

Executive Summary Report

SMOG CHECK Statewide

August 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	977,686	120,558	12.33%
Total	1,125,781	156,726	13.92%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	848,355	86.77%	129,331	13.23%
Total	955,453	84.87%	170,328	15.13%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	524,291	86.15%	84,267	13.85%
Total	594,657	85.02%	104,813	14.98%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,784	1.51%
All Emissions	62,909	6.43%
All Visual	13,579	1.39%
All Functional	74,641	7.63%
OBDII	47,957	4.91%
Overall	120,558	12.33%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	351,642	316,974
Directed Vehicles	256,916	207,317
Total	608,558	524,291

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	60,060	52,245
Directed Vehicles	21,705	16,187
Total	81,765	68,432

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,658	275	535	27	0	4,495
Test Only	2,431	44	22	1	0	2,498
Basic Area Dealer	0	1	106	0	0	107
Gold Shield	475	26	49	77	0	627
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	6,881	356	759	108	0	8,104

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	785,331	98,963	12.60%	11,870	1.51%
Partially Enhanced	48,941	6,991	14.28%	844	1.72%
Basic	90,451	9,085	10.04%	1,296	1.43%
Change of Ownership	5,811	875	15.06%	210	3.61%
No Program	6	1	16.67%	0	0.00%
Unknown Program	47,146	4,643	9.85%	564	1.20%
Total Program Area	977,686	120,558	12.33%	14,784	1.51%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	608,558	83,045	13.65%	10,573	1.74%
Regular	279,066	23,936	8.58%	2,465	0.88%
Basic Area Dealer	5,588	227	4.06%	16	0.29%
Gold Shield in Enhanced Area	64,207	10,350	16.12%	1,247	1.94%
Gold Shield in Basic Area	12,261	1,790	14.60%	255	2.08%
Gold Shield in COO Area	5,297	704	13.29%	166	3.13%
Business Fleet	7	0	0.00%	0	0.00%
Permanent Fleet Registered	107	15	14.02%	1	0.93%
Referee	466	268	57.51%	45	9.66%
Government Fleet	2,129	223	10.47%	16	0.75%
Total	977,686	120,558	12.33%	14,784	1.51%

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	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,133	302	26.65%	19.33%	8.56%	14.83%	8.56%	0.00%
MY-1977	1,680	470	27.98%	20.18%	7.74%	15.89%	7.86%	0.00%
MY-1978	1,861	527	28.32%	19.88%	8.97%	15.58%	7.63%	0.00%
MY-1979	1,975	565	28.61%	21.11%	7.39%	16.30%	7.04%	0.00%
MY-1980	1,186	324	27.32%	19.14%	9.44%	15.01%	8.94%	0.00%
MY-1981	1,444	446	30.89%	24.52%	9.21%	14.82%	8.10%	0.00%
MY-1982	1,477	466	31.55%	26.13%	10.49%	14.42%	7.92%	0.00%
MY-1983	2,280	698	30.61%	24.08%	9.47%	15.66%	7.89%	0.00%
MY-1984	4,014	1,334	33.23%	27.43%	11.11%	15.37%	7.13%	0.00%
MY-1985	5,531	1,724	31.17%	25.84%	9.80%	14.72%	5.79%	0.00%
MY-1986	8,164	2,411	29.53%	23.63%	8.37%	13.73%	5.38%	0.00%
MY-1987	8,881	2,743	30.89%	25.19%	8.20%	13.98%	5.07%	0.00%
MY-1988	11,400	3,282	28.79%	23.24%	7.18%	13.09%	5.05%	0.00%
MY-1989	15,440	4,001	25.91%	20.51%	5.95%	12.07%	3.80%	0.00%
MY-1990	18,420	4,781	25.96%	20.87%	5.85%	11.72%	3.38%	0.00%
MY-1991	22,180	5,319	23.98%	19.23%	4.91%	10.52%	2.89%	0.00%
MY-1992	22,589	5,506	24.37%	19.75%	5.19%	10.12%	2.85%	0.00%
MY-1993	27,433	7,268	26.49%	21.68%	4.40%	10.30%	2.99%	0.00%
MY-1994	36,037	8,062	22.37%	17.71%	3.09%	8.54%	2.56%	0.00%
MY-1995	36,038	7,730	21.45%	16.67%	2.85%	8.36%	2.41%	0.00%
MY-1996	47,256	7,549	15.97%	7.37%	1.15%	10.42%	1.56%	9.67%
MY-1997	43,441	6,971	16.05%	6.79%	1.14%	11.22%	1.37%	10.53%
MY-1998	71,262	8,176	11.47%	4.16%	0.67%	8.21%	1.06%	7.74%
MY-1999	50,528	5,627	11.14%	3.43%	0.59%	8.72%	1.01%	8.31%
MY-2000	117,007	9,300	7.95%	1.79%	0.36%	6.43%	0.70%	6.21%
MY-2001	44,729	5,455	12.20%	1.79%	0.34%	10.93%	0.83%	10.76%
MY-2002	135,373	9,263	6.84%	0.79%	0.16%	6.13%	0.51%	6.04%
MY-2003	34,688	2,461	7.09%	1.31%	0.18%	6.26%	0.63%	6.16%
MY-2004	144,356	5,969	4.13%	0.45%	0.07%	3.66%	0.34%	3.59%
MY-2005	17,366	797	4.59%	1.19%	0.06%	4.07%	0.38%	3.96%
MY-2006	19,660	575	2.92%	0.72%	0.05%	2.40%	0.37%	2.33%
MY-2007	9,186	209	2.28%	0.35%	0.01%	2.02%	0.13%	2.01%
MY-2008	6,594	136	2.06%	0.55%	0.02%	1.79%	0.14%	1.73%
MY-2009	4,646	67	1.44%	0.24%	0.00%	1.21%	0.09%	1.14%
MY-2010	2,279	41	1.80%	0.44%	0.09%	1.49%	0.31%	1.36%
MY-2011	149	3	2.01%	0.00%	0.00%	2.01%	0.00%	2.01%
All Model Years	977,686	120,558	12.33%	6.43%	1.51%	7.63%	1.39%	4.91%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	365
Certificate of Non Compliance	0
Parts Cost	302
Hardship Extensions	3
Exempt Vehicle	33
Exempted by Directive	13
Parts Exemption	13
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	24
	753

