

Executive Summary Report

SMOG CHECK Statewide

Year 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	9,554,028	1,222,579	12.80%
Total	11,037,015	1,548,623	14.03%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	8,177,884	85.60%	1,376,144	14.40%
Total	9,274,729	84.03%	1,762,286	15.97%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	4,911,227	85.70%	819,312	14.30%
Total	5,600,821	84.82%	1,002,023	15.18%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	188,411	1.97%
All Emissions	618,872	6.48%
All Visual	139,504	1.46%
All Functional	803,046	8.41%
OBDII	415,987	4.35%
Overall	1,222,579	12.80%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	2,943,969	2,626,999
Directed Vehicles	2,786,570	2,284,228
Total	5,730,539	4,911,227

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	545,085	463,642
Directed Vehicles	195,442	148,185
Total	740,527	611,827

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,754	300	571	43	0	5,668
Test Only	2,468	48	23	2	0	2,541
Basic Area Dealer	0	1	123	0	0	124
Business Fleet	5	1	0	0	0	6
Gold Shield	524	34	68	86	0	712
Government Fleet	243	9	37	2	0	291
Permanent Fleet Registered	35	1	5	0	0	41
Referee	36	0	6	1	0	43
Unknown Type	1	0	0	0	0	1
Total	8,066	394	833	134	0	9,427

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	7,661,319	988,913	12.91%	149,673	1.95%
Partially Enhanced	462,950	68,579	14.81%	10,317	2.23%
Basic	862,699	105,002	12.17%	18,069	2.09%
Change of Ownership	63,523	9,625	15.15%	2,538	4.00%
No Program	47	6	12.77%	0	0.00%
Unknown Program	503,490	50,454	10.02%	7,814	1.55%
Total Program Area	9,554,028	1,222,579	12.80%	188,411	1.97%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	5,730,539	801,810	13.99%	130,985	2.29%
Regular	2,982,068	289,948	9.72%	37,161	1.25%
Basic Area Dealer	52,976	2,901	5.48%	339	0.64%
Gold Shield in Enhanced Area	621,160	101,263	16.30%	14,539	2.34%
Gold Shield in Basic Area	71,672	12,286	17.14%	2,471	3.45%
Gold Shield in COO Area	47,695	6,478	13.58%	1,699	3.56%
Business Fleet	140	4	2.86%	0	0.00%
Permanent Fleet Registered	1,015	113	11.13%	14	1.38%
Referee	8,760	4,394	50.16%	936	10.68%
Government Fleet	37,991	3,380	8.90%	267	0.70%
Unknown Privilege	12	2	16.67%	0	0.00%
Total	9,554,028	1,222,579	12.80%	188,411	1.97%

