

Executive Summary Report

SMOG CHECK Statewide

Fourth Quarter 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,404,920	293,949	12.22%
Total	2,766,617	378,403	13.68%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,076,375	86.34%	328,545	13.66%
Total	2,341,040	84.62%	425,577	15.38%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,305,258	86.13%	210,255	13.87%
Total	1,482,791	85.08%	260,126	14.92%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	34,548	1.44%
All Emissions	147,818	6.15%
All Visual	34,002	1.41%
All Functional	186,750	7.77%
OBDII	123,497	5.14%
Overall	293,949	12.22%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	829,414	743,996
Directed Vehicles	686,099	561,262
Total	1,515,513	1,305,258

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	144,126	122,917
Directed Vehicles	57,047	43,268
Total	201,173	166,185

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,649	273	537	27	0	4,486
Test Only	2,449	44	24	1	0	2,518
Basic Area Dealer	0	1	103	0	0	104
Gold Shield	480	27	48	78	0	633
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	6,895	355	759	109	0	8,118

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,920,854	240,887	12.54%	27,669	1.44%
Partially Enhanced	122,792	17,293	14.08%	2,028	1.65%
Basic	222,665	22,250	9.99%	3,030	1.36%
Change of Ownership	15,104	2,086	13.81%	424	2.81%
No Program	14	4	28.57%	0	0.00%
Unknown Program	123,491	11,429	9.25%	1,397	1.13%
Total Program Area	2,404,920	293,949	12.22%	34,548	1.44%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,515,513	204,037	13.46%	25,069	1.65%
Regular	665,938	56,561	8.49%	5,563	0.84%
Basic Area Dealer	14,170	619	4.37%	44	0.31%
Gold Shield in Enhanced Area	156,703	25,493	16.27%	2,845	1.82%
Gold Shield in Basic Area	30,846	4,252	13.78%	586	1.90%
Gold Shield in COO Area	13,624	1,784	13.09%	298	2.19%
Business Fleet	21	2	9.52%	0	0.00%
Permanent Fleet Registered	166	15	9.04%	1	0.60%
Referee	1,163	564	48.50%	90	7.74%
Government Fleet	6,773	621	9.17%	52	0.77%
Unknown Privilege	3	1	33.33%	0	0.00%
Total	2,404,920	293,949	12.22%	34,548	1.44%

