10.85%	2.91%	0.00%
MY-1990	403,116	80,597	19.99%	15.82%	5.14%	9.09%	2.20%	0.00%
MY-1991	449,202	80,009	17.81%	14.01%	4.26%	7.85%	1.69%	0.00%
MY-1992	432,451	69,396	16.05%	12.50%	3.71%	6.69%	1.50%	0.00%
MY-1993	515,600	86,829	16.84%	13.81%	2.88%	6.12%	1.39%	0.00%
MY-1994	539,705	72,878	13.50%	10.50%	2.08%	5.06%	1.30%	0.00%
MY-1995	814,703	85,020	10.44%	7.64%	1.47%	3.96%	1.00%	0.00%
MY-1996	464,151	76,126	16.40%	6.30%	0.94%	12.23%	0.87%	11.11%
MY-1997	932,452	99,387	10.66%	3.59%	0.57%	8.07%	0.55%	7.30%
MY-1998	580,712	53,538	9.22%	2.55%	0.42%	7.28%	0.49%	6.60%
MY-1999	1,166,874	66,074	5.66%	1.13%	0.20%	4.69%	0.30%	4.22%
MY-2000	355,646	20,126	5.66%	0.82%	0.17%	4.97%	0.23%	4.37%
MY-2001	294,789	15,411	5.23%	0.46%	0.10%	4.81%	0.17%	4.13%
MY-2002	145,448	5,994	4.12%	0.27%	0.07%	3.83%	0.17%	3.20%
MY-2003	98,989	3,128	3.16%	0.23%	0.06%	2.90%	0.15%	2.43%
MY-2004	93,508	3,418	3.66%	0.16%	0.06%	3.44%	0.12%	2.93%
MY-2005	62,078	2,627	4.23%	0.23%	0.13%	4.01%	0.13%	3.57%
MY-2006	3,359	165	4.91%	0.09%	0.03%	4.85%	0.00%	4.53%
MY-2007	9	1	11.11%	11.11%	11.11%	11.11%	11.11%	0.00%
All Model Years	9,018,521	1,276,990	14.16%	9.26%	2.93%	7.74%	1.66%	2.74%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	8,305
Certificate of Non Compliance	24
Parts Cost	1,317
Hardship Extensions	1,014
Exempt Vehicle	539
Exempted by Directive	1,180
Parts Exemption	25
Unknown Outcome	0
Permanently Exempt Vehicle	4
Temporarily Exempt Vehicle	0
	12,408

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,151
Stations Locked-Out at Least Once	6,704
Stations Conducted at Least One Test	8,894

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,680	5,897
EA	Gas Endorsement	20	0
EB	Both Endorsement	54	0
EB	Gas Endorsement	653	0
EU	Gas Endorsement	2	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	4,288,978	48.84	336,057	48.01	4,625,035	48.78
Test and Repair	2,498,609	47.33	946,218	43.54	3,444,827	46.29
Test and Repair Dealer	116	64.65	30,715	44.82	30,831	44.89
Referee	5,881	30.00	1,319	30.00	7,200	30.00
Gold Shield in Enhanced Area	302,095	47.54	76,018	44.08	378,113	46.85
Gold Shield in Basic Area	670	59.86	69,714	40.09	70,384	40.28
Gold Shield in COO Area	140	79.18	30,165	48.33	30,305	48.47

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	106,859	23.28	366,239	195.43
	\$51-150	102,287	99.54		
	\$151-250	62,845	198.95		
	\$251-450	60,473	334.24		
	Over \$450	33,775	775.37		
CAP Repairs	\$1-50	3,197	25.75	40,851	296.43
	\$51-150	6,232	104.60		
	\$151-250	8,198	202.52		
	\$251-450	14,529	341.83		
	Over \$450	8,695	546.14		
Total Repairs	\$1-50	100,857	23.51	380,806	219.75
	\$51-150	93,471	99.76		
	\$151-250	67,356	199.37		
	\$251-450	73,996	337.06		
	Over \$450	45,126	744.94		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	35,428	296.43

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	47	9	1	0	2	5	5	0
Acceleration Simulation Mode (ASM)	Basic	Referee	28	18	3	6	3	10	11	8