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	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1934	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1955	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1962	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	15	11	73.33%	46.67%	46.67%	0.00%	13.33%	0.00%
MY-1966	10	5	50.00%	40.00%	20.00%	10.00%	20.00%	0.00%
MY-1967	1	1	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
MY-1968	6	3	50.00%	16.67%	0.00%	33.33%	16.67%	0.00%
MY-1969	2	1	50.00%	0.00%	0.00%	50.00%	50.00%	0.00%
MY-1970	5	4	80.00%	60.00%	20.00%	40.00%	40.00%	0.00%
MY-1971	8	5	62.50%	62.50%	12.50%	37.50%	25.00%	0.00%
MY-1972	5	2	40.00%	20.00%	0.00%	40.00%	40.00%	0.00%
MY-1973	7	2	28.57%	14.29%	14.29%	14.29%	28.57%	0.00%
MY-1974	48	10	20.83%	12.50%	6.25%	10.42%	10.42%	0.00%
MY-1975	115	47	40.87%	29.57%	17.39%	21.74%	13.91%	0.00%
MY-1976	15,509	4,691	30.25%	20.01%	9.69%	18.63%	8.56%	0.00%
MY-1977	21,721	6,680	30.75%	18.24%	8.61%	20.54%	8.70%	0.00%
MY-1978	24,888	7,732	31.07%	18.96%	9.30%	20.43%	8.78%	0.00%
MY-1979	27,219	8,954	32.90%	20.85%	10.10%	21.65%	8.99%	0.00%
MY-1980	17,265	5,178	29.99%	20.78%	10.95%	18.53%	8.74%	0.00%
MY-1981	20,285	6,387	31.49%	23.51%	11.21%	18.09%	8.53%	0.00%
MY-1982	23,733	7,188	30.29%	22.86%	10.92%	17.36%	7.98%	0.00%
MY-1983	32,575	9,946	30.53%	22.97%	10.70%	17.04%	7.60%	0.00%
MY-1984	59,519	18,609	31.27%	24.07%	12.12%	17.63%	7.54%	0.00%
MY-1985	80,991	24,279	29.98%	22.69%	10.68%	17.00%	6.56%	0.00%
MY-1986	115,660	32,291	27.92%	20.24%	9.27%	16.16%	5.60%	0.00%
MY-1987	137,478	39,730	28.90%	21.77%	8.86%	15.71%	5.20%	0.00%
MY-1988	166,109	43,682	26.30%	19.37%	7.55%	14.41%	4.34%	0.00%
MY-1989	223,210	52,973	23.73%	16.68%	6.13%	13.38%	3.69%	0.00%
MY-1990	262,996	59,186	22.50%	16.03%	5.56%	12.07%	3.02%	0.00%
MY-1991	308,498	64,350	20.86%	14.74%	4.85%	11.11%	2.47%	0.00%
MY-1992	304,411	59,222	19.45%	13.57%	4.35%	10.11%	2.34%	0.00%
MY-1993	364,315	77,850	21.37%	15.74%	3.82%	10.07%	2.33%	0.00%
MY-1994	455,387	82,391	18.09%	11.96%	2.66%	9.13%	2.05%	0.00%
MY-1995	448,549	75,258	16.78%	11.08%	2.44%	8.31%	1.95%	0.00%
MY-1996	591,217	92,856	15.71%	6.35%	0.97%	11.42%	1.11%	10.73%
MY-1997	512,028	77,362	15.11%	5.62%	1.00%	11.36%	1.06%	10.69%
MY-1998	814,094	83,011	10.20%	3.09%	0.55%	7.91%	0.70%	7.54%
MY-1999	592,924	57,161	9.64%	2.28%	0.45%	7.96%	0.67%	7.63%
MY-2000	1,305,009	91,056	6.98%	1.19%	0.27%	6.02%	0.44%	5.75%
MY-2001	491,893	40,323	8.20%	1.02%	0.24%	7.43%	0.47%	7.16%
MY-2002	1,416,781	70,039	4.94%	0.47%	0.12%	4.47%	0.33%	4.28%
MY-2003	249,909	9,421	3.77%	0.43%	0.12%	3.33%	0.24%	3.17%
MY-2004	215,606	7,709	3.58%	0.25%	0.07%	3.29%	0.16%	3.07%
MY-2005	90,765	3,050	3.36%	0.22%	0.06%	3.05%	0.19%	2.87%
MY-2006	66,030	1,913	2.90%	0.21%	0.06%	2.60%	0.20%	2.40%
MY-2007	63,970	1,426	2.23%	0.15%	0.06%	2.03%	0.10%	1.90%
MY-2008	31,266	553	1.77%	0.25%	0.19%	1.48%	0.11%	1.33%
MY-2009	1,988	29	1.46%	0.05%	0.00%	1.36%	0.05%	1.36%
All Model Years	9,554,028	1,222,579	12.80%	6.48%	1.97%	8.41%	1.46%	4.35%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	6,549
Certificate of Non Compliance	16
Parts Cost	967
Hardship Extensions	2,151
Exempt Vehicle	470
Exempted by Directive	1,445
Parts Exemption	38
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	11,636

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,219
Stations Locked-Out at Least Once	3,979
Stations Conducted at Least One Test	8,208

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,868	5,879
EA	Gas Endorsement	15	0
EB	Both Endorsement	68	0
EB	Gas Endorsement	585	0
EU	Gas Endorsement	1	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	5,071,802	49.64	579,201	50.49	5,651,003	49.73
Test and Repair	1,971,229	47.60	978,542	47.39	2,949,771	47.53
Test and Repair Dealer	159	54.95	52,825	51.19	52,984	51.20
Referee	4,355	30.00	1,447	30.00	5,802	30.00
Gold Shield in Enhanced Area	494,821	49.10	124,522	45.99	619,343	48.48
Gold Shield in Basic Area	8	67.63	71,686	37.13	71,694	37.13
Gold Shield in COO Area	438	63.87	46,996	51.79	47,434	51.91

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	86,510	22.10	293,035	213.64
	\$51-150	74,686	100.90		
	\$151-250	47,389	199.37		
	\$251-450	49,885	336.33		
	Over \$450	34,565	779.07		
CAP Repairs	\$1-50	1,593	23.72	46,716	372.30
	\$51-150	3,458	106.23		
	\$151-250	6,221	203.98		
	\$251-450	16,913	354.03		
	Over \$450	18,531	525.09		
Total Repairs	\$1-50	75,142	22.31	304,136	263.02
	\$51-150	61,911	101.06		
	\$151-250	48,484	200.29		
	\$251-450	62,233	341.67		
	Over \$450	56,366	728.95		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	43,121	372.30