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	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	1	1	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%
MY-1970	2	1	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1976	2,522	692	27.44%	19.19%	8.25%	15.50%	7.85%	0.00%
MY-1977	3,838	1,058	27.57%	18.68%	7.24%	15.74%	7.30%	0.00%
MY-1978	4,237	1,177	27.78%	18.50%	7.55%	15.15%	7.81%	0.00%
MY-1979	5,098	1,495	29.33%	21.13%	8.34%	16.38%	8.65%	0.00%
MY-1980	2,896	811	28.00%	19.92%	9.05%	16.33%	7.98%	0.00%
MY-1981	3,316	1,001	30.19%	24.34%	9.89%	14.05%	6.63%	0.00%
MY-1982	4,108	1,212	29.50%	23.42%	8.47%	14.63%	7.33%	0.00%
MY-1983	4,721	1,416	29.99%	24.21%	9.72%	13.62%	6.86%	0.00%
MY-1984	9,218	2,929	31.77%	26.38%	10.74%	14.74%	7.42%	0.00%
MY-1985	12,441	3,916	31.48%	25.93%	9.89%	15.06%	6.60%	0.00%
MY-1986	17,936	5,120	28.55%	22.45%	8.21%	13.97%	5.64%	0.00%
MY-1987	22,578	6,655	29.48%	23.71%	7.57%	13.42%	5.21%	0.00%
MY-1988	25,363	7,237	28.53%	23.05%	7.25%	13.29%	4.64%	0.00%
MY-1989	36,076	9,489	26.30%	20.64%	5.79%	12.45%	4.22%	0.00%
MY-1990	43,389	11,144	25.68%	20.45%	5.63%	11.59%	3.48%	0.00%
MY-1991	54,533	13,438	24.64%	19.41%	4.89%	11.04%	3.04%	0.00%
MY-1992	52,666	12,717	24.15%	19.25%	4.79%	9.82%	3.01%	0.00%
MY-1993	65,645	16,987	25.88%	21.31%	4.38%	9.94%	3.01%	0.00%
MY-1994	81,184	18,057	22.24%	17.21%	3.23%	8.91%	2.67%	0.00%
MY-1995	92,666	19,491	21.03%	16.28%	2.84%	8.19%	2.54%	0.00%
MY-1996	103,848	17,562	16.91%	7.52%	1.12%	11.28%	1.69%	10.46%
MY-1997	108,780	17,301	15.90%	6.49%	1.08%	11.18%	1.51%	10.46%
MY-1998	159,548	19,103	11.97%	4.28%	0.72%	8.73%	1.11%	8.24%
MY-1999	135,686	14,275	10.52%	3.10%	0.55%	8.24%	1.05%	7.92%
MY-2000	248,600	22,304	8.97%	1.93%	0.40%	7.44%	0.82%	7.21%
MY-2001	153,080	16,039	10.48%	1.57%	0.29%	9.46%	0.73%	9.32%
MY-2002	287,876	22,547	7.83%	0.94%	0.19%	7.06%	0.62%	6.95%
MY-2003	137,920	8,288	6.01%	1.00%	0.15%	5.35%	0.52%	5.26%
MY-2004	304,658	14,403	4.73%	0.49%	0.10%	4.23%	0.40%	4.15%
MY-2005	97,137	3,280	3.38%	0.64%	0.04%	2.97%	0.32%	2.91%
MY-2006	49,314	1,482	3.01%	0.80%	0.07%	2.61%	0.31%	2.54%
MY-2007	31,638	677	2.14%	0.63%	0.03%	1.89%	0.19%	1.84%
MY-2008	19,337	317	1.64%	1.39%	0.03%	1.48%	0.10%	1.45%
MY-2009	10,967	171	1.56%	0.80%	0.03%	1.47%	0.04%	1.42%
MY-2010	10,563	140	1.33%	0.31%	0.01%	1.12%	0.16%	1.06%
MY-2011	1,532	15	0.98%	0.52%	0.00%	0.85%	0.07%	0.85%
All Model Years	2,404,920	293,949	12.22%	6.15%	1.44%	7.77%	1.41%	5.14%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,126
Certificate of Non Compliance	4
Parts Cost	567
Hardship Extensions	0
Exempt Vehicle	68
Exempted by Directive	18
Parts Exemption	52
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	3
	1,838

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	848
Stations Locked-Out at Least Once	750
Stations Conducted at Least One Test	7,270

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,571	5,930
EA	Gas Endorsement	10	0
EB	Both Endorsement	53	0
EB	Gas Endorsement	487	0
EU	Both Endorsement	1	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	1,290,557	47.70	189,713	48.81	1,480,270	47.84
Test and Repair	415,421	46.97	225,301	46.79	640,722	46.91
Test and Repair Dealer	81	69.49	12,821	52.87	12,902	52.97
Referee	491	30.00	167	30.00	658	30.00
Gold Shield in Enhanced Area	131,288	47.90	21,460	50.08	152,748	48.21
Gold Shield in Basic Area	1,230	63.61	28,478	40.72	29,708	41.66
Gold Shield in COO Area	1,622	54.03	11,327	53.99	12,949	53.99

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	13,214	22.91	50,580	244.13
	\$51-150	12,480	100.70		
	\$151-250	7,812	200.48		
	\$251-450	9,630	338.65		
	Over \$450	7,444	800.86		
CAP Repairs	\$1-50	270	23.90	12,487	424.33
	\$51-150	486	104.03		
	\$151-250	949	205.92		
	\$251-450	3,713	361.46		
	Over \$450	7,069	524.00		
Total Repairs	\$1-50	10,307	23.34	53,360	330.71
	\$51-150	9,303	100.39		
	\$151-250	7,298	202.32		
	\$251-450	11,645	345.34		
	Over \$450	14,807	741.17		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	11,639	424.33

