

Executive Summary Report

SMOG CHECK Statewide

April 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	885,661	109,117	12.32%
Total	1,018,104	140,528	13.80%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	764,995	86.38%	120,666	13.62%
Total	861,635	84.63%	156,469	15.37%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	465,407	86.00%	75,759	14.00%
Total	528,519	84.91%	93,933	15.09%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,261	1.61%
All Emissions	57,473	6.49%
All Visual	13,145	1.48%
All Functional	68,844	7.77%
OBDII	41,763	4.72%
Overall	109,117	12.32%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	314,019	282,944
Directed Vehicles	227,147	182,463
Total	541,166	465,407

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	57,251	49,669
Directed Vehicles	20,205	14,736
Total	77,456	64,405

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,692	268	531	25	0	4,516
Test Only	2,391	48	22	1	0	2,462
Basic Area Dealer	0	1	105	0	0	106
Gold Shield	494	29	51	80	0	654
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	5	0	0	36
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,894	356	757	109	0	8,116

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	708,003	89,394	12.63%	11,457	1.62%
Partially Enhanced	45,090	6,294	13.96%	773	1.71%
Basic	80,118	8,201	10.24%	1,241	1.55%
Change of Ownership	5,712	804	14.08%	194	3.40%
No Program	8	1	12.50%	0	0.00%
Unknown Program	46,730	4,423	9.47%	596	1.28%
Total Program Area	885,661	109,117	12.32%	14,261	1.61%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	541,166	74,322	13.73%	10,157	1.88%
Regular	257,130	21,493	8.36%	2,342	0.91%
Basic Area Dealer	5,272	202	3.83%	18	0.34%
Gold Shield in Enhanced Area	61,380	10,261	16.72%	1,303	2.12%
Gold Shield in Basic Area	10,862	1,495	13.76%	238	2.19%
Gold Shield in COO Area	5,214	696	13.35%	146	2.80%
Business Fleet	12	0	0.00%	0	0.00%
Permanent Fleet Registered	20	0	0.00%	0	0.00%
Referee	569	334	58.70%	33	5.80%
Government Fleet	4,036	314	7.78%	24	0.59%
Total	885,661	109,117	12.32%	14,261	1.61%

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-1933	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
MY-1976	1,250	318	25.44%	17.44%	8.40%	15.52%	7.12%	0.00%
MY-1977	1,619	453	27.98%	18.28%	7.97%	17.54%	7.60%	0.00%
MY-1978	1,834	499	27.21%	18.16%	7.20%	15.65%	8.34%	0.00%
MY-1979	1,837	565	30.76%	22.16%	8.93%	18.35%	8.98%	0.00%
MY-1980	1,156	300	25.95%	18.60%	9.34%	14.36%	8.39%	0.00%
MY-1981	1,378	432	31.35%	26.05%	10.89%	14.88%	7.26%	0.00%
MY-1982	1,596	473	29.64%	23.68%	9.27%	16.29%	7.58%	0.00%
MY-1983	2,239	637	28.45%	21.93%	8.40%	15.41%	8.13%	0.00%
MY-1984	3,974	1,243	31.28%	25.92%	11.05%	15.90%	7.80%	0.00%
MY-1985	5,254	1,586	30.19%	24.76%	9.63%	15.25%	6.30%	0.00%
MY-1986	7,534	2,258	29.97%	23.21%	8.72%	15.41%	6.00%	0.00%
MY-1987	8,790	2,613	29.73%	23.64%	7.97%	14.29%	5.52%	0.00%
MY-1988	11,033	3,098	28.08%	22.45%	7.03%	13.28%	4.52%	0.00%
MY-1989	14,642	3,860	26.36%	20.06%	6.00%	13.40%	4.14%	0.00%
MY-1990	18,027	4,696	26.05%	20.64%	5.94%	12.45%	3.82%	0.00%
MY-1991	21,097	5,257	24.92%	19.77%	5.31%	11.68%	3.16%	0.00%
MY-1992	21,525	5,051	23.47%	18.30%	4.90%	10.53%	3.00%	0.00%
MY-1993	26,049	6,682	25.65%	20.81%	4.31%	10.60%	3.12%	0.00%
MY-1994	33,820	7,233	21.39%	16.35%	3.18%	9.03%	2.67%	0.00%
MY-1995	33,950	7,129	21.00%	15.98%	3.00%	9.05%	2.53%	0.00%
MY-1996	45,400	7,519	16.56%	7.35%	1.18%	11.31%	1.50%	10.40%
MY-1997	41,149	7,027	17.08%	6.85%	1.24%	12.45%	1.46%	11.63%
MY-1998	62,279	7,327	11.76%	4.00%	0.67%	8.73%	1.11%	8.27%
MY-1999	50,607	5,964	11.78%	3.33%	0.65%	9.35%	1.09%	8.98%
MY-2000	100,181	8,504	8.49%	1.71%	0.36%	7.13%	0.69%	6.91%
MY-2001	43,692	4,219	9.66%	1.58%	0.37%	8.46%	0.76%	8.27%
MY-2002	108,881	6,252	5.74%	0.76%	0.18%	5.01%	0.53%	4.88%
MY-2003	34,132	2,182	6.39%	1.25%	0.23%	5.55%	0.60%	5.45%
MY-2004	122,870	4,243	3.45%	0.49%	0.08%	3.05%	0.30%	2.97%
MY-2005	17,031	579	3.40%	1.04%	0.06%	2.90%	0.33%	2.80%
MY-2006	18,934	483	2.55%	0.60%	0.06%	2.09%	0.32%	2.02%
MY-2007	8,418	190	2.26%	0.52%	0.04%	1.90%	0.29%	1.79%
MY-2008	7,042	129	1.83%	0.48%	0.03%	1.68%	0.13%	1.62%
MY-2009	5,117	80	1.56%	0.55%	0.02%	1.45%	0.04%	1.33%
MY-2010	1,309	34	2.60%	1.07%	0.00%	1.68%	0.76%	1.53%
MY-2011	12	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	885,661	109,117	12.32%	6.49%	1.61%	7.77%	1.48%	4.72%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	384
Certificate of Non Compliance	1
Parts Cost	263
Hardship Extensions	1
Exempt Vehicle	40
Exempted by Directive	48
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	27
	773

