

Executive Summary Report

SMOG CHECK Statewide

March 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,005,340	118,176	11.75%
Total	1,149,316	150,254	13.07%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	874,328	86.97%	131,012	13.03%
Total	981,452	85.39%	167,864	14.61%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	538,023	86.85%	81,473	13.15%
Total	607,902	85.92%	99,628	14.08%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	16,528	1.64%
All Emissions	57,384	5.71%
All Visual	15,068	1.50%
All Functional	78,227	7.78%
OBDII	47,826	4.76%
Overall	118,176	11.75%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	353,144	319,038
Directed Vehicles	266,352	218,985
Total	619,496	538,023

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	64,582	56,076
Directed Vehicles	23,174	17,474
Total	87,756	73,550

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,718	268	523	28	0	4,537
Test Only	2,363	48	24	1	0	2,436
Basic Area Dealer	0	1	107	0	0	108
Gold Shield	492	29	52	79	0	652
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	246	9	37	2	0	294
Unknown Type	1	0	0	0	0	1
Total	6,889	356	754	111	0	8,110

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	808,391	96,282	11.91%	13,314	1.65%
Partially Enhanced	51,256	6,936	13.53%	954	1.86%
Basic	89,930	9,333	10.38%	1,399	1.56%
Change of Ownership	6,411	928	14.48%	199	3.10%
No Program	11	1	9.09%	0	0.00%
Unknown Program	49,341	4,696	9.52%	662	1.34%
Total Program Area	1,005,340	118,176	11.75%	16,528	1.64%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	619,496	79,937	12.90%	11,809	1.91%
Regular	287,308	23,760	8.27%	2,753	0.96%
Basic Area Dealer	5,510	222	4.03%	26	0.47%
Gold Shield in Enhanced Area	69,670	11,064	15.88%	1,461	2.10%
Gold Shield in Basic Area	12,545	1,787	14.24%	271	2.16%
Gold Shield in COO Area	5,541	762	13.75%	148	2.67%
Business Fleet	9	0	0.00%	0	0.00%
Permanent Fleet Registered	14	0	0.00%	0	0.00%
Referee	582	298	51.20%	31	5.33%
Government Fleet	4,665	346	7.42%	29	0.62%
Total	1,005,340	118,176	11.75%	16,528	1.64%

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-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,314	340	25.88%	16.74%	7.31%	15.53%	8.52%	0.00%
MY-1977	1,748	452	25.86%	16.19%	7.04%	16.13%	8.24%	0.00%
MY-1978	2,052	566	27.58%	16.62%	6.92%	17.30%	8.67%	0.00%
MY-1979	2,126	587	27.61%	17.69%	9.27%	17.22%	8.23%	0.00%
MY-1980	1,357	355	26.16%	17.54%	8.40%	15.11%	7.15%	0.00%
MY-1981	1,562	459	29.39%	21.83%	9.86%	14.72%	7.75%	0.00%
MY-1982	1,846	496	26.87%	19.01%	8.61%	14.19%	7.80%	0.00%
MY-1983	2,402	736	30.64%	22.90%	10.62%	17.11%	8.24%	0.00%
MY-1984	4,508	1,288	28.57%	21.87%	10.51%	16.22%	7.45%	0.00%
MY-1985	6,221	1,691	27.18%	20.98%	9.79%	14.68%	6.56%	0.00%
MY-1986	8,353	2,257	27.02%	20.29%	8.69%	14.57%	6.11%	0.00%
MY-1987	10,039	2,815	28.04%	20.96%	8.25%	15.02%	5.80%	0.00%
MY-1988	12,253	3,102	25.32%	18.76%	7.78%	13.49%	4.95%	0.00%
MY-1989	16,613	3,864	23.26%	16.84%	6.32%	13.06%	4.54%	0.00%
MY-1990	20,897	4,711	22.54%	16.65%	5.87%	11.81%	3.41%	0.00%
MY-1991	24,050	5,294	22.01%	16.15%	5.51%	11.50%	3.01%	0.00%
MY-1992	25,087	5,166	20.59%	14.89%	4.89%	10.32%	3.08%	0.00%
MY-1993	30,182	6,891	22.83%	17.72%	4.55%	10.34%	2.92%	0.00%
MY-1994	38,786	7,401	19.08%	13.72%	3.16%	9.13%	2.59%	0.00%
MY-1995	38,995	7,096	18.20%	13.11%	3.07%	8.28%	2.42%	0.00%
MY-1996	52,984	8,867	16.74%	7.24%	1.15%	11.51%	1.71%	10.66%
MY-1997	47,465	8,160	17.19%	6.81%	1.20%	12.56%	1.50%	11.72%
MY-1998	71,254	8,367	11.74%	4.06%	0.68%	8.75%	1.04%	8.29%
MY-1999	57,607	6,800	11.80%	3.13%	0.61%	9.53%	1.06%	9.14%
MY-2000	115,181	9,794	8.50%	1.71%	0.40%	7.08%	0.75%	6.85%
MY-2001	50,890	5,078	9.98%	1.66%	0.35%	8.68%	0.86%	8.49%
MY-2002	123,182	6,912	5.61%	0.68%	0.16%	4.91%	0.50%	4.77%
MY-2003	39,924	2,548	6.38%	1.01%	0.23%	5.65%	0.49%	5.50%
MY-2004	139,009	4,630	3.33%	0.35%	0.08%	2.94%	0.31%	2.84%
MY-2005	17,106	543	3.17%	0.78%	0.08%	2.74%	0.32%	2.62%
MY-2006	19,718	499	2.53%	0.44%	0.05%	2.12%	0.26%	2.06%
MY-2007	8,167	191	2.34%	0.40%	0.01%	2.08%	0.22%	2.02%
MY-2008	6,622	121	1.83%	0.41%	0.00%	1.68%	0.09%	1.62%
MY-2009	4,763	77	1.62%	0.23%	0.02%	1.49%	0.08%	1.43%
MY-2010	1,072	22	2.05%	1.03%	0.00%	1.21%	0.84%	0.93%
MY-2011	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	1,005,340	118,176	11.75%	5.71%	1.64%	7.78%	1.50%	4.76%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	435
Certificate of Non Compliance	0
Parts Cost	256
Hardship Extensions	0
Exempt Vehicle	51
Exempted by Directive	53
Parts Exemption	11
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	17
	823