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	27	9	1	0	4	4	5	3
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	62	14	1	2	4	9	7	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
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	313	42	6	3	10	25	21	6
Acceleration Simulation Mode (ASM)	Basic	Test Only	395	90	13	1	39	47	54	11
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	3	2	1	0	2	2	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	40	4	0	1	1	1	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	44	18	3	2	6	11	10	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	787	189	25	7	63	101	94	34
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,145	211	15	11	90	106	133	26
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	94,806	20,333	2,177	1,074	8,500	10,207	12,861	2,638
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	243	10	4	114	102	146	5
Acceleration Simulation Mode (ASM)	Enhanced	Referee	272	367	63	132	88	192	212	200
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	287,998	25,514	1,941	1,359	15,203	8,768	19,013	2,649
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,043,841	176,615	21,660	8,765	64,738	99,268	104,703	19,258
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	160	52	4	2	26	22	32	5
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	170	27	1	0	14	9	17	3
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,576	1,817	227	77	704	964	1,122	177
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	4	0	0	1	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Referee	9	28	5	15	6	17	20	18
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	49,514	8,427	914	453	3,141	4,524	5,035	956
Acceleration Simulation Mode (ASM)	Partial	Test Only	30,412	5,696	744	342	1,978	3,150	3,329	757
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	53	9	1	1	4	2	7	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)	Unknown Program	Gold Shield in Enhanced Area	3,884	786	109	56	363	363	543	127
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	230	20	0	73	154	81	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	40	22	4	9	4	11	15	14
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	32,687	2,829	290	179	1,491	1,203	1,951	335
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	36,000	4,934	663	325	2,185	2,543	3,168	681
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	2	1	0	0	1	1	1	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	21,602	3,520	501	297	1,418	1,088	2,366	747
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	544	78	11	5	39	18	59	11
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,952	563	80	36	249	184	419	82
Two Speed Idle (TSI)	Basic	Government Fleet	0	36	9	0	19	15	24	2
Two Speed Idle (TSI)	Basic	Referee	37	56	8	29	8	16	31	43
Two Speed Idle (TSI)	Basic	Test and Repair	126,360	13,469	1,819	707	6,032	4,031	9,958	1,723
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,399	464	39	14	258	116	357	52
Two Speed Idle (TSI)	Basic	Test Only	25,319	3,367	542	197	1,462	1,136	2,376	511
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	192	44	13	5	13	22	30	13
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	4,953	943	200	65	306	439	609	134
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	323	65	16	5	19	28	46	12
Two Speed Idle (TSI)	Change of Ownership	Referee	5	7	0	6	1	2	4	6
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,290	527	101	37	225	189	385	73
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,447	440	89	34	141	186	295	86
Two Speed Idle (TSI)	Enhanced	Business-Fleet	1	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,213	140	13	23	75	27	108	25
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,317	132	16	8	71	40	99	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	13,785	1,506	202	66	950	364	1,185	156
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	72	13	1	34	23	51	3
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	86	4	1	0	1	3	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
Two Speed Idle (TSI)	Enhanced	Referee	47	32	4	11	14	8	20	16
Two Speed Idle (TSI)	Enhanced	Test and Repair	51,465	3,106	289	141	2,136	597	2,561	269
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,101	48	2	2	36	6	38	4
Two Speed Idle (TSI)	Enhanced	Test Only	135,514	10,848	1,238	448	7,246	2,498	8,574	935
Two Speed Idle (TSI)	No Program	Test and Repair	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	105	20	4	2	6	11	11	4
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	123	9	2	0	7	2	8	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	809	88	13	3	55	28	68	5
Two Speed Idle (TSI)	Partial	Test and Repair	6,008	544	69	18	315	145	415	54
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	156	5	0	0	3	2	3	0
Two Speed Idle (TSI)	Partial	Test Only	3,332	317	45	27	176	81	231	49
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,063	186	25	25	86	63	125	40
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,545	330	52	40	134	113	240	63
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,054	98	20	7	57	28	79	15
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	17	0	0	13	4	13	0
Two Speed Idle (TSI)	Unknown Program	Referee	32	12	4	7	0	6	9	11
Two Speed Idle (TSI)	Unknown Program	Test and Repair	13,657	1,104	134	80	634	286	854	158
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,202	52	3	3	41	9	44	4
Two Speed Idle (TSI)	Unknown Program	Test Only	9,767	671	72	40	437	158	533	72
UnKnown TestType	Basic	Gold Shield in Basic Area	871	74	0	12	53	102	53	26
UnKnown TestType	Basic	Gold Shield in COO Area	38	2	0	1	1	2	1	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	184	17	0	2	16	17	16	3
UnKnown TestType	Basic	Government Fleet	0	1	0	0	1	23	1	0
UnKnown TestType	Basic	Referee	11	5	0	3	2	5	2	5
UnKnown TestType	Basic	Test and Repair	5,476	339	0	27	289	457	289	69
UnKnown TestType	Basic	Test and Repair Dealer	984	37	0	7	26	47	26	11
UnKnown TestType	Basic	Test Only	885	65	0	11	53	70	53	15
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	9	2	0	0	1	2	1	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	215	17	0	5	9	17	9	9

