

Executive Summary Report

SMOG CHECK Statewide

Year 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	9,319,693	1,157,191	12.42%
Total	10,912,219	1,532,489	14.04%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	7,977,198	85.60%	1,342,495	14.40%
Total	9,120,967	83.58%	1,791,252	16.42%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	4,727,006	85.64%	792,728	14.36%
Total	5,451,615	84.37%	1,010,150	15.63%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	200,577	2.15%
All Emissions	650,433	6.98%
All Visual	129,157	1.39%
All Functional	701,506	7.53%
OBDII	351,136	3.77%
Overall	1,157,191	12.42%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	2,649,809	2,355,492
Directed Vehicles	2,869,925	2,371,514
Total	5,519,734	4,727,006

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	467,385	399,462
Directed Vehicles	43,124	32,283
Total	510,509	431,745

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	5,147	312	597	42	0	6,098
Test Only	2,395	43	26	1	0	2,465
Basic Area Dealer	0	1	124	0	0	125
Business Fleet	5	1	0	0	0	6
Gold Shield	440	30	63	83	0	616
Government Fleet	243	9	37	2	0	291
Permanent Fleet Registered	36	1	6	0	0	43
Referee	35	0	6	1	0	42
Unknown Type	2	0	0	0	0	2
Total	8,303	397	859	129	0	9,688

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	7,405,464	936,096	12.64%	158,701	2.14%
Partially Enhanced	442,973	63,201	14.27%	10,866	2.45%
Basic	854,059	95,518	11.18%	19,858	2.33%
Change of Ownership	68,196	9,528	13.97%	2,670	3.92%
No Program	66	11	16.67%	3	4.55%
Unknown Program	548,935	52,837	9.63%	8,479	1.54%
Total Program Area	9,319,693	1,157,191	12.42%	200,577	2.15%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	5,519,734	772,801	14.00%	142,330	2.58%
Regular	3,177,327	303,212	9.54%	44,331	1.40%
Basic Area Dealer	62,640	3,255	5.20%	431	0.69%
Gold Shield in Enhanced Area	375,386	50,854	13.55%	7,629	2.03%
Gold Shield in Basic Area	86,058	12,845	14.93%	2,913	3.38%
Gold Shield in COO Area	49,065	6,498	13.24%	1,805	3.68%
Business Fleet	366	21	5.74%	0	0.00%
Permanent Fleet Registered	981	114	11.62%	15	1.53%
Referee	9,054	4,144	45.77%	825	9.11%
Government Fleet	39,064	3,447	8.82%	298	0.76%
Unknown Privilege	18	0	0.00%	0	0.00%
Total	9,319,693	1,157,191	12.42%	200,577	2.15%

