

Executive Summary Report

SMOG CHECK Statewide

November 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	652,333	83,437	12.79%
Total	755,735	106,777	14.13%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	556,994	85.38%	95,339	14.62%
Total	632,951	83.75%	122,784	16.25%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	346,462	85.89%	56,932	14.11%
Total	394,476	85.05%	69,347	14.95%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,664	1.94%
All Emissions	41,300	6.33%
All Visual	9,731	1.49%
All Functional	27,525	4.22%
OBDII	30,195	4.63%
Overall	83,437	12.79%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	525,321	67,891	12.92%	10,199	1.94%
Partially Enhanced	31,834	4,744	14.90%	696	2.19%
Basic	58,593	6,942	11.85%	1,140	1.95%
Change of Ownership	4,062	600	14.77%	151	3.72%
No Program	4	0	0.00%	0	0.00%
Unknown Program	32,519	3,260	10.02%	478	1.47%
Total Program Area	652,333	83,437	12.79%	12,664	1.94%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	403,394	55,370	13.73%	8,905	2.21%
Regular	187,404	17,960	9.58%	2,249	1.20%
Basic Area Dealer	3,275	157	4.79%	18	0.55%
Gold Shield in Enhanced Area	46,966	7,971	16.97%	1,107	2.36%
Gold Shield in Basic Area	4,788	847	17.69%	152	3.17%
Gold Shield in COO Area	3,474	466	13.41%	124	3.57%
Business Fleet	10	0	0.00%	0	0.00%
Permanent Fleet Registered	54	6	11.11%	1	1.85%
Referee	910	464	50.99%	97	10.66%
Government Fleet	2,058	196	9.52%	11	0.53%
Total	652,333	83,437	12.79%	12,664	1.94%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	197,054	175,682
Directed Vehicles	206,340	170,780
Total	403,394	346,462

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	39,659	33,111
Directed Vehicles	15,569	11,738
Total	55,228	44,849

6. 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	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	3	3	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	3	2	66.67%	66.67%	0.00%	33.33%	33.33%	0.00%
MY-1975	8	6	75.00%	75.00%	37.50%	25.00%	37.50%	0.00%
MY-1976	966	298	30.85%	20.08%	10.04%	19.46%	8.18%	0.00%
MY-1977	1,448	409	28.25%	16.30%	7.60%	19.61%	10.15%	0.00%
MY-1978	1,593	476	29.88%	17.89%	9.10%	20.03%	8.47%	0.00%
MY-1979	1,950	631	32.36%	19.44%	9.33%	21.49%	8.10%	0.00%
MY-1980	1,210	342	28.26%	20.25%	10.99%	17.44%	7.85%	0.00%
MY-1981	1,313	370	28.18%	21.63%	9.82%	15.38%	8.38%	0.00%
MY-1982	1,730	490	28.32%	22.02%	11.04%	15.84%	7.51%	0.00%
MY-1983	1,898	547	28.82%	22.34%	10.17%	16.23%	7.64%	0.00%
MY-1984	3,898	1,181	30.30%	22.70%	11.19%	17.16%	7.36%	0.00%
MY-1985	5,324	1,521	28.57%	22.07%	10.44%	15.83%	6.63%	0.00%
MY-1986	7,419	2,031	27.38%	19.84%	9.25%	16.42%	5.61%	0.00%
MY-1987	9,708	2,686	27.67%	21.19%	8.54%	14.88%	4.99%	0.00%
MY-1988	10,760	2,758	25.63%	18.92%	7.52%	14.40%	4.63%	0.00%
MY-1989	14,994	3,538	23.60%	16.35%	6.13%	13.49%	3.84%	0.00%
MY-1990	17,288	3,899	22.55%	15.89%	5.66%	12.07%	3.18%	0.00%
MY-1991	21,236	4,411	20.77%	14.79%	4.81%	11.13%	2.59%	0.00%
MY-1992	19,914	3,855	19.36%	13.96%	4.50%	10.01%	2.37%	0.00%
MY-1993	24,325	5,244	21.56%	15.98%	3.84%	10.27%	2.43%	0.00%
MY-1994	29,136	5,468	18.77%	12.53%	2.86%	9.40%	2.22%	0.00%
MY-1995	30,957	5,180	16.73%	11.09%	2.55%	8.33%	2.08%	0.00%
MY-1996	38,103	6,252	16.41%	6.50%	1.04%	1.65%	1.29%	11.45%
MY-1997	33,969	5,259	15.48%	5.71%	1.11%	1.49%	1.17%	11.16%
MY-1998	55,011	5,922	10.77%	3.25%	0.59%	0.85%	0.76%	8.07%
MY-1999	38,877	3,600	9.26%	2.14%	0.44%	0.75%	0.58%	7.42%
MY-2000	87,768	6,849	7.80%	1.26%	0.30%	0.62%	0.52%	6.58%
MY-2001	36,786	2,739	7.45%	0.90%	0.21%	0.63%	0.46%	6.48%
MY-2002	100,050	5,725	5.72%	0.51%	0.14%	0.50%	0.38%	5.09%
MY-2003	24,831	853	3.44%	0.34%	0.07%	0.28%	0.23%	2.91%
MY-2004	11,799	437	3.70%	0.35%	0.07%	0.28%	0.28%	3.16%
MY-2005	6,004	197	3.28%	0.27%	0.12%	0.30%	0.23%	2.75%
MY-2006	4,483	132	2.94%	0.40%	0.09%	0.25%	0.29%	2.36%
MY-2007	3,841	73	1.90%	0.08%	0.00%	0.13%	0.13%	1.61%
MY-2008	3,315	46	1.39%	0.18%	0.06%	0.12%	0.06%	1.06%
MY-2009	412	7	1.70%	0.00%	0.00%	0.00%	0.00%	1.70%
All Model Years	652,333	83,437	12.79%	6.33%	1.94%	4.22%	1.49%	4.63%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	670
Certificate of Non Compliance	2
Parts Cost	106
Hardship Extensions	244
Exempt Vehicle	23
Exempted by Directive	133
Parts Exemption	7
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,185

