

Executive Summary Report

SMOG CHECK Statewide

May 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	892,429	106,298	11.91%
Total	1,021,707	137,052	13.41%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	775,742	86.92%	116,687	13.08%
Total	869,877	85.14%	151,830	14.86%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	476,156	86.50%	74,287	13.50%
Total	538,142	85.41%	91,898	14.59%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	13,573	1.52%
All Emissions	56,648	6.35%
All Visual	12,732	1.43%
All Functional	65,979	7.39%
OBDII	40,319	4.52%
Overall	106,298	11.91%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	320,561	291,043
Directed Vehicles	229,882	185,113
Total	550,443	476,156

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	57,303	50,015
Directed Vehicles	20,017	14,855
Total	77,320	64,870

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,675	272	534	26	0	4,507
Test Only	2,404	45	22	1	0	2,472
Basic Area Dealer	0	1	106	0	0	107
Gold Shield	489	28	49	79	0	645
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,885	356	758	109	0	8,108

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	718,749	87,443	12.17%	10,848	1.51%
Partially Enhanced	44,601	6,111	13.70%	789	1.77%
Basic	79,525	7,835	9.85%	1,196	1.50%
Change of Ownership	5,266	764	14.51%	163	3.10%
No Program	4	1	25.00%	0	0.00%
Unknown Program	44,284	4,144	9.36%	577	1.30%
Total Program Area	892,429	106,298	11.91%	13,573	1.52%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	550,443	73,031	13.27%	9,662	1.76%
Regular	255,747	20,555	8.04%	2,266	0.89%
Basic Area Dealer	4,850	192	3.96%	15	0.31%
Gold Shield in Enhanced Area	61,441	9,711	15.81%	1,181	1.92%
Gold Shield in Basic Area	11,111	1,577	14.19%	269	2.42%
Gold Shield in COO Area	4,768	670	14.05%	123	2.58%
Business Fleet	5	0	0.00%	0	0.00%
Permanent Fleet Registered	17	3	17.65%	0	0.00%
Referee	508	269	52.95%	32	6.30%
Government Fleet	3,539	290	8.19%	25	0.71%
Total	892,429	106,298	11.91%	13,573	1.52%

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-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	1	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,148	308	26.83%	19.43%	9.15%	14.29%	7.06%	0.00%
MY-1977	1,652	463	28.03%	19.55%	7.99%	16.28%	7.93%	0.00%
MY-1978	1,835	502	27.36%	18.15%	7.19%	15.80%	7.74%	0.00%
MY-1979	1,837	562	30.59%	21.83%	8.55%	17.37%	8.49%	0.00%
MY-1980	1,186	311	26.22%	18.80%	8.68%	15.51%	7.50%	0.00%
MY-1981	1,317	421	31.97%	26.04%	9.95%	15.26%	8.96%	0.00%
MY-1982	1,657	445	26.86%	22.93%	8.81%	13.10%	7.24%	0.00%
MY-1983	2,301	725	31.51%	25.03%	9.56%	17.17%	7.78%	0.00%
MY-1984	3,938	1,255	31.87%	26.84%	10.31%	15.41%	7.36%	0.00%
MY-1985	5,283	1,637	30.99%	25.53%	9.20%	15.45%	6.40%	0.00%
MY-1986	7,177	2,142	29.85%	23.95%	8.86%	14.88%	5.75%	0.00%
MY-1987	8,460	2,558	30.24%	24.89%	8.27%	14.18%	5.14%	0.00%
MY-1988	10,630	2,967	27.91%	22.24%	6.77%	13.10%	4.70%	0.00%
MY-1989	14,023	3,750	26.74%	20.92%	6.10%	13.16%	4.29%	0.00%
MY-1990	17,515	4,413	25.20%	20.07%	5.43%	11.49%	3.51%	0.00%
MY-1991	20,789	5,037	24.23%	19.39%	5.14%	11.12%	2.98%	0.00%
MY-1992	21,600	4,994	23.12%	18.48%	4.77%	9.97%	2.76%	0.00%
MY-1993	26,052	6,534	25.08%	20.53%	4.37%	10.21%	2.86%	0.00%
MY-1994	34,027	7,407	21.77%	16.91%	2.99%	8.78%	2.68%	0.00%
MY-1995	32,409	6,747	20.82%	16.26%	2.76%	8.41%	2.48%	0.00%
MY-1996	46,685	7,525	16.12%	7.40%	1.17%	10.74%	1.53%	9.87%
MY-1997	40,300	6,571	16.31%	6.55%	1.05%	11.74%	1.48%	10.91%
MY-1998	63,686	7,227	11.35%	3.83%	0.65%	8.36%	1.13%	7.93%
MY-1999	50,174	5,606	11.17%	3.11%	0.59%	8.88%	1.01%	8.56%
MY-2000	103,145	8,472	8.21%	1.62%	0.32%	6.91%	0.69%	6.69%
MY-2001	42,210	3,961	9.38%	1.56%	0.36%	8.24%	0.75%	8.09%
MY-2002	113,719	6,261	5.51%	0.70%	0.15%	4.84%	0.48%	4.71%
MY-2003	31,974	1,915	5.99%	1.19%	0.24%	5.21%	0.58%	5.08%
MY-2004	130,561	4,179	3.20%	0.35%	0.07%	2.79%	0.32%	2.71%
MY-2005	16,542	540	3.26%	0.87%	0.10%	2.78%	0.29%	2.64%
MY-2006	17,724	438	2.47%	0.61%	0.09%	2.06%	0.25%	2.00%
MY-2007	8,180	161	1.97%	0.51%	0.00%	1.77%	0.18%	1.70%
MY-2008	6,239	137	2.20%	0.63%	0.03%	2.00%	0.11%	1.91%
MY-2009	4,979	93	1.87%	0.30%	0.04%	1.75%	0.04%	1.63%
MY-2010	1,460	33	2.26%	0.96%	0.00%	1.58%	0.62%	1.37%
MY-2011	12	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	892,429	106,298	11.91%	6.35%	1.52%	7.39%	1.43%	4.52%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	348
Certificate of Non Compliance	0
Parts Cost	242
Hardship Extensions	1
Exempt Vehicle	51
Exempted by Directive	33
Parts Exemption	11
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	24
	710