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	6	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-1953	1	1	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1959	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
MY-1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	6	2	33.33%	16.67%	16.67%	0.00%	0.00%	0.00%
MY-1966	9	5	55.56%	22.22%	0.00%	33.33%	11.11%	0.00%
MY-1967	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	6	3	50.00%	33.33%	16.67%	16.67%	33.33%	0.00%
MY-1969	5	2	40.00%	40.00%	0.00%	0.00%	20.00%	0.00%
MY-1970	9	4	44.44%	11.11%	0.00%	22.22%	22.22%	0.00%
MY-1971	2	1	50.00%	50.00%	50.00%	0.00%	0.00%	0.00%
MY-1972	14	7	50.00%	21.43%	21.43%	42.86%	28.57%	0.00%
MY-1973	11	2	18.18%	18.18%	0.00%	9.09%	0.00%	0.00%
MY-1974	73	18	24.66%	21.92%	6.85%	16.44%	9.59%	0.00%
MY-1975	186	49	26.34%	18.82%	10.75%	16.13%	8.60%	0.00%
MY-1976	17,712	4,936	27.87%	20.96%	10.19%	14.89%	8.83%	0.00%
MY-1977	25,410	6,501	25.58%	18.36%	8.76%	13.81%	7.71%	0.00%
MY-1978	28,692	7,471	26.04%	19.27%	9.21%	13.68%	7.62%	0.00%
MY-1979	32,655	9,210	28.20%	21.67%	10.60%	14.79%	8.39%	0.00%
MY-1980	20,111	5,565	27.67%	21.60%	11.34%	14.96%	8.27%	0.00%
MY-1981	23,747	6,948	29.26%	23.75%	11.38%	15.34%	8.14%	0.00%
MY-1982	28,237	8,162	28.91%	23.50%	10.73%	14.72%	7.53%	0.00%
MY-1983	38,373	11,044	28.78%	23.41%	10.95%	14.65%	7.30%	0.00%
MY-1984	71,236	21,270	29.86%	24.59%	12.27%	15.22%	7.01%	0.00%
MY-1985	96,967	27,590	28.45%	23.21%	11.07%	14.69%	6.14%	0.00%
MY-1986	138,276	35,697	25.82%	20.31%	9.13%	13.46%	5.03%	0.00%
MY-1987	165,370	44,487	26.90%	21.90%	8.86%	13.01%	4.57%	0.00%
MY-1988	197,940	46,856	23.67%	18.84%	7.27%	11.62%	3.78%	0.00%
MY-1989	263,551	55,552	21.08%	16.28%	5.85%	10.42%	3.11%	0.00%
MY-1990	304,411	59,246	19.46%	15.20%	5.17%	9.21%	2.44%	0.00%
MY-1991	349,721	62,153	17.77%	13.79%	4.45%	8.23%	1.96%	0.00%
MY-1992	342,621	56,187	16.40%	12.66%	3.98%	7.23%	1.78%	0.00%
MY-1993	413,751	73,583	17.78%	14.37%	3.28%	6.86%	1.73%	0.00%
MY-1994	450,534	66,668	14.80%	11.28%	2.41%	5.94%	1.66%	0.00%
MY-1995	661,575	79,233	11.98%	8.64%	1.76%	4.86%	1.29%	0.00%
MY-1996	421,534	73,742	17.49%	6.88%	1.10%	13.02%	1.09%	11.84%
MY-1997	791,433	96,330	12.17%	4.16%	0.71%	9.25%	0.76%	8.39%
MY-1998	568,786	63,076	11.09%	3.18%	0.56%	8.83%	0.68%	8.10%
MY-1999	1,030,559	73,099	7.09%	1.53%	0.28%	5.84%	0.45%	5.34%
MY-2000	530,465	41,918	7.90%	1.32%	0.30%	6.88%	0.45%	6.29%
MY-2001	1,463,388	89,595	6.12%	0.58%	0.14%	5.63%	0.30%	5.20%
MY-2002	281,521	12,137	4.31%	0.45%	0.11%	3.87%	0.24%	3.42%
MY-2003	257,279	9,029	3.51%	0.31%	0.08%	3.18%	0.15%	2.70%
MY-2004	104,544	3,785	3.62%	0.20%	0.06%	3.35%	0.18%	2.77%
MY-2005	74,180	2,517	3.39%	0.20%	0.05%	3.10%	0.20%	2.61%
MY-2006	76,384	2,301	3.01%	0.15%	0.06%	2.80%	0.12%	2.48%
MY-2007	46,073	1,158	2.51%	0.23%	0.15%	2.27%	0.13%	2.00%
MY-2008	2,318	48	2.07%	0.04%	0.00%	2.03%	0.00%	1.86%
MY-2009	4	1	25.00%	0.00%	0.00%	25.00%	0.00%	25.00%
All Model Years	9,319,693	1,157,191	12.42%	6.98%	2.15%	7.53%	1.39%	3.77%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	7,646
Certificate of Non Compliance	12
Parts Cost	1,043
Hardship Extensions	1,683
Exempt Vehicle	577
Exempted by Directive	1,459
Parts Exemption	27
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	12,447

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,127
Stations Locked-Out at Least Once	3,975
Stations Conducted at Least One Test	8,561

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	12,370	5,971
EA	Gas Endorsement	17	0
EB	Both Endorsement	73	0
EB	Gas Endorsement	622	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	4,973,922	48.27	508,940	48.59	5,482,862	48.30
Test and Repair	2,178,554	46.67	969,134	44.52	3,147,688	46.01
Test and Repair Dealer	192	57.66	62,610	46.89	62,802	46.92
Referee	5,440	30.00	2,078	30.00	7,518	30.00
Gold Shield in Enhanced Area	284,951	46.77	92,385	42.36	377,336	45.69
Gold Shield in Basic Area	317	62.87	86,556	33.95	86,873	34.06
Gold Shield in COO Area	481	63.13	49,203	48.25	49,684	48.39

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	85,540	22.34	281,775	206.82
	\$51-150	72,297	100.63		
	\$151-250	46,181	199.14		
	\$251-450	47,362	335.38		
	Over \$450	30,395	789.95		
CAP Repairs	\$1-50	1,911	25.49	40,381	337.31
	\$51-150	4,335	106.66		
	\$151-250	6,641	203.22		
	\$251-450	15,322	347.89		
	Over \$450	12,172	528.25		
Total Repairs	\$1-50	76,768	22.58	292,828	245.53
	\$51-150	61,734	100.89		
	\$151-250	48,796	199.76		
	\$251-450	60,079	340.04		
	Over \$450	45,451	742.77		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	36,026	337.31

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	61	10	1	0	4	6	6	1
Acceleration Simulation Mode (ASM)	Basic	Referee	11	13	2	3	5	7	7	4

