

Executive Summary Report

SMOG CHECK Statewide

February 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	854,275	100,050	11.71%
Total	974,152	126,610	13.00%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	743,142	86.99%	111,133	13.01%
Total	832,582	85.47%	141,570	14.53%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	461,554	86.97%	69,145	13.03%
Total	519,852	86.07%	84,142	13.93%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,233	1.67%
All Emissions	48,357	5.66%
All Visual	12,325	1.44%
All Functional	66,329	7.76%
OBDII	41,413	4.85%
Overall	100,050	11.71%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	295,333	266,567
Directed Vehicles	235,366	194,987
Total	530,699	461,554

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	54,003	46,834
Directed Vehicles	20,536	15,734
Total	74,539	62,568

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,734	266	522	30	0	4,552
Test Only	2,338	47	24	1	0	2,410
Basic Area Dealer	0	1	110	0	0	111
Gold Shield	490	32	50	79	0	651
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	6,878	356	754	113	0	8,101

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	687,714	81,706	11.88%	11,470	1.67%
Partially Enhanced	43,250	5,763	13.32%	824	1.91%
Basic	75,997	7,806	10.27%	1,218	1.60%
Change of Ownership	5,420	780	14.39%	185	3.41%
No Program	5	0	0.00%	0	0.00%
Unknown Program	41,889	3,995	9.54%	536	1.28%
Total Program Area	854,275	100,050	11.71%	14,233	1.67%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	530,699	67,771	12.77%	10,120	1.91%
Regular	240,134	20,036	8.34%	2,395	1.00%
Basic Area Dealer	4,396	189	4.30%	14	0.32%
Gold Shield in Enhanced Area	59,021	9,338	15.82%	1,264	2.14%
Gold Shield in Basic Area	10,940	1,530	13.99%	231	2.11%
Gold Shield in COO Area	4,578	593	12.95%	145	3.17%
Business Fleet	4	0	0.00%	0	0.00%
Permanent Fleet Registered	11	1	9.09%	0	0.00%
Referee	569	308	54.13%	36	6.33%
Government Fleet	3,922	283	7.22%	28	0.71%
Unknown Privilege	1	1	100.00%	0	0.00%
Total	854,275	100,050	11.71%	14,233	1.67%

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-1948	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1964	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,070	277	25.89%	17.01%	7.85%	15.61%	7.29%	0.00%
MY-1977	1,388	386	27.81%	18.44%	9.22%	16.93%	9.29%	0.00%
MY-1978	1,680	458	27.26%	17.62%	8.04%	16.55%	7.26%	0.00%
MY-1979	1,808	496	27.43%	18.97%	8.79%	16.54%	8.08%	0.00%
MY-1980	1,082	296	27.36%	19.59%	10.54%	16.73%	8.23%	0.00%
MY-1981	1,276	355	27.82%	21.79%	10.03%	14.66%	7.52%	0.00%
MY-1982	1,433	364	25.40%	20.03%	9.63%	14.86%	6.98%	0.00%
MY-1983	2,014	546	27.11%	20.56%	10.33%	15.24%	8.49%	0.00%
MY-1984	3,810	1,043	27.38%	21.68%	10.18%	14.59%	6.85%	0.00%
MY-1985	4,957	1,417	28.59%	21.79%	10.07%	15.72%	6.88%	0.00%
MY-1986	7,027	1,784	25.39%	18.78%	8.03%	13.95%	5.65%	0.00%
MY-1987	8,351	2,323	27.82%	21.76%	8.31%	14.36%	5.29%	0.00%
MY-1988	10,252	2,542	24.80%	18.54%	7.14%	13.01%	4.43%	0.00%
MY-1989	14,154	3,279	23.17%	17.20%	6.60%	12.32%	4.17%	0.00%
MY-1990	17,844	4,060	22.75%	16.92%	6.16%	11.86%	3.71%	0.00%
MY-1991	20,564	4,393	21.36%	15.81%	5.47%	10.97%	3.14%	0.00%
MY-1992	21,355	4,306	20.16%	14.78%	4.93%	9.88%	2.81%	0.00%
MY-1993	25,816	5,849	22.66%	17.52%	4.82%	10.14%	2.96%	0.00%
MY-1994	31,719	6,068	19.13%	13.88%	3.36%	8.73%	2.76%	0.00%
MY-1995	34,203	6,100	17.83%	12.95%	3.17%	8.20%	2.29%	0.00%
MY-1996	43,856	7,281	16.60%	7.28%	1.22%	11.49%	1.57%	10.70%
MY-1997	41,550	7,122	17.14%	6.83%	1.14%	12.44%	1.36%	11.62%
MY-1998	60,040	7,120	11.86%	4.05%	0.69%	8.92%	1.00%	8.49%
MY-1999	50,264	5,893	11.72%	3.13%	0.64%	9.47%	1.05%	9.12%
MY-2000	98,048	8,217	8.38%	1.63%	0.38%	7.04%	0.69%	6.81%
MY-2001	46,565	4,756	10.21%	1.56%	0.38%	9.11%	0.76%	8.90%
MY-2002	102,168	5,757	5.63%	0.67%	0.15%	4.95%	0.51%	4.82%
MY-2003	39,088	2,635	6.74%	0.86%	0.23%	6.01%	0.54%	5.88%
MY-2004	114,160	3,712	3.25%	0.32%	0.08%	2.87%	0.28%	2.77%
MY-2005	14,183	464	3.27%	0.47%	0.11%	2.83%	0.25%	2.74%
MY-2006	16,736	412	2.46%	0.29%	0.06%	2.16%	0.14%	2.06%
MY-2007	6,322	143	2.26%	0.25%	0.02%	2.09%	0.14%	2.01%
MY-2008	5,137	105	2.04%	0.31%	0.00%	1.67%	0.25%	1.62%
MY-2009	3,612	64	1.77%	0.30%	0.00%	1.52%	0.14%	1.52%
MY-2010	739	27	3.65%	2.57%	0.00%	1.08%	2.30%	0.81%
All Model Years	854,275	100,050	11.71%	5.66%	1.67%	7.76%	1.44%	4.85%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	368
Certificate of Non Compliance	1
Parts Cost	225
Hardship Extensions	0
Exempt Vehicle	80
Exempted by Directive	49
Parts Exemption	3
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	4
	730