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,015
Stations Locked-Out at Least Once	341
Stations Conducted at Least One Test	7,093

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,930	5,995
EA	Gas Endorsement	10	0
EB	Both Endorsement	47	0
EB	Gas Endorsement	478	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	474,367	48.37	65,330	49.32	539,697	48.49
Test and Repair	163,770	46.82	83,101	46.75	246,871	46.80
Test and Repair Dealer	26	67.65	4,358	54.92	4,384	55.00
Referee	138	30.00	65	30.00	203	30.00
Gold Shield in Enhanced Area	51,684	48.30	8,187	49.15	59,871	48.41
Gold Shield in Basic Area	498	63.93	10,262	38.11	10,760	39.30
Gold Shield in COO Area	559	56.09	4,000	53.83	4,559	54.10

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	5,736	22.79	20,202	228.76
	\$51-150	5,031	100.56		
	\$151-250	3,216	199.55		
	\$251-450	3,556	337.87		
	Over \$450	2,663	804.20		
CAP Repairs	\$1-50	75	24.04	4,887	418.93
	\$51-150	187	103.82		
	\$151-250	410	206.60		
	\$251-450	1,585	359.14		
	Over \$450	2,630	521.73		
Total Repairs	\$1-50	4,527	23.01	21,209	314.43
	\$51-150	3,714	100.27		
	\$151-250	2,994	200.97		
	\$251-450	4,431	345.73		
	Over \$450	5,543	732.18		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,587	418.93

