

Executive Summary Report

SMOG CHECK Statewide

March 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	904,819	116,875	12.92%
Total	1,052,091	150,119	14.27%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	774,002	85.54%	130,817	14.46%
Total	882,878	83.92%	169,213	16.08%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	471,190	85.66%	78,871	14.34%
Total	541,201	84.75%	97,412	15.25%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	17,583	1.94%
All Emissions	58,021	6.41%
All Visual	14,208	1.57%
All Functional	77,818	8.60%
OBDII	42,547	4.70%
Overall	116,875	12.92%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	290,586	259,675
Directed Vehicles	259,475	211,515
Total	550,061	471,190

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	58,477	49,622
Directed Vehicles	20,474	15,207
Total	78,951	64,829

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,976	262	516	35	0	4,789
Test Only	2,176	46	19	1	0	2,242
Basic Area Dealer	0	1	111	0	0	112
Gold Shield	496	36	69	76	0	677
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	243	9	37	2	0	291
Unknown Type	1	0	0	0	0	1
Total	6,962	355	763	115	0	8,195

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	725,952	94,977	13.08%	14,023	1.93%
Partially Enhanced	45,243	6,765	14.95%	1,021	2.26%
Basic	80,916	9,596	11.86%	1,592	1.97%
Change of Ownership	5,980	938	15.69%	242	4.05%
No Program	3	1	33.33%	0	0.00%
Unknown Program	46,725	4,598	9.84%	705	1.51%
Total Program Area	904,819	116,875	12.92%	17,583	1.94%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	550,061	77,329	14.06%	12,235	2.22%
Regular	265,277	25,062	9.45%	3,144	1.19%
Basic Area Dealer	4,538	214	4.72%	18	0.40%
Gold Shield in Enhanced Area	67,021	11,442	17.07%	1,638	2.44%
Gold Shield in Basic Area	7,130	1,276	17.90%	241	3.38%
Gold Shield in COO Area	4,800	665	13.85%	174	3.62%
Business Fleet	11	0	0.00%	0	0.00%
Permanent Fleet Registered	20	5	25.00%	1	5.00%
Referee	890	464	52.13%	99	11.12%
Government Fleet	5,068	418	8.25%	33	0.65%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	904,819	116,875	12.92%	17,583	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-0	15	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	2	2	100.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1974	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	8	1	12.50%	12.50%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,444	415	28.74%	17.80%	7.48%	17.52%	8.38%	0.00%
MY-1977	1,973	550	27.88%	16.42%	8.57%	18.40%	7.30%	0.00%
MY-1978	2,319	679	29.28%	17.25%	8.71%	19.36%	8.71%	0.00%
MY-1979	2,518	772	30.66%	19.62%	8.58%	20.14%	8.46%	0.00%
MY-1980	1,488	415	27.89%	18.35%	9.21%	18.35%	8.74%	0.00%
MY-1981	1,831	522	28.51%	20.70%	9.28%	16.77%	9.01%	0.00%
MY-1982	2,055	643	31.29%	22.77%	9.39%	16.93%	8.95%	0.00%
MY-1983	2,802	836	29.84%	22.66%	10.64%	16.95%	8.39%	0.00%
MY-1984	5,148	1,606	31.20%	24.13%	12.08%	18.08%	8.04%	0.00%
MY-1985	6,892	2,117	30.72%	22.68%	10.88%	18.08%	7.08%	0.00%
MY-1986	9,353	2,631	28.13%	20.67%	9.13%	15.93%	5.91%	0.00%
MY-1987	11,496	3,360	29.23%	22.25%	9.47%	16.28%	5.64%	0.00%
MY-1988	14,089	3,662	25.99%	18.86%	7.09%	14.22%	4.62%	0.00%
MY-1989	18,693	4,604	24.63%	17.58%	6.76%	14.12%	4.40%	0.00%
MY-1990	22,696	5,213	22.97%	16.62%	6.05%	12.20%	3.37%	0.00%
MY-1991	26,010	5,678	21.83%	15.39%	4.96%	12.05%	2.81%	0.00%
MY-1992	26,514	5,541	20.90%	14.97%	5.15%	10.81%	2.87%	0.00%
MY-1993	30,898	7,165	23.19%	17.52%	4.34%	10.86%	2.73%	0.00%
MY-1994	36,479	7,514	20.60%	14.08%	3.28%	10.59%	2.66%	0.00%
MY-1995	51,353	8,378	16.31%	11.08%	2.42%	7.85%	2.16%	0.00%
MY-1996	35,876	7,027	19.59%	8.43%	1.47%	14.24%	1.52%	13.35%
MY-1997	64,053	9,260	14.46%	5.46%	0.91%	10.71%	1.12%	10.04%
MY-1998	50,632	6,678	13.19%	4.28%	0.84%	10.19%	0.98%	9.73%
MY-1999	86,903	7,748	8.92%	2.13%	0.41%	7.26%	0.67%	6.93%
MY-2000	50,523	5,514	10.91%	2.17%	0.54%	9.37%	0.73%	9.02%
MY-2001	118,541	8,295	7.00%	0.79%	0.20%	6.30%	0.48%	6.05%
MY-2002	39,659	3,112	7.85%	0.97%	0.26%	7.01%	0.58%	6.80%
MY-2003	128,146	5,353	4.18%	0.37%	0.12%	3.74%	0.33%	3.59%
MY-2004	15,636	604	3.86%	0.40%	0.11%	3.43%	0.30%	3.21%
MY-2005	19,000	556	2.93%	0.17%	0.04%	2.69%	0.22%	2.57%
MY-2006	7,488	211	2.82%	0.13%	0.04%	2.56%	0.20%	2.47%
MY-2007	5,421	122	2.25%	0.13%	0.02%	2.05%	0.18%	1.97%
MY-2008	5,583	61	1.09%	0.09%	0.05%	0.99%	0.11%	0.86%
MY-2009	1,257	29	2.31%	0.72%	0.72%	1.51%	0.08%	1.35%
MY-2010	19	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2011	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	100.00%
All Model Years	904,819	116,875	12.92%	6.41%	1.94%	8.60%	1.57%	4.70%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	706
Certificate of Non Compliance	0
Parts Cost	114
Hardship Extensions	361
Exempt Vehicle	61
Exempted by Directive	150
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,401