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	114	38	4	0	7	23	22	2
Acceleration Simulation Mode (ASM)	Basic	Referee	7	7	2	2	2	2	6	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	676	119	17	6	39	65	71	16
Acceleration Simulation Mode (ASM)	Basic	Test Only	640	97	11	8	31	57	56	9
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	16	5	0	1	0	4	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	4	2	1	0	4	3	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	71	9	2	0	4	4	6	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	104	15	1	1	3	9	9	2
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	108	3	0	0	1	1	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	330	36	3	0	22	15	27	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	355,860	74,077	10,196	3,640	24,895	37,992	47,795	9,061
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	1,151	44	8	606	392	782	19
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	223	62	5	0	37	19	43	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	2,587	2,959	589	1,067	670	1,546	1,592	1,469
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	1,395,768	142,041	14,868	6,966	71,113	55,788	104,675	13,593
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	38	7	0	1	2	4	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	4,122,876	709,100	115,539	36,952	210,095	403,975	443,846	80,629
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	18	3	0	0	0	2	2	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	14	3	0	0	2	1	3	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	36	7	1	0	4	1	7	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	32,214	7,654	1,162	369	2,407	4,122	4,868	905
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	41	6	1	14	18	23	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	Referee	113	222	50	96	40	118	124	141
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	199,919	36,615	5,226	1,854	10,333	19,461	23,121	4,111
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	98	10	0	1	4	3	8	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	111,082	20,093	3,186	1,143	5,802	11,206	12,135	2,287
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	17,365	3,161	488	239	1,238	1,560	2,100	439
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	1,735	138	5	355	1,209	581	13
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	411	239	52	93	47	120	131	128
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	139,831	14,617	1,905	834	6,536	6,764	10,026	1,683
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	139,761	19,662	3,317	1,349	7,692	10,694	12,741	2,583
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	7	2	0	0	0	1	1	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	51,161	11,265	2,303	848	3,001	4,490	7,753	1,820
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	3,659	529	111	27	154	225	361	55
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	46,253	8,786	1,433	559	2,677	2,986	6,358	1,561
Two Speed Idle (TSI)	Basic	Government Fleet	0	96	14	1	44	24	72	2
Two Speed Idle (TSI)	Basic	Referee	321	437	88	215	79	146	244	287
Two Speed Idle (TSI)	Basic	Test and Repair	512,513	68,635	11,182	3,579	21,326	23,969	50,102	8,100
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	38,180	2,433	308	96	881	672	1,826	292
Two Speed Idle (TSI)	Basic	Test Only	82,041	12,559	2,596	686	4,127	5,264	8,361	1,396
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	504	110	30	9	29	43	80	22
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	20,229	4,203	1,192	252	858	2,256	2,550	516
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	2,035	529	139	49	116	265	369	105
Two Speed Idle (TSI)	Change of Ownership	Referee	39	52	15	20	9	27	30	30
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	20,259	3,021	704	225	838	1,295	2,137	484

	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	Test and Repair Dealer	412	28	3	0	11	11	19	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	9,111	1,648	450	131	400	797	1,017	236
Two Speed Idle (TSI)	Enhanced	Business-Fleet	11	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	3,855	344	36	16	213	70	286	29
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	5,116	435	57	14	231	118	341	31
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	48,629	5,745	887	285	2,658	1,736	4,415	673
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	247	43	0	114	84	165	4
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	395	49	9	0	6	27	23	14
Two Speed Idle (TSI)	Enhanced	Referee	491	305	39	140	123	74	176	170
Two Speed Idle (TSI)	Enhanced	Test and Repair	248,474	16,913	2,040	808	9,716	3,901	13,726	1,615
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	4,368	215	11	5	152	24	191	7
Two Speed Idle (TSI)	Enhanced	Test Only	400,520	35,221	5,307	1,489	19,256	10,362	26,394	3,025
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	430	36	4	3	14	12	25	7
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	484	44	8	2	15	16	33	6
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	3,479	473	90	28	201	163	350	59
Two Speed Idle (TSI)	Partial	Referee	19	13	1	9	6	1	9	11
Two Speed Idle (TSI)	Partial	Test and Repair	23,143	2,326	388	145	960	742	1,747	288
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	490	26	0	0	15	3	23	2
Two Speed Idle (TSI)	Partial	Test Only	11,003	1,017	195	66	443	369	688	126
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	2,844	528	98	62	209	177	390	99
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	10,364	1,224	327	86	399	555	854	180
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	6,830	795	140	55	361	257	606	114
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	108	22	1	45	43	71	3
Two Speed Idle (TSI)	Unknown Program	Referee	364	155	98	24	26	110	58	52
Two Speed Idle (TSI)	Unknown Program	Test and Repair	60,521	5,649	829	384	2,797	1,618	4,453	709
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	4,704	182	17	6	123	33	157	15
Two Speed Idle (TSI)	Unknown Program	Test Only	34,072	2,395	383	142	1,351	724	1,769	254
UnKnown TestType	Change of Ownership	Referee	4	1	0	0	0	1	0	1