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	Referee	0	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	28	7	0	0	2	5	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)	Change of Ownership	Gold Shield in COO Area	1	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	6	1	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	339	74	5	4	20	41	37	13
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	425	76	7	2	24	44	45	6
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	38,247	7,778	917	387	2,953	4,156	4,825	960
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	76	1	0	41	27	50	0
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	2	3	0	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	106	101	26	29	24	64	52	45
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	118,609	9,601	826	532	5,307	3,659	6,886	1,111
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	385,566	63,710	8,373	3,294	21,039	38,059	37,194	7,242
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	0	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	58	26	4	0	10	13	18	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	39	4	0	0	1	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,136	698	87	32	247	385	424	84
Acceleration Simulation Mode (ASM)	Partial	Referee	6	7	2	4	1	4	3	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,817	2,966	367	166	952	1,702	1,726	350
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	14	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,472	1,969	268	127	604	1,168	1,095	243
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,466	268	39	20	106	145	166	38
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	188	21	1	41	136	55	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
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	16	3	0	1	1	1	3	1
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,843	1,043	113	75	535	440	736	140
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,479	1,693	269	132	682	944	1,087	256
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,949	1,321	238	114	478	463	889	266
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	131	16	3	2	9	4	11	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,232	197	38	7	78	63	154	22
Two Speed Idle (TSI)	Basic	Referee	20	14	2	4	3	3	9	8
Two Speed Idle (TSI)	Basic	Test and Repair	45,967	4,799	732	255	1,874	1,622	3,462	635
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,194	146	14	10	59	43	97	22
Two Speed Idle (TSI)	Basic	Test Only	8,976	1,171	168	72	480	395	797	185
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	60	19	5	2	8	9	11	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,828	368	77	30	106	175	213	52
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	124	37	10	3	9	19	24	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,304	171	29	9	61	67	127	23
Two Speed Idle (TSI)	Change of Ownership	Test Only	927	151	40	10	48	63	98	20
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	373	28	2	1	14	6	22	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	449	48	8	6	21	18	35	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,309	563	76	27	296	145	436	66
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	14	2	0	6	4	11	0
Two Speed Idle (TSI)	Enhanced	Referee	33	10	1	3	4	2	5	3
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,211	1,125	116	69	708	243	891	123
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	378	13	1	0	10	1	12	0
Two Speed Idle (TSI)	Enhanced	Test Only	46,382	3,701	487	147	2,282	983	2,816	310
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	32	7	2	0	3	3	5	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	306	52	11	3	26	19	38	8
Two Speed Idle (TSI)	Partial	Test and Repair	2,154	178	25	12	82	55	131	23
Two Speed Idle (TSI)	Partial	Test Only	1,294	104	23	5	52	33	71	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	319	76	13	12	36	23	56	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
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	946	139	27	16	61	56	97	20
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	362	40	3	0	23	12	32	2
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	5	1	0	1	4	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	7	4	0	2	2	1	2	2
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,698	378	57	26	199	110	289	53
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	457	15	0	2	10	1	12	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,094	228	34	15	131	72	164	30
UnKnown TestType	Basic	Gold Shield in Basic Area	267	24	0	5	14	24	14	11
UnKnown TestType	Basic	Gold Shield in COO Area	17	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	66	6	0	1	5	6	5	2
UnKnown TestType	Basic	Referee	7	10	0	4	0	10	0	5
UnKnown TestType	Basic	Test and Repair	1,746	88	0	11	63	90	63	30
UnKnown TestType	Basic	Test and Repair Dealer	311	10	0	2	6	12	6	4
UnKnown TestType	Basic	Test Only	288	19	0	5	13	19	13	8
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	77	5	0	0	5	5	5	0
UnKnown TestType	Change of Ownership	Referee	1	2	0	1	0	2	0	1
UnKnown TestType	Change of Ownership	Test and Repair	49	2	0	1	1	2	1	1
UnKnown TestType	Enhanced	Gold Shield in Basic Area	27	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in COO Area	29	3	0	0	2	3	2	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	878	56	0	3	48	60	48	9
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	10	0	0
UnKnown TestType	Enhanced	Referee	16	76	0	37	5	76	7	42
UnKnown TestType	Enhanced	Test and Repair	3,164	140	0	22	107	172	107	39
UnKnown TestType	Enhanced	Test and Repair Dealer	39	2	0	0	1	2	1	1
UnKnown TestType	Enhanced	Test Only	4,901	244	0	37	180	251	180	74
UnKnown TestType	Partial	Gold Shield in Enhanced Area	151	13	0	4	8	13	8	5
UnKnown TestType	Partial	Referee	1	12	0	5	1	12	1	5
UnKnown TestType	Partial	Test and Repair	906	51	0	14	29	56	29	24
UnKnown TestType	Partial	Test Only	392	20	0	1	17	21	17	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
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	22	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	67	3	0	1	1	3	1	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	74	3	0	0	3	5	3	0
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	1	6	1	0
UnKnown TestType	Unknown Program	Referee	22	26	0	20	0	26	0	21
UnKnown TestType	Unknown Program	Test and Repair	433	11	0	3	8	22	8	4
UnKnown TestType	Unknown Program	Test and Repair Dealer	31	2	0	1	1	2	1	1
UnKnown TestType	Unknown Program	Test Only	328	14	0	6	9	16	9	6