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,090
Stations Locked-Out at Least Once	264
Stations Conducted at Least One Test	7,105

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,861	6,114
EA	Gas Endorsement	10	0
EB	Both Endorsement	52	0
EB	Gas Endorsement	518	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	484,728	49.13	58,835	50.29	543,563	49.25
Test and Repair	174,016	46.90	87,926	46.99	261,942	46.93
Test and Repair Dealer	34	67.91	4,504	50.52	4,538	50.65
Referee	388	30.00	157	30.00	545	30.00
Gold Shield in Enhanced Area	52,815	49.21	14,007	47.01	66,822	48.75
Gold Shield in Basic Area	0	0.00	7,130	39.11	7,130	39.11
Gold Shield in COO Area	42	44.19	4,758	49.83	4,800	49.78

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	8,238	22.00	26,580	216.05
	\$51-150	6,666	99.83		
	\$151-250	4,017	199.03		
	\$251-450	4,463	337.69		
	Over \$450	3,196	810.19		
CAP Repairs	\$1-50	163	24.21	5,087	395.19
	\$51-150	259	105.29		
	\$151-250	558	204.68		
	\$251-450	1,683	353.96		
	Over \$450	2,424	523.60		
Total Repairs	\$1-50	6,882	22.19	27,671	280.19
	\$51-150	5,412	99.55		
	\$151-250	4,020	200.18		
	\$251-450	5,555	344.15		
	Over \$450	5,802	748.88		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,761	395.19

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	11	2	1	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	54	5	1	0	0	4	2	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)	Basic	Test Only	38	4	0	0	2	1	4	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	7	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	29	9	1	3	6	1	6	4
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	37,213	8,297	1,129	423	2,947	4,189	5,424	1,113
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	119	3	1	66	38	81	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	243	294	57	124	61	149	159	168
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	123,474	12,259	1,268	599	6,772	4,451	9,268	1,249
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	392,466	68,076	10,790	3,832	21,718	38,144	43,342	8,211
Acceleration Simulation Mode (ASM)	No Program	Test Only	1	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,959	1,000	148	62	351	526	642	127
Acceleration Simulation Mode (ASM)	Partial	Referee	15	20	4	14	1	11	7	17
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,026	3,312	515	173	1,000	1,782	2,115	407
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	11	3	0	0	1	1	1	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,667	2,049	285	127	666	1,072	1,304	276
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,678	349	57	27	139	177	244	55
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	258	27	0	62	178	93	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	42	26	7	10	6	14	14	14
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,987	1,194	156	69	571	532	821	135
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,365	1,849	309	131	752	981	1,260	254
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,118	1,149	222	84	320	459	786	157

	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	Gold Shield in COO Area	480	64	16	5	22	27	44	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	5,584	977	164	64	335	326	686	189
Two Speed Idle (TSI)	Basic	Referee	39	67	17	36	9	27	43	51
Two Speed Idle (TSI)	Basic	Test and Repair	47,004	5,957	902	303	1,992	1,997	4,381	666
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,316	181	17	11	66	40	134	24
Two Speed Idle (TSI)	Basic	Test Only	7,952	1,186	252	66	425	474	788	153
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	69	18	4	0	4	9	13	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,991	424	121	20	96	220	266	50
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	266	64	16	9	16	27	49	14
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,697	253	53	10	96	102	180	28
Two Speed Idle (TSI)	Change of Ownership	Test Only	883	170	47	15	48	80	109	28
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	303	46	2	5	34	4	38	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	506	33	6	3	20	9	29	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,172	621	94	29	301	180	479	72
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	25	3	0	13	8	17	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	2	4	1	0	0	2	2	2
Two Speed Idle (TSI)	Enhanced	Referee	43	33	5	18	13	7	15	21
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,608	1,440	157	92	894	314	1,165	151
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	359	15	1	0	12	1	14	1
Two Speed Idle (TSI)	Enhanced	Test Only	41,531	3,704	506	159	2,084	1,035	2,814	352
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	47	6	1	1	3	2	5	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	51	5	1	0	1	1	5	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	440	57	17	3	21	24	39	6
Two Speed Idle (TSI)	Partial	Referee	0	2	1	1	1	2	2	2
Two Speed Idle (TSI)	Partial	Test and Repair	2,141	215	36	9	95	74	156	25
Two Speed Idle (TSI)	Partial	Test Only	1,118	93	13	6	51	26	65	14
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	230	57	12	6	25	16	44	10
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	991	130	29	13	40	52	90	24
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	686	74	12	8	29	24	54	20

	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	Government Fleet	0	9	0	0	5	3	6	0
Two Speed Idle (TSI)	Unknown Program	Referee	42	17	8	7	1	11	6	9
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,310	427	56	29	232	117	340	54
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	414	11	0	0	9	1	10	1
Two Speed Idle (TSI)	Unknown Program	Test Only	3,162	196	32	17	101	65	138	26