	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	Change of Ownership	Gold Shield in Enhanced Area	17	2	0	0	2	2	2	0
UnKnown TestType	Change of Ownership	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Change of Ownership	Test and Repair	152	6	0	1	3	6	3	3
UnKnown TestType	Change of Ownership	Test Only	69	3	0	3	0	3	0	3
UnKnown TestType	Enhanced	Gold Shield in Basic Area	74	10	0	1	7	11	7	3
UnKnown TestType	Enhanced	Gold Shield in COO Area	129	11	0	2	6	33	6	5
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,499	162	0	18	125	267	125	42
UnKnown TestType	Enhanced	Government Fleet	0	12	0	0	11	240	11	2
UnKnown TestType	Enhanced	Referee	36	12	0	6	1	12	1	9
UnKnown TestType	Enhanced	Test and Repair	9,083	448	0	58	334	800	334	134
UnKnown TestType	Enhanced	Test and Repair Dealer	105	2	0	0	2	8	2	0
UnKnown TestType	Enhanced	Test Only	14,929	857	0	126	684	1,019	684	214
UnKnown TestType	Partial	Gold Shield in Basic Area	14	4	0	0	3	4	3	1
UnKnown TestType	Partial	Gold Shield in COO Area	26	3	0	1	2	3	2	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	438	29	0	6	20	38	20	10
UnKnown TestType	Partial	Government Fleet	0	1	0	0	1	14	1	0
UnKnown TestType	Partial	Referee	4	2	0	2	1	2	1	2
UnKnown TestType	Partial	Test and Repair	2,689	146	0	25	98	201	98	54
UnKnown TestType	Partial	Test and Repair Dealer	46	2	0	0	0	2	0	2
UnKnown TestType	Partial	Test Only	1,244	66	0	16	48	80	48	22
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	42	2	0	1	1	9	1	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	185	12	0	2	9	27	9	3
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	181	12	0	1	8	35	8	4
UnKnown TestType	Unknown Program	Government Fleet	0	5	0	0	5	146	5	0
UnKnown TestType	Unknown Program	Referee	39	13	0	12	0	13	1	13
UnKnown TestType	Unknown Program	Test and Repair	1,294	54	0	7	44	179	44	13
UnKnown TestType	Unknown Program	Test and Repair Dealer	56	1	0	0	1	6	1	0
UnKnown TestType	Unknown Program	Test Only	1,052	49	0	3	41	133	41	8