	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	537	96	16	0	35	49	64	6
Acceleration Simulation Mode (ASM)	Basic	Test Only	450	90	15	6	27	60	52	10
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	8	3	1	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	2	6	1	4	0	2	2	4
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	74	8	1	0	2	5	4	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	51	11	1	2	2	8	4	2
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	197	19	0	0	1	15	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	257	25	4	1	7	13	16	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	303	34	2	2	12	13	26	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	197,161	31,383	3,939	1,695	12,651	14,610	20,782	3,545
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	1,253	54	15	574	500	773	14
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	239	53	2	0	27	25	28	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	2,702	2,755	489	1,189	534	1,479	1,424	1,534
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	1,531,230	161,068	19,028	8,195	70,641	71,185	111,855	14,884
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	55	3	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	4,004,496	686,595	126,013	38,592	173,508	436,156	390,665	76,477
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	25	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	21	10	3	0	5	4	7	0
Acceleration Simulation Mode (ASM)	Partial	Business-Fleet	27	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	30	5	0	0	3	3	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
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	92	27	1	1	7	13	15	6
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	26,165	5,774	997	301	1,651	3,475	3,251	667
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	25	7	1	4	16	11	1
Acceleration Simulation Mode (ASM)	Partial	Referee	110	176	41	87	39	94	100	128
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	196,993	34,999	5,752	1,993	9,308	20,860	19,911	3,913
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	111	13	1	0	4	8	6	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	107,445	18,750	3,277	1,198	4,877	11,472	10,352	2,359
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	7	4	1	0	2	2	2	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	14,892	2,575	389	183	964	1,361	1,625	354
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	1,734	154	6	409	1,234	573	10
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	547	323	64	133	89	151	220	190
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	170,008	17,346	2,327	1,050	7,260	8,175	11,520	1,906
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	146,085	19,795	3,619	1,309	7,115	11,356	12,173	2,461
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	61,751	11,601	2,707	787	2,663	5,228	7,317	1,637
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	2,348	355	79	31	86	160	233	55
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	37,797	6,134	1,220	371	1,842	2,389	4,165	932
Two Speed Idle (TSI)	Basic	Government Fleet	0	101	15	2	44	41	61	2
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	7	4	1	1	0	2	2	3
Two Speed Idle (TSI)	Basic	Referee	369	365	78	160	79	134	247	225
Two Speed Idle (TSI)	Basic	Test and Repair	497,701	61,509	12,523	3,584	17,694	25,780	40,993	7,570
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	44,487	2,631	403	128	892	890	1,773	311
Two Speed Idle (TSI)	Basic	Test Only	86,025	12,609	2,798	809	3,629	5,782	7,553	1,663
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	635	113	29	12	38	50	84	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)	Change of Ownership	Gold Shield in COO Area	22,262	4,222	1,289	310	770	2,433	2,366	597
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	1,325	303	91	21	77	145	206	45
Two Speed Idle (TSI)	Change of Ownership	Referee	35	44	11	21	5	14	26	31
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	22,698	3,265	804	243	852	1,563	2,153	461
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	493	31	4	4	14	9	22	6
Two Speed Idle (TSI)	Change of Ownership	Test Only	9,517	1,521	438	117	371	814	871	213
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	4,559	440	61	28	229	112	345	39
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	4,676	444	66	21	209	129	330	36
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	32,374	3,650	775	236	1,557	1,382	2,441	482
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	261	52	5	87	107	152	7
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	347	50	11	4	0	25	27	17
Two Speed Idle (TSI)	Enhanced	Referee	541	280	47	134	92	80	146	165
Two Speed Idle (TSI)	Enhanced	Test and Repair	248,639	17,184	2,511	868	8,924	4,880	13,063	1,675
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	5,246	263	7	7	198	17	240	11
Two Speed Idle (TSI)	Enhanced	Test Only	330,825	30,329	5,640	1,320	14,638	10,820	20,790	2,640
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	472	57	7	6	26	18	46	8
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	403	63	14	6	24	21	46	8
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	2,460	322	85	15	118	140	204	37
Two Speed Idle (TSI)	Partial	Government Fleet	0	4	1	0	1	1	3	0
Two Speed Idle (TSI)	Partial	Referee	36	14	3	5	6	5	11	7
Two Speed Idle (TSI)	Partial	Test and Repair	20,700	2,044	469	137	749	841	1,364	281
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	594	23	1	0	15	2	21	0
Two Speed Idle (TSI)	Partial	Test Only	8,944	903	210	59	319	383	550	128
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	4,257	604	105	49	233	198	452	102
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	11,464	1,349	353	113	390	663	870	204
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	5,982	700	131	51	285	245	502	98
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	68	15	4	20	37	27	5
Two Speed Idle (TSI)	Unknown Program	Permanent Fleet Registered	10	6	1	0	0	1	4	3

	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	Referee	431	160	89	31	27	102	69	55
Two Speed Idle (TSI)	Unknown Program	Test and Repair	66,705	5,692	900	337	2,736	1,766	4,336	638
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	6,165	291	15	15	182	34	256	23
Two Speed Idle (TSI)	Unknown Program	Test Only	33,144	2,188	316	126	1,244	618	1,648	224
UnKnown TestType	Enhanced	Referee	87	7	0	3	0	7	3	5
UnKnown TestType	Unknown Program	Referee	202	1	0	0	1	1	1	1