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,142
Stations Locked-Out at Least Once	105
Stations Conducted at Least One Test	7,153

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,837	5,562
EA	Gas Endorsement	10	0
EB	Both Endorsement	52	0
EB	Gas Endorsement	510	0
GU	Both Endorsement	20	0

10. 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	356,086	49.17	42,883	49.92	398,969	49.25
Test and Repair	121,094	46.87	64,150	46.76	185,244	46.83
Test and Repair Dealer	7	66.00	3,268	51.76	3,275	51.79
Referee	456	30.00	145	30.00	601	30.00
Gold Shield in Enhanced Area	37,117	49.15	9,779	46.49	46,896	48.59
Gold Shield in Basic Area	0	0.00	4,788	36.42	4,788	36.42
Gold Shield in COO Area	27	61.85	3,446	51.77	3,473	51.85

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	6,173	22.03	19,725	206.07
	\$51-150	5,064	101.03		
	\$151-250	3,070	199.55		
	\$251-450	3,226	337.05		
	Over \$450	2,192	783.35		
CAP Repairs	\$0-50	136	24.20	4,321	383.14
	\$51-150	265	105.88		
	\$151-250	515	204.82		
	\$251-450	1,533	355.53		
	Over \$450	1,872	520.13		
Total Repairs	\$0-50	5,047	22.28	20,817	274.78
	\$51-150	3,959	101.42		
	\$151-250	3,169	200.90		
	\$251-450	4,311	344.11		
	Over \$450	4,331	712.56		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,009	383.14

13. 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	12	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Basic	Referee	0	2	1	1	0	1	2	2

	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	43	5	1	0	2	4	0	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	41	5	0	1	2	3	2	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	2	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	24	4	2	0	3	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	26,253	5,845	786	289	2,094	2,944	1,925	691
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	85	1	0	49	27	16	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	267	308	64	120	82	152	102	161
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	83,803	8,414	851	433	4,472	3,174	2,093	800
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	1	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	289,597	48,879	7,943	2,573	15,544	27,237	16,602	5,690
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,336	591	88	29	212	297	200	80
Acceleration Simulation Mode (ASM)	Partial	Referee	5	20	4	12	2	12	10	16
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	13,267	2,453	350	106	737	1,273	921	252
Acceleration Simulation Mode (ASM)	Partial	Test Only	7,782	1,395	195	84	444	723	477	162
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,225	226	31	19	97	99	71	30
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	57	4	1	14	40	5	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	45	28	3	9	5	12	13	13
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	8,664	934	120	56	410	460	240	113
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	9,329	1,266	196	77	497	668	369	151
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	3,451	782	144	74	251	297	332	118

	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	342	52	13	3	15	29	14	5
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,665	684	93	53	213	229	314	134
Two Speed Idle (TSI)	Basic	Government Fleet	0	20	3	0	6	5	9	1
Two Speed Idle (TSI)	Basic	Referee	28	48	10	20	11	19	14	24
Two Speed Idle (TSI)	Basic	Test and Repair	34,275	4,439	707	240	1,459	1,523	1,903	533
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	2,361	126	16	11	48	41	49	17
Two Speed Idle (TSI)	Basic	Test Only	5,526	778	152	55	289	307	270	97
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	40	12	2	2	3	3	8	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,364	289	79	15	78	141	111	35
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	147	42	17	4	9	26	20	12
Two Speed Idle (TSI)	Change of Ownership	Referee	2	6	1	5	3	1	1	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,166	152	25	10	56	51	72	21
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	21	2	1	0	1	1	0	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	644	95	26	8	29	42	37	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	207	17	2	0	14	3	2	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	347	25	2	0	14	7	6	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	3,705	477	74	17	243	140	142	42
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	22	2	0	8	6	8	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	30	3	1	0	1	2	2	0
Two Speed Idle (TSI)	Enhanced	Referee	63	36	8	12	18	12	9	18
Two Speed Idle (TSI)	Enhanced	Test and Repair	15,585	1,031	107	45	633	220	260	91
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	237	18	0	1	13	1	3	1
Two Speed Idle (TSI)	Enhanced	Test Only	30,344	2,723	356	127	1,606	730	591	261
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	46	2	1	0	0	1	1	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	253	35	9	2	13	14	11	3
Two Speed Idle (TSI)	Partial	Test and Repair	1,566	172	34	11	81	56	48	26
Two Speed Idle (TSI)	Partial	Test Only	786	71	15	2	40	22	20	4
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	142	34	4	5	12	8	13	10
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	765	94	27	7	33	48	38	18

	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	Gold Shield in Enhanced Area	503	69	9	5	39	20	18	6
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	12	1	0	6	3	6	0
Two Speed Idle (TSI)	Unknown Program	Referee	26	13	6	1	3	7	5	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	3,856	359	54	26	178	110	96	42
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	306	10	1	0	7	2	3	0
Two Speed Idle (TSI)	Unknown Program	Test Only	2,405	158	22	8	91	42	38	19