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	999
Stations Locked-Out at Least Once	503
Stations Conducted at Least One Test	7,105

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,056	6,062
EA	Gas Endorsement	10	0
EB	Both Endorsement	46	0
EB	Gas Endorsement	483	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	524,721	48.01	71,160	48.53	595,881	48.07
Test and Repair	177,453	46.60	91,555	46.69	269,008	46.63
Test and Repair Dealer	50	71.12	5,037	52.48	5,087	52.66
Referee	176	30.00	75	30.00	251	30.00
Gold Shield in Enhanced Area	54,304	48.16	8,279	49.30	62,583	48.31
Gold Shield in Basic Area	492	62.49	11,382	40.07	11,874	41.00
Gold Shield in COO Area	694	59.22	4,385	53.87	5,079	54.60

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	5,776	23.18	21,287	235.10
	\$51-150	5,411	100.76		
	\$151-250	3,221	200.32		
	\$251-450	4,000	338.49		
	Over \$450	2,879	807.99		
CAP Repairs	\$1-50	92	24.24	5,871	423.55
	\$51-150	238	107.61		
	\$151-250	449	205.20		
	\$251-450	1,873	360.24		
	Over \$450	3,219	525.61		
Total Repairs	\$1-50	4,388	23.74	22,596	331.53
	\$51-150	3,837	100.44		
	\$151-250	2,942	201.96		
	\$251-450	5,066	345.67		
	Over \$450	6,363	731.78		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	5,466	423.55

