

Executive Summary Report

SMOG CHECK Statewide

April 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	819,163	104,680	12.78%
Total	953,819	135,859	14.24%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	701,844	85.68%	117,319	14.32%
Total	800,613	83.94%	153,206	16.06%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	424,624	85.72%	70,759	14.28%
Total	486,732	84.84%	86,951	15.16%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	15,929	1.94%
All Emissions	51,948	6.34%
All Visual	12,777	1.56%
All Functional	44,145	5.39%
OBDII	37,965	4.63%
Overall	104,680	12.78%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	265,798	237,776
Directed Vehicles	229,585	186,848
Total	495,383	424,624

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	53,012	45,072
Directed Vehicles	17,949	13,303
Total	70,961	58,375

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,956	263	514	32	0	4,765
Test Only	2,194	48	19	1	0	2,262
Basic Area Dealer	0	1	110	0	0	111
Gold Shield	494	34	69	77	0	674
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	31	1	5	0	0	37
Referee	36	0	6	1	0	43
Government Fleet	244	9	37	2	0	292
Unknown Type	1	0	0	0	0	1
Total	6,959	356	760	113	0	8,188

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	656,058	84,818	12.93%	12,657	1.93%
Partially Enhanced	40,300	5,966	14.80%	896	2.22%
Basic	73,512	8,815	11.99%	1,521	2.07%
Change of Ownership	5,442	846	15.55%	222	4.08%
No Program	9	6	66.67%	0	0.00%
Unknown Program	43,842	4,229	9.65%	633	1.44%
Total Program Area	819,163	104,680	12.78%	15,929	1.94%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	495,383	69,418	14.01%	11,080	2.24%
Regular	243,318	22,264	9.15%	2,801	1.15%
Basic Area Dealer	4,066	202	4.97%	12	0.30%
Gold Shield in Enhanced Area	59,761	10,175	17.03%	1,532	2.56%
Gold Shield in Basic Area	6,812	1,131	16.60%	256	3.76%
Gold Shield in COO Area	4,388	619	14.11%	149	3.40%
Business Fleet	9	0	0.00%	0	0.00%
Permanent Fleet Registered	6	1	16.67%	0	0.00%
Referee	932	496	53.22%	71	7.62%
Government Fleet	4,488	374	8.33%	28	0.62%
Total	819,163	104,680	12.78%	15,929	1.94%

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-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1964	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	2	2	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	13	5	38.46%	23.08%	7.69%	15.38%	23.08%	0.00%
MY-1976	1,374	408	29.69%	20.09%	9.61%	17.39%	7.71%	0.00%
MY-1977	1,796	524	29.18%	17.32%	7.57%	18.60%	9.13%	0.00%
MY-1978	2,102	631	30.02%	18.32%	9.28%	19.65%	8.90%	0.00%
MY-1979	2,135	678	31.76%	20.52%	10.63%	20.84%	8.57%	0.00%
MY-1980	1,298	363	27.97%	19.11%	10.63%	16.18%	8.55%	0.00%
MY-1981	1,655	504	30.45%	23.38%	11.72%	18.37%	10.03%	0.00%
MY-1982	1,893	578	30.53%	23.30%	11.25%	17.43%	8.14%	0.00%
MY-1983	2,619	765	29.21%	22.76%	10.39%	16.88%	7.60%	0.00%
MY-1984	4,711	1,486	31.54%	24.84%	12.69%	17.47%	7.62%	0.00%
MY-1985	6,278	1,887	30.06%	22.63%	10.69%	17.55%	6.69%	0.00%
MY-1986	8,574	2,319	27.05%	19.21%	8.96%	16.04%	5.70%	0.00%
MY-1987	10,303	2,912	28.26%	21.33%	9.33%	15.35%	5.25%	0.00%
MY-1988	12,619	3,353	26.57%	19.46%	7.59%	14.65%	4.69%	0.00%
MY-1989	16,903	4,113	24.33%	17.08%	6.44%	13.89%	4.02%	0.00%
MY-1990	20,339	4,734	23.28%	16.90%	6.03%	12.59%	3.59%	0.00%
MY-1991	23,707	5,280	22.27%	16.14%	5.49%	12.11%	2.99%	0.00%
MY-1992	24,053	5,001	20.79%	14.49%	4.94%	11.00%	2.80%	0.00%
MY-1993	28,138	6,399	22.74%	17.02%	4.23%	10.80%	2.86%	0.00%
MY-1994	32,498	6,606	20.33%	13.98%	3.24%	10.31%	2.54%	0.00%
MY-1995	46,215	7,659	16.57%	11.03%	2.48%	8.00%	2.21%	0.00%
MY-1996	31,588	6,280	19.88%	8.51%	1.47%	5.51%	1.55%	13.54%
MY-1997	58,370	8,226	14.09%	5.30%	0.86%	3.96%	1.09%	9.77%
MY-1998	44,687	5,943	13.30%	4.20%	0.71%	3.84%	1.01%	9.89%
MY-1999	79,125	6,803	8.60%	1.98%	0.41%	2.44%	0.74%	6.77%
MY-2000	44,035	4,678	10.62%	2.13%	0.56%	3.15%	0.81%	8.79%
MY-2001	108,863	7,549	6.93%	0.78%	0.16%	2.16%	0.47%	6.04%
MY-2002	33,372	2,466	7.39%	0.95%	0.27%	2.15%	0.48%	6.45%
MY-2003	117,663	4,968	4.22%	0.36%	0.10%	1.35%	0.29%	3.64%
MY-2004	14,893	561	3.77%	0.38%	0.06%	1.14%	0.30%	3.16%
MY-2005	17,886	566	3.16%	0.25%	0.06%	0.91%	0.16%	2.78%
MY-2006	7,502	199	2.65%	0.17%	0.04%	0.61%	0.19%	2.21%
MY-2007	5,474	139	2.54%	0.16%	0.04%	0.60%	0.20%	2.16%
MY-2008	5,055	71	1.40%	0.14%	0.00%	0.55%	0.16%	1.09%
MY-2009	1,402	24	1.71%	0.78%	0.00%	0.43%	0.64%	0.78%
MY-2010	21	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	819,163	104,680	12.78%	6.34%	1.94%	5.39%	1.56%	4.63%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	735
Certificate of Non Compliance	1
Parts Cost	156
Hardship Extensions	486
Exempt Vehicle	38
Exempted by Directive	127
Parts Exemption	14
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,557