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,048
Stations Locked-Out at Least Once	389
Stations Conducted at Least One Test	7,062

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,899	5,849
EA	Gas Endorsement	10	0
EB	Both Endorsement	49	0
EB	Gas Endorsement	479	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	539,156	48.34	72,348	48.99	611,504	48.41
Test and Repair	186,741	46.82	95,209	46.59	281,950	46.74
Test and Repair Dealer	46	60.91	5,157	53.20	5,203	53.27
Referee	205	30.00	57	30.00	262	30.00
Gold Shield in Enhanced Area	59,491	48.28	9,494	49.76	68,985	48.48
Gold Shield in Basic Area	521	61.67	11,841	40.27	12,362	41.17
Gold Shield in COO Area	638	54.65	4,715	53.75	5,353	53.86

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	6,994	22.84	23,486	220.25
	\$51-150	5,847	99.86		
	\$151-250	3,604	199.80		
	\$251-450	4,095	336.91		
	Over \$450	2,946	790.68		
CAP Repairs	\$1-50	92	22.97	5,464	417.65
	\$51-150	218	108.58		
	\$151-250	475	206.77		
	\$251-450	1,757	359.58		
	Over \$450	2,922	522.34		
Total Repairs	\$1-50	5,533	23.16	24,590	303.16
	\$51-150	4,435	99.23		
	\$151-250	3,432	201.35		
	\$251-450	5,120	344.25		
	Over \$450	6,070	730.30		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	5,191	417.65

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	6	2	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	39	5	0	0	2	3	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	28	4	0	0	1	2	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	6	3	0	1	1	2	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	363	60	6	4	21	21	32	14
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	472	84	7	5	26	38	55	19
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	43,340	8,735	1,134	490	3,529	4,238	5,730	1,202
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	78	1	0	48	21	59	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	143	114	17	52	26	56	55	64
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	134,571	11,216	1,055	648	6,310	4,003	8,296	1,300
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	440,698	69,339	10,278	3,896	25,399	37,523	44,114	8,545
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	69	27	9	0	10	18	14	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	55	10	2	0	3	3	5	3
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	4,080	914	124	41	344	462	603	111
Acceleration Simulation Mode (ASM)	Partial	Referee	6	11	0	5	3	4	7	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	20,552	3,215	430	176	1,182	1,623	2,054	425
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,729	2,302	323	141	781	1,288	1,407	272
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	12	2	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,694	324	46	21	128	174	199	55
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	230	22	0	42	177	63	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	19	9	4	4	1	4	3	7
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	13,319	1,155	149	79	553	519	783	163