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 Basic Area	7	6	1	0	2	4	2	0
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	9	1	0	0	0	1	0	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	Referee	0	1	1	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	49	7	0	1	3	3	7	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	31	7	2	0	5	3	6	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	4	2	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	324	75	9	1	15	46	35	10
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	461	97	17	7	37	55	61	16
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	39,970	8,360	1,001	381	3,169	4,446	5,125	1,061
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	93	2	0	50	38	59	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	83	165	25	59	33	90	91	79
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	127,584	11,136	851	556	6,556	3,967	8,120	1,053
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	424,810	72,467	9,266	3,563	24,868	42,588	41,812	7,730
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	57	17	1	0	7	8	11	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	91	13	2	2	7	5	8	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,136	762	97	26	299	420	449	75
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	6	1	0	2	3	3	0
Acceleration Simulation Mode (ASM)	Partial	Referee	6	12	6	3	0	10	7	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	20,149	3,461	400	155	1,194	1,967	1,979	358
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	32	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	12,065	2,221	276	143	732	1,272	1,273	262
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	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)	Unknown Program	Gold Shield in COO Area	25	3	0	2	1	3	1	2
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,639	294	41	14	118	164	173	31
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	93	10	0	37	53	41	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	11	11	2	6	2	5	8	8
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,329	1,192	129	82	616	512	837	147
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,212	1,982	239	140	856	1,049	1,211	258
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,632	1,485	215	123	515	471	981	329
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	229	28	7	0	13	11	21	4
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,222	194	22	7	79	58	145	23
Two Speed Idle (TSI)	Basic	Government Fleet	0	3	0	0	1	1	2	0
Two Speed Idle (TSI)	Basic	Referee	17	31	8	13	3	15	16	22
Two Speed Idle (TSI)	Basic	Test and Repair	52,198	5,523	809	303	2,381	1,752	4,008	675
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,752	178	15	9	96	43	131	20
Two Speed Idle (TSI)	Basic	Test Only	10,369	1,400	216	73	577	491	935	202
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	52	22	5	2	6	12	15	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,942	365	100	29	93	192	224	63
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	131	35	11	6	14	17	29	10
Two Speed Idle (TSI)	Change of Ownership	Referee	0	2	1	1	1	1	1	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,540	258	56	17	95	103	190	42
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	35	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	947	174	36	11	65	74	118	16
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	514	73	12	10	32	20	56	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	517	54	7	2	30	15	45	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,420	530	64	20	340	118	425	54
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	15	3	0	6	5	10	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	35	7	1	0	3	4	3	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
Two Speed Idle (TSI)	Enhanced	Referee	19	10	1	5	5	3	8	6
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,599	1,245	124	64	856	236	1,014	116
Two Speed Idle (TSI)	Enhanced	Test Only	49,707	3,987	487	162	2,607	950	3,143	350
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	44	13	1	1	8	5	11	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	45	4	1	0	1	3	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	304	38	7	3	21	10	29	5
Two Speed Idle (TSI)	Partial	Government Fleet	0	2	0	0	0	1	1	0
Two Speed Idle (TSI)	Partial	Test and Repair	2,274	220	33	9	114	63	160	28
Two Speed Idle (TSI)	Partial	Test Only	1,307	110	19	6	49	40	72	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	411	66	11	14	30	21	42	20
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,038	127	32	9	36	69	79	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	385	48	4	3	33	8	41	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	10	0	0	6	3	7	0
Two Speed Idle (TSI)	Unknown Program	Referee	17	3	1	2	0	1	2	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,127	459	63	42	259	133	353	79
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	521	15	1	2	9	3	11	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,628	272	31	24	170	70	195	35
UnKnown TestType	Basic	Gold Shield in Basic Area	302	22	0	3	13	22	13	11
UnKnown TestType	Basic	Gold Shield in COO Area	17	2	0	0	1	2	1	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	74	7	0	0	4	7	4	3
UnKnown TestType	Basic	Government Fleet	0	1	0	0	1	4	1	0
UnKnown TestType	Basic	Referee	5	1	0	0	1	1	1	0
UnKnown TestType	Basic	Test and Repair	2,235	142	0	23	106	154	106	43
UnKnown TestType	Basic	Test and Repair Dealer	391	17	0	6	10	18	10	8
UnKnown TestType	Basic	Test Only	344	29	0	3	24	31	24	5
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	3	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	73	8	0	1	7	9	7	1
UnKnown TestType	Change of Ownership	Test and Repair	72	5	0	1	4	5	4	1
UnKnown TestType	Change of Ownership	Test Only	29	1	0	0	1	1	1	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
UnKnown TestType	Enhanced	Gold Shield in Basic Area	26	6	0	1	5	6	5	2
UnKnown TestType	Enhanced	Gold Shield in COO Area	55	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	933	66	0	11	52	77	52	18
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	13	0	0
UnKnown TestType	Enhanced	Referee	14	17	0	9	3	17	4	10
UnKnown TestType	Enhanced	Test and Repair	3,425	195	0	37	150	231	150	59
UnKnown TestType	Enhanced	Test and Repair Dealer	37	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Test Only	5,918	342	0	47	268	355	268	93
UnKnown TestType	Partial	Gold Shield in Basic Area	9	1	0	1	0	1	0	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	165	11	0	2	7	11	7	4
UnKnown TestType	Partial	Referee	2	2	0	1	1	2	2	1
UnKnown TestType	Partial	Test and Repair	1,093	60	0	10	43	68	43	20
UnKnown TestType	Partial	Test Only	466	36	0	7	26	36	26	12
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	16	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	51	2	0	1	1	3	1	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	90	4	0	1	3	8	3	1
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	10	0	0
UnKnown TestType	Unknown Program	Referee	16	13	0	8	1	13	1	8
UnKnown TestType	Unknown Program	Test and Repair	392	31	0	8	21	44	21	11
UnKnown TestType	Unknown Program	Test and Repair Dealer	40	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Test Only	451	15	0	2	12	16	12	3