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,099
Stations Locked-Out at Least Once	326
Stations Conducted at Least One Test	7,089

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,807	5,980
EA	Gas Endorsement	10	0
EB	Both Endorsement	53	0
EB	Gas Endorsement	506	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	436,544	48.77	53,551	50.07	490,095	48.91
Test and Repair	159,439	47.17	80,829	47.23	240,268	47.19
Test and Repair Dealer	29	82.83	4,037	53.00	4,066	53.21
Referee	400	30.00	129	30.00	529	30.00
Gold Shield in Enhanced Area	47,186	48.42	12,453	46.50	59,639	48.02
Gold Shield in Basic Area	0	0.00	6,812	38.79	6,812	38.79
Gold Shield in COO Area	41	53.29	4,347	49.24	4,388	49.28

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	7,851	22.13	25,096	207.21
	\$51-150	6,416	100.35		
	\$151-250	3,762	200.37		
	\$251-450	4,208	337.53		
	Over \$450	2,859	772.44		
CAP Repairs	\$1-50	148	21.69	5,917	396.97
	\$51-150	287	106.23		
	\$151-250	652	207.06		
	\$251-450	2,053	356.08		
	Over \$450	2,777	521.83		
Total Repairs	\$1-50	6,245	22.35	26,353	286.46
	\$51-150	4,849	99.98		
	\$151-250	3,719	201.56		
	\$251-450	5,530	344.77		
	Over \$450	6,010	710.23		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	5,566	396.97

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	10	7	2	0	2	6	3	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	0	1	1	1	1	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 and Repair	53	4	1	0	2	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	41	11	3	0	3	9	7	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	7	2	1	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	33	5	0	3	1	2	2	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	33,104	7,309	1,068	398	2,628	3,702	3,049	1,000
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	108	7	3	62	31	30	7
Acceleration Simulation Mode (ASM)	Enhanced	Referee	253	276	52	109	75	138	88	135
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	114,057	10,647	1,074	534	5,844	3,988	4,048	1,004
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	352,794	61,202	9,731	3,482	19,422	33,995	26,022	7,469
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	2	4	0	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	0	3	0	1	1	2	2	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,582	876	134	30	294	438	397	97
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	8	1	0	3	5	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	18	21	3	12	4	9	4	14
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,133	2,852	403	173	913	1,497	1,219	374
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,273	1,856	292	100	552	1,046	772	205
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,610	299	52	29	126	156	108	51
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	221	15	1	39	160	44	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	30	23	3	12	5	11	12	14

	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	11,987	1,128	164	68	550	494	417	130
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,709	1,623	270	114	684	848	633	232
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,918	1,029	232	96	314	415	516	154
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	481	80	19	3	25	35	42	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	4,938	912	125	64	324	265	451	211
Two Speed Idle (TSI)	Basic	Government Fleet	0	6	1	0	2	3	3	0
Two Speed Idle (TSI)	Basic	Referee	42	37	8	18	7	13	16	23
Two Speed Idle (TSI)	Basic	Test and Repair	42,685	5,515	909	301	1,834	1,899	2,815	646
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	2,941	169	9	6	82	31	77	18
Two Speed Idle (TSI)	Basic	Test Only	6,988	1,030	212	55	378	416	438	139
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	47	15	5	2	4	7	9	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,817	371	96	26	83	178	186	49
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	195	59	22	5	7	32	33	11
Two Speed Idle (TSI)	Change of Ownership	Referee	3	6	2	3	0	4	3	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,590	241	53	24	79	113	116	43
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	25	3	1	0	0	1	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	839	149	42	11	34	72	70	20
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	358	35	4	2	19	9	8	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	434	42	3	2	19	12	18	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,678	581	101	29	301	171	252	64
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	19	1	0	11	5	6	0
Two Speed Idle (TSI)	Enhanced	Referee	51	29	3	16	12	4	11	19
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,023	1,250	126	70	749	270	504	122
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	335	19	2	0	13	4	9	1
Two Speed Idle (TSI)	Enhanced	Test Only	37,940	3,245	485	122	1,828	962	1,156	272
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	40	5	2	0	2	2	1	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	45	5	2	0	3	2	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	323	55	12	1	22	20	24	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)	Partial	Test and Repair	1,967	179	24	9	92	48	83	24
Two Speed Idle (TSI)	Partial	Test Only	1,015	99	23	3	47	35	37	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	250	47	13	8	23	19	23	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	903	113	29	12	36	46	57	20
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	608	77	16	7	28	29	33	16
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	12	3	1	4	4	6	0
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,126	445	46	27	250	121	186	55
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	388	9	0	0	2	3	5	1
Two Speed Idle (TSI)	Unknown Program	Test Only	3,013	198	22	16	115	53	78	31
UnKnown TestType	Basic	Referee	2	13	0	5	0	13	0	6
UnKnown TestType	Enhanced	Referee	5	50	0	26	0	50	3	31
UnKnown TestType	Partial	Referee	2	5	0	3	0	5	0	3
UnKnown TestType	Unknown Program	Referee	21	31	0	16	0	31	0	18