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,052
Stations Locked-Out at Least Once	351
Stations Conducted at Least One Test	7,064

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,897	6,140
EA	Gas Endorsement	10	0
EB	Both Endorsement	48	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	467,663	48.33	64,389	49.21	532,052	48.44
Test and Repair	165,549	47.36	83,991	46.39	249,540	47.03
Test and Repair Dealer	34	65.65	4,747	52.20	4,781	52.30
Referee	166	30.00	75	30.00	241	30.00
Gold Shield in Enhanced Area	52,024	48.34	8,156	49.72	60,180	48.52
Gold Shield in Basic Area	500	62.68	10,067	38.39	10,567	39.54
Gold Shield in COO Area	533	55.69	4,451	52.54	4,984	52.88

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	5,907	22.89	21,157	225.82
	\$51-150	5,394	100.40		
	\$151-250	3,211	200.02		
	\$251-450	3,920	336.23		
	Over \$450	2,725	785.51		
CAP Repairs	\$1-50	85	23.28	5,082	415.15
	\$51-150	212	107.40		
	\$151-250	453	203.38		
	\$251-450	1,646	358.40		
	Over \$450	2,686	522.33		
Total Repairs	\$1-50	4,629	23.16	22,229	309.84
	\$51-150	4,027	100.17		
	\$151-250	3,083	201.60		
	\$251-450	4,810	344.42		
	Over \$450	5,680	721.57		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,796	415.15