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,079
Stations Locked-Out at Least Once	306
Stations Conducted at Least One Test	7,022

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,716	5,836
EA	Gas Endorsement	10	0
EB	Both Endorsement	48	0
EB	Gas Endorsement	480	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	462,413	48.40	61,738	48.99	524,151	48.47
Test and Repair	157,028	46.74	80,604	47.01	237,632	46.83
Test and Repair Dealer	28	68.79	4,246	51.63	4,274	51.74
Referee	191	30.00	65	30.00	256	30.00
Gold Shield in Enhanced Area	51,114	48.66	7,745	49.88	58,859	48.82
Gold Shield in Basic Area	504	61.46	10,384	40.42	10,888	41.40
Gold Shield in COO Area	543	56.03	3,971	51.72	4,514	52.24

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	5,804	22.72	19,894	221.66
	\$51-150	5,018	99.78		
	\$151-250	3,015	200.05		
	\$251-450	3,507	338.46		
	Over \$450	2,550	779.25		
CAP Repairs	\$1-50	81	25.27	4,647	415.62
	\$51-150	176	107.16		
	\$151-250	436	207.47		
	\$251-450	1,448	358.01		
	Over \$450	2,506	519.40		
Total Repairs	\$1-50	4,633	23.05	20,780	305.16
	\$51-150	3,736	99.67		
	\$151-250	2,846	202.13		
	\$251-450	4,324	344.36		
	Over \$450	5,241	724.62		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,402	415.62

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	7	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	33	8	1	0	1	7	3	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)	Basic	Test Only	30	5	1	1	0	4	2	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	350	61	9	1	17	29	32	7
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	422	65	12	4	29	31	40	7
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	37,352	7,373	983	421	3,030	3,595	4,881	1,036
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	63	0	0	37	20	44	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	119	131	25	53	28	74	68	68
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	112,103	9,594	910	535	5,489	3,395	7,117	1,079
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	380,049	58,945	8,867	3,160	22,018	31,889	37,614	7,053
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	64	28	9	1	5	19	14	4
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	45	4	0	0	1	2	3	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,519	822	106	38	335	412	545	85
Acceleration Simulation Mode (ASM)	Partial	Referee	5	11	0	5	2	5	8	5
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,755	2,695	370	161	989	1,419	1,679	309
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	17	3	0	1	2	1	3	1
Acceleration Simulation Mode (ASM)	Partial	Test Only	11,603	1,840	286	104	681	1,001	1,131	218
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,446	280	37	25	126	129	194	43
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	190	23	1	43	135	58	3
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	11	2	1	1	0	2	1	2
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,259	1,067	111	86	530	460	725	157
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,996	1,630	249	116	727	843	1,073	204