	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	Test Only	13,790	1,914	295	158	798	1,032	1,264	278
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	9,107	1,528	230	141	563	477	1,044	312
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	186	25	7	1	3	18	10	5
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,488	258	37	17	104	67	195	40
Two Speed Idle (TSI)	Basic	Government Fleet	0	5	1	0	3	1	4	0
Two Speed Idle (TSI)	Basic	Referee	15	19	6	4	6	9	14	8
Two Speed Idle (TSI)	Basic	Test and Repair	52,682	5,772	839	369	2,245	1,910	4,235	757
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,861	180	23	8	80	50	136	18
Two Speed Idle (TSI)	Basic	Test Only	10,289	1,433	255	90	556	522	982	215
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	84	14	2	1	7	3	12	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,103	431	99	38	104	186	285	76
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	140	47	10	5	23	17	38	7
Two Speed Idle (TSI)	Change of Ownership	Referee	2	1	0	0	0	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,735	230	44	18	90	89	163	35
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,135	193	44	17	59	84	128	33
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	438	60	12	5	33	18	45	9
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	567	75	14	7	33	24	52	10
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	6,027	652	97	39	352	182	501	74
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	19	2	0	12	4	17	0
Two Speed Idle (TSI)	Enhanced	Referee	33	16	2	6	8	5	10	9
Two Speed Idle (TSI)	Enhanced	Test and Repair	23,858	1,313	135	69	811	296	1,049	140
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	436	10	0	0	8	2	8	0
Two Speed Idle (TSI)	Enhanced	Test Only	50,989	4,170	554	206	2,467	1,139	3,127	412
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	57	9	1	0	6	2	7	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	51	4	1	1	2	2	4	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	439	57	8	3	33	18	46	7
Two Speed Idle (TSI)	Partial	Test and Repair	2,422	212	34	14	99	65	158	35
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	55	3	1	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Test Only	1,412	128	21	7	63	47	89	13

	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 Basic Area	416	70	11	12	34	20	52	19
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,089	119	18	9	51	41	91	19
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	385	27	4	3	11	7	22	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	14	3	0	6	4	10	0
Two Speed Idle (TSI)	Unknown Program	Referee	5	3	2	0	0	2	0	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,170	456	67	32	246	112	373	65
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	499	17	2	0	10	6	12	0
Two Speed Idle (TSI)	Unknown Program	Test Only	3,372	282	39	23	160	76	222	49
UnKnown TestType	Basic	Gold Shield in Basic Area	106	13	0	3	8	13	8	6
UnKnown TestType	Basic	Gold Shield in COO Area	7	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	51	5	0	0	2	5	2	4
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	7	0	0
UnKnown TestType	Basic	Referee	3	15	0	9	0	15	0	9
UnKnown TestType	Basic	Test and Repair	652	50	0	8	38	53	38	13
UnKnown TestType	Basic	Test and Repair Dealer	180	7	0	3	5	7	5	3
UnKnown TestType	Basic	Test Only	131	11	0	4	6	11	6	6
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	77	3	0	2	1	4	1	2
UnKnown TestType	Change of Ownership	Referee	0	2	0	1	0	2	0	1
UnKnown TestType	Change of Ownership	Test Only	19	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	14	3	0	1	1	3	1	2
UnKnown TestType	Enhanced	Gold Shield in COO Area	27	2	0	1	2	2	2	1
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	365	32	0	6	26	36	26	11
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	18	0	0
UnKnown TestType	Enhanced	Referee	14	84	0	46	0	84	2	56
UnKnown TestType	Enhanced	Test and Repair	1,501	91	0	10	72	115	72	21
UnKnown TestType	Enhanced	Test Only	2,001	128	0	21	102	141	102	30
UnKnown TestType	Partial	Gold Shield in Enhanced Area	57	7	0	1	5	7	5	2
UnKnown TestType	Partial	Referee	1	2	0	1	0	2	1	1
UnKnown TestType	Partial	Test and Repair	392	22	0	2	17	32	17	6

	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	Test Only	149	12	0	4	10	12	10	6
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	33	3	0	0	0	4	0	3
UnKnown TestType	Unknown Program	Gold Shield in COO Area	59	6	0	3	2	6	2	4
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	61	4	0	0	3	5	3	1
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	10	0	0
UnKnown TestType	Unknown Program	Referee	37	22	0	13	0	22	0	13
UnKnown TestType	Unknown Program	Test and Repair	344	20	0	3	12	25	12	9
UnKnown TestType	Unknown Program	Test and Repair Dealer	19	2	0	1	0	3	0	2
UnKnown TestType	Unknown Program	Test Only	268	17	0	4	10	17	10	7