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	1	1	2	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	48	8	2	0	1	6	5	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	54	10	0	1	5	6	9	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	0	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	4	3	0	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	10	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	347	64	13	3	17	44	30	10
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	400	70	8	2	30	35	45	8
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	37,693	8,125	997	424	2,976	4,333	5,030	1,067
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	78	0	1	44	23	55	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	115	108	19	43	21	57	55	55
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	117,873	10,077	870	534	5,673	3,787	7,408	1,085
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	13	2	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	376,325	64,632	8,791	3,445	21,515	38,072	38,405	7,540
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	65	19	1	1	9	8	12	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	42	9	1	0	5	5	7	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,242	762	91	33	312	374	504	76
Acceleration Simulation Mode (ASM)	Partial	Referee	6	9	1	4	3	4	5	5
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,975	3,005	349	149	1,026	1,663	1,825	291
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,709	2,037	272	107	677	1,173	1,178	209
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,569	321	54	39	124	161	213	63
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	213	23	1	42	156	64	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	12	8	3	4	2	5	5	7
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,941	1,082	126	83	523	473	726	137
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,777	1,832	264	141	739	1,033	1,162	274
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,740	1,275	203	93	503	393	898	247
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	156	21	2	0	11	5	16	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,223	248	43	13	103	97	173	33
Two Speed Idle (TSI)	Basic	Government Fleet	0	4	0	0	3	1	3	0
Two Speed Idle (TSI)	Basic	Referee	16	25	5	12	7	9	18	20
Two Speed Idle (TSI)	Basic	Test and Repair	46,072	4,981	745	293	1,986	1,596	3,667	625
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,544	156	16	7	62	52	101	21
Two Speed Idle (TSI)	Basic	Test Only	9,211	1,271	224	77	484	477	842	206
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	71	15	5	1	7	7	11	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,006	401	108	30	116	204	252	54
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	129	23	6	3	5	11	15	5
Two Speed Idle (TSI)	Change of Ownership	Referee	2	2	1	1	2	1	2	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,485	182	31	19	63	71	129	31
Two Speed Idle (TSI)	Change of Ownership	Test Only	936	158	43	8	41	83	91	25
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	401	34	4	2	13	15	24	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	537	48	4	4	22	15	34	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,094	602	92	25	326	192	446	59
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	13	1	0	5	3	9	1
Two Speed Idle (TSI)	Enhanced	Referee	34	14	3	7	3	4	4	10
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,174	1,200	142	59	756	281	953	129
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	401	14	1	0	10	3	12	0
Two Speed Idle (TSI)	Enhanced	Test Only	44,990	3,702	511	185	2,187	1,007	2,800	357
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	45	6	3	0	2	3	4	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	43	8	2	0	5	3	5	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	351	56	11	5	23	17	39	10

	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	Referee	1	1	1	0	1	1	1	1
Two Speed Idle (TSI)	Partial	Test and Repair	2,155	178	23	2	94	60	136	8
Two Speed Idle (TSI)	Partial	Test Only	1,222	94	18	5	52	30	67	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	349	61	9	7	21	20	42	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,037	119	21	15	44	50	79	23
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	352	37	8	0	18	15	25	3
Two Speed Idle (TSI)	Unknown Program	Referee	3	5	0	3	2	1	5	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,920	418	54	29	218	120	318	54
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	500	15	0	2	9	2	11	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,185	235	34	22	143	63	185	31
UnKnown TestType	Basic	Gold Shield in Basic Area	223	19	0	2	14	19	14	5
UnKnown TestType	Basic	Gold Shield in Enhanced Area	72	4	0	0	4	4	4	0
UnKnown TestType	Basic	Referee	2	24	0	13	1	24	1	13
UnKnown TestType	Basic	Test and Repair	1,497	120	0	11	96	126	96	29
UnKnown TestType	Basic	Test and Repair Dealer	324	11	0	3	7	12	7	4
UnKnown TestType	Basic	Test Only	217	22	0	2	18	22	18	5
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	85	13	0	5	6	13	6	7
UnKnown TestType	Change of Ownership	Referee	0	3	0	0	0	3	0	0
UnKnown TestType	Change of Ownership	Test and Repair	34	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Test Only	19	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	21	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	43	1	0	1	0	2	0	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	752	67	0	15	51	81	51	19
UnKnown TestType	Enhanced	Government Fleet	0	2	0	0	2	14	2	0
UnKnown TestType	Enhanced	Referee	21	97	0	54	0	97	5	60
UnKnown TestType	Enhanced	Test and Repair	2,580	159	0	29	125	191	125	43
UnKnown TestType	Enhanced	Test and Repair Dealer	34	2	0	1	0	2	0	2
UnKnown TestType	Enhanced	Test Only	4,107	282	0	35	235	307	235	53
UnKnown TestType	Partial	Gold Shield in COO Area	4	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	Partial	Gold Shield in Enhanced Area	125	6	0	0	6	6	6	0
UnKnown TestType	Partial	Referee	2	14	0	6	1	14	2	6
UnKnown TestType	Partial	Test and Repair	754	62	0	13	43	62	43	21
UnKnown TestType	Partial	Test and Repair Dealer	24	1	0	1	0	1	0	1
UnKnown TestType	Partial	Test Only	307	24	0	7	16	24	16	9
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	18	1	0	1	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	71	5	0	3	2	6	2	3
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	54	7	0	0	7	8	7	1
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	16	0	0
UnKnown TestType	Unknown Program	Referee	22	24	0	16	0	24	0	18
UnKnown TestType	Unknown Program	Test and Repair	435	17	0	5	13	27	13	6
UnKnown TestType	Unknown Program	Test and Repair Dealer	25	0	0	0	0	4	0	0
UnKnown TestType	Unknown Program	Test Only	335	20	0	1	16	23	16	4