	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	444	65	11	6	7	49	27	9
Acceleration Simulation Mode (ASM)	Basic	Test Only	251	54	12	4	4	48	18	7
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	5	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	3	9	1	6	1	6	5	6
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	48	12	1	1	4	7	7	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	58	7	1	1	2	3	4	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	139	17	2	0	3	13	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield Dealer	58	4	1	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	346	76	13	3	22	42	42	10
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	115	12	2	0	4	6	6	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	212,941	33,291	4,398	1,950	10,487	18,003	19,777	3,855
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	13	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gross Polluter Certification	350	48	7	3	14	27	27	6
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	286	102	12	3	17	78	25	3
Acceleration Simulation Mode (ASM)	Enhanced	Referee	2,612	2,555	452	1,059	363	1,436	1,282	1,372
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	1,769,864	239,712	35,250	13,598	70,687	133,923	146,641	24,737
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	18	3	0	1	1	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	3,443,647	718,108	161,911	43,488	94,744	529,409	360,649	85,063
Acceleration Simulation Mode (ASM)	No Program	Test Only	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield Dealer	65	10	3	0	2	6	5	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)	Partial	Gold Shield in Basic Area	165	45	8	2	10	34	28	3
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	6	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	29,032	7,392	1,464	500	1,275	5,044	3,676	972
Acceleration Simulation Mode (ASM)	Partial	Gross Polluter Certification	58	19	3	2	5	10	11	2
Acceleration Simulation Mode (ASM)	Partial	Referee	73	142	25	73	21	71	81	97
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	180,696	36,766	7,345	2,218	6,003	25,447	18,567	4,274
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	58	14	1	0	5	8	6	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	85,871	17,254	3,663	1,097	2,846	12,165	8,497	2,074
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	6	3	1	0	1	1	3	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	0	2	0	1	0	2	0	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	21,548	4,099	709	276	1,222	2,414	2,361	553
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	1	556	57	5	178	333	238	8
Acceleration Simulation Mode (ASM)	Unknown Program	Gross Polluter Certification	25	4	0	0	1	3	2	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	605	355	69	158	60	194	201	208
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	234,195	27,092	3,960	1,433	9,916	14,122	17,009	2,577
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	137,644	20,934	4,183	1,380	6,277	13,016	12,222	2,533
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	2	2	0	0	0	2	1	0
Two Speed Idle (TSI)	Basic	Gold Shield Dealer	27,237	2,093	413	114	574	905	1,329	210
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	48,601	8,843	2,338	628	1,430	4,454	5,338	1,286
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	926	107	25	9	21	55	57	14
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	28,466	5,479	1,435	450	941	2,731	3,440	931

	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)	Basic	Gross Polluter Certification	3,601	488	123	32	114	225	289	50
Two Speed Idle (TSI)	Basic	Referee	327	385	74	184	57	147	239	232
Two Speed Idle (TSI)	Basic	Test and Repair	504,039	67,880	16,419	4,204	13,205	32,863	43,232	8,511
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	20,403	1,395	262	53	431	584	921	119
Two Speed Idle (TSI)	Basic	Test Only	68,569	10,860	3,036	581	2,145	6,020	5,804	1,305
Two Speed Idle (TSI)	Change of Ownership	Gold Shield Dealer	329	28	5	1	8	13	18	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	534	112	35	8	19	63	64	26
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	13,251	2,658	891	214	363	1,577	1,478	407
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	1,850	452	115	39	68	246	274	86
Two Speed Idle (TSI)	Change of Ownership	Gross Polluter Certification	9,743	2,219	710	170	296	1,324	1,249	343
Two Speed Idle (TSI)	Change of Ownership	Referee	20	37	12	20	3	17	24	29
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	26,156	3,786	1,056	277	792	1,965	2,492	613
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	308	15	1	0	10	2	13	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	7,368	1,415	423	111	221	836	741	205
Two Speed Idle (TSI)	Enhanced	Business-Fleet	13	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield Dealer	3,683	239	19	10	167	39	200	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	4,236	458	64	18	196	139	339	37
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	3,064	274	38	12	123	81	201	22
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	29,015	3,708	1,056	252	1,059	1,874	2,223	559
Two Speed Idle (TSI)	Enhanced	Gross Polluter Certification	2,426	253	38	13	111	82	178	22
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	461	28	7	0	0	17	14	2
Two Speed Idle (TSI)	Enhanced	Referee	124	112	22	53	16	32	68	72
Two Speed Idle (TSI)	Enhanced	Test and Repair	217,543	17,744	3,615	1,106	6,963	6,801	12,155	2,068
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	2,734	150	9	2	97	21	131	4
Two Speed Idle (TSI)	Enhanced	Test Only	203,149	20,723	5,038	1,034	6,965	9,618	12,446	2,124
Two Speed Idle (TSI)	No Program	Test and Repair	22	13	3	2	2	7	9	4
Two Speed Idle (TSI)	No Program	Test Only	24	5	1	0	1	3	2	0
Two Speed Idle (TSI)	Partial	Gold Shield Dealer	393	27	2	1	13	11	19	3
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	403	48	12	1	13	20	31	6

	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	276	29	5	2	8	15	16	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	2,351	381	139	30	83	225	201	58
Two Speed Idle (TSI)	Partial	Gross Polluter Certification	221	21	1	1	9	5	17	2
Two Speed Idle (TSI)	Partial	Referee	1	12	4	7	1	6	9	11
Two Speed Idle (TSI)	Partial	Test and Repair	14,903	1,691	556	122	344	930	992	244
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	313	20	4	0	10	6	15	0
Two Speed Idle (TSI)	Partial	Test Only	5,688	584	188	42	143	320	315	68
Two Speed Idle (TSI)	Unknown Program	Gold Shield Dealer	4,484	269	24	7	186	51	229	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	3,645	634	141	65	191	272	431	104
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	7,543	834	208	61	221	389	559	113
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	6,075	731	146	52	317	250	541	114
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	164	49	1	47	91	77	2
Two Speed Idle (TSI)	Unknown Program	Gross Polluter Certification	5,624	742	194	54	195	361	490	114
Two Speed Idle (TSI)	Unknown Program	Referee	890	524	204	189	85	262	236	262
Two Speed Idle (TSI)	Unknown Program	Test and Repair	84,232	7,150	1,138	419	3,320	2,161	5,543	769
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	4,001	247	14	7	182	34	218	11
Two Speed Idle (TSI)	Unknown Program	Test Only	28,270	2,119	393	103	1,097	748	1,491	182
Unknown TestType	Unknown Program	Referee	234	7	0	2	5	7	7	6