	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	Unknown Privilege	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,895	1,310	190	124	518	410	907	287
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	156	22	3	1	8	9	16	1
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,197	217	38	9	89	77	158	21
Two Speed Idle (TSI)	Basic	Government Fleet	0	7	1	0	6	1	6	0
Two Speed Idle (TSI)	Basic	Referee	10	11	4	3	2	6	8	7
Two Speed Idle (TSI)	Basic	Test and Repair	44,787	4,795	762	257	1,897	1,617	3,438	602
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,177	156	14	9	79	38	113	21
Two Speed Idle (TSI)	Basic	Test Only	9,133	1,243	204	69	485	463	824	181
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	77	20	7	1	6	12	15	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,819	358	99	38	91	183	218	66
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	108	25	6	1	7	9	20	5
Two Speed Idle (TSI)	Change of Ownership	Referee	2	3	0	2	1	1	1	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,514	214	44	19	81	87	152	38
Two Speed Idle (TSI)	Change of Ownership	Test Only	935	155	29	7	54	64	107	21
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	484	36	4	5	20	9	27	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	525	39	7	3	18	15	27	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,985	529	76	27	306	127	424	65
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	19	3	0	10	4	15	0
Two Speed Idle (TSI)	Enhanced	Referee	29	24	6	9	8	8	12	16
Two Speed Idle (TSI)	Enhanced	Test and Repair	19,776	1,117	136	64	713	247	887	117
Two Speed Idle (TSI)	Enhanced	Test Only	43,216	3,577	432	151	2,239	902	2,796	306
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	55	3	1	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	46	6	1	0	3	2	4	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	320	53	16	4	24	19	38	6
Two Speed Idle (TSI)	Partial	Test and Repair	2,050	167	14	10	89	39	125	23
Two Speed Idle (TSI)	Partial	Test Only	1,199	112	21	7	61	37	79	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	371	68	11	4	30	24	52	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	843	95	23	10	41	42	64	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 Enhanced Area	305	25	2	1	13	4	20	3
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	4	1	0	3	1	3	0
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,535	337	47	28	186	87	260	52
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	375	13	0	1	10	1	12	2
Two Speed Idle (TSI)	Unknown Program	Test Only	2,856	233	31	23	135	68	171	36
UnKnown TestType	Basic	Gold Shield in Basic Area	24	3	0	0	2	3	2	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	8	4	0	0	1	4	1	3
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	3	0	0
UnKnown TestType	Basic	Referee	0	16	0	10	0	16	0	10
UnKnown TestType	Basic	Test and Repair	113	5	0	1	4	6	4	1
UnKnown TestType	Basic	Test and Repair Dealer	34	2	0	0	1	2	1	1
UnKnown TestType	Basic	Test Only	29	1	0	0	0	1	0	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	20	2	0	0	1	2	1	1
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	0	0	0	0	0	1	0	0
UnKnown TestType	Change of Ownership	Referee	0	2	0	1	0	2	0	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	14	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	32	7	0	0	7	7	7	0
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	9	0	0
UnKnown TestType	Enhanced	Referee	13	65	0	23	1	65	3	32
UnKnown TestType	Enhanced	Test and Repair	425	24	0	1	19	33	19	5
UnKnown TestType	Enhanced	Test and Repair Dealer	14	1	0	0	1	3	1	0
UnKnown TestType	Enhanced	Test Only	346	22	0	3	20	35	20	3
UnKnown TestType	Partial	Gold Shield in Enhanced Area	9	1	0	0	1	1	1	0
UnKnown TestType	Partial	Referee	3	6	0	1	0	6	0	1
UnKnown TestType	Partial	Test and Repair	83	7	0	0	6	7	6	2
UnKnown TestType	Partial	Test and Repair Dealer	2	1	0	1	1	1	1	1
UnKnown TestType	Partial	Test Only	30	2	0	1	1	2	1	1
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	10	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	14	1	0	0	0	1	0	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
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Referee	49	34	0	21	0	34	0	24
UnKnown TestType	Unknown Program	Test and Repair	176	6	0	3	3	10	3	4
UnKnown TestType	Unknown Program	Test Only	114	6	0	1	4	9	4	2