

Executive Summary Report

SMOG CHECK Statewide

June 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	663,704	86,670	13.06%
Total	774,578	111,443	14.39%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	568,433	85.65%	95,271	14.35%
Total	651,519	84.11%	123,059	15.89%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	348,765	85.17%	60,739	14.83%
Total	406,285	83.97%	77,546	16.03%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	10,519	1.58%
All Emissions	42,991	6.48%
All Visual	10,621	1.60%
All Functional	55,448	8.35%
OBDII	37,297	5.62%
Overall	86,670	13.06%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	256,390	229,004
Directed Vehicles	153,114	119,761
Total	409,504	348,765

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	42,563	36,287
Directed Vehicles	12,099	8,559
Total	54,662	44,846

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,564	281	540	31	0	4,416
Test Only	2,523	47	27	1	0	2,598
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	479	28	45	76	0	628
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	6,883	367	763	111	0	8,124

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	511,689	69,428	13.57%	8,169	1.60%
Partially Enhanced	35,938	5,378	14.96%	667	1.86%
Basic	62,538	6,781	10.84%	978	1.56%
Change of Ownership	5,786	738	12.75%	163	2.82%
No Program	10	3	30.00%	0	0.00%
Unknown Program	47,743	4,342	9.09%	542	1.14%
Total Program Area	663,704	86,670	13.06%	10,519	1.58%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	409,504	59,489	14.53%	7,344	1.79%
Regular	191,619	17,124	8.94%	1,842	0.96%
Basic Area Dealer	4,184	163	3.90%	17	0.41%
Gold Shield in Enhanced Area	40,901	7,420	18.14%	921	2.25%
Gold Shield in Basic Area	8,374	1,239	14.80%	199	2.38%
Gold Shield in COO Area	5,387	698	12.96%	125	2.32%
Business Fleet	3	0	0.00%	0	0.00%
Permanent Fleet Registered	23	0	0.00%	0	0.00%
Referee	454	227	50.00%	40	8.81%
Government Fleet	3,247	309	9.52%	31	0.95%
Unknown Privilege	8	1	12.50%	0	0.00%
Total	663,704	86,670	13.06%	10,519	1.58%

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-1931	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1937	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	864	225	26.04%	20.49%	9.38%	11.23%	7.18%	0.00%
MY-1977	1,112	320	28.78%	20.86%	8.90%	17.27%	8.90%	0.00%
MY-1978	1,328	361	27.18%	17.62%	8.06%	14.53%	8.58%	0.00%
MY-1979	1,343	409	30.45%	21.59%	9.38%	14.97%	7.30%	0.00%
MY-1980	810	201	24.81%	17.90%	8.40%	14.07%	6.67%	0.00%
MY-1981	978	287	29.35%	23.42%	10.12%	15.24%	7.26%	0.00%
MY-1982	1,056	328	31.06%	25.66%	11.93%	14.49%	8.05%	0.00%
MY-1983	1,507	491	32.58%	26.01%	10.22%	16.85%	9.22%	0.00%
MY-1984	2,694	897	33.30%	26.69%	11.99%	15.85%	7.76%	0.00%
MY-1985	3,474	1,135	32.67%	27.00%	10.48%	15.14%	6.88%	0.00%
MY-1986	4,769	1,462	30.66%	24.03%	9.39%	15.08%	7.44%	0.00%
MY-1987	5,612	1,721	30.67%	24.43%	8.00%	14.50%	5.83%	0.00%
MY-1988	7,007	2,053	29.30%	23.35%	7.56%	13.79%	5.11%	0.00%
MY-1989	9,174	2,476	26.99%	21.39%	6.53%	12.72%	4.43%	0.00%
MY-1990	11,570	3,144	27.17%	21.37%	6.27%	12.74%	4.11%	0.00%
MY-1991	13,625	3,615	26.53%	21.16%	5.81%	11.88%	3.79%	0.00%
MY-1992	14,444	3,654	25.30%	19.94%	5.04%	10.73%	3.27%	0.00%
MY-1993	17,276	4,716	27.30%	22.37%	4.86%	10.66%	3.42%	0.00%
MY-1994	20,274	5,039	24.85%	19.55%	3.75%	10.13%	3.31%	0.00%
MY-1995	27,384	6,022	21.99%	16.84%	3.05%	8.58%	2.80%	0.00%
MY-1996	22,348	4,574	20.47%	10.04%	1.67%	13.17%	2.12%	12.13%
MY-1997	35,652	5,983	16.78%	7.12%	1.21%	11.59%	1.56%	10.73%
MY-1998	32,117	4,826	15.03%	5.79%	1.04%	10.81%	1.53%	10.20%
MY-1999	49,798	5,752	11.55%	3.47%	0.64%	8.97%	1.18%	8.56%
MY-2000	36,297	4,279	11.79%	2.99%	0.60%	9.54%	1.14%	9.31%
MY-2001	66,819	7,866	11.77%	1.67%	0.33%	10.62%	0.82%	10.49%
MY-2002	31,219	3,193	10.23%	1.62%	0.36%	8.91%	1.02%	8.82%
MY-2003	73,032	5,154	7.06%	0.86%	0.18%	6.25%	0.68%	6.19%
MY-2004	26,601	1,650	6.20%	0.88%	0.12%	5.38%	0.63%	5.32%
MY-2005	88,041	3,666	4.16%	0.43%	0.08%	3.67%	0.41%	3.60%
MY-2006	18,067	522	2.89%	0.66%	0.08%	2.44%	0.31%	2.39%
MY-2007	18,071	375	2.08%	0.34%	0.04%	1.75%	0.14%	1.69%
MY-2008	7,892	127	1.61%	0.65%	0.05%	1.46%	0.08%	1.41%
MY-2009	4,199	59	1.41%	0.33%	0.02%	1.29%	0.07%	1.24%
MY-2010	5,247	58	1.11%	0.15%	0.00%	1.01%	0.06%	0.97%
MY-2011	1,971	30	1.52%	0.20%	0.00%	1.37%	0.15%	1.37%
MY-2012	30	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	663,704	86,670	13.06%	6.48%	1.58%	8.35%	1.60%	5.62%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	371
Certificate of Non Compliance	0
Parts Cost	97
Hardship Extensions	0
Exempt Vehicle	49
Exempted by Directive	6
Parts Exemption	13
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	536

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,017
Stations Locked-Out at Least Once	410
Stations Conducted at Least One Test	7,107

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,974	5,753
EA	Gas Endorsement	9	0
EB	Both Endorsement	46	0
EB	Gas Endorsement	468	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	347,086	47.22	51,616	48.01	398,702	47.32
Test and Repair	119,352	47.95	65,011	46.80	184,363	47.54
Test and Repair Dealer	19	69.68	3,863	51.47	3,882	51.56
Referee	188	30.00	76	30.00	264	30.00
Gold Shield in Enhanced Area	34,159	46.48	5,700	48.17	39,859	46.72
Gold Shield in Basic Area	391	59.37	7,689	35.89	8,080	37.02
Gold Shield in COO Area	925	54.24	4,202	53.99	5,127	54.03

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	3,116	23.57	14,207	304.44
	\$51-150	2,891	100.57		
	\$151-250	2,186	202.00		
	\$251-450	2,923	340.38		
	Over \$450	3,091	816.73		
CAP Repairs	\$1-50	36	21.17	694	573.96
	\$51-150	73	95.52		
	\$151-250	46	206.07		
	\$251-450	84	347.06		
	Over \$450	455	773.54		
Total Repairs	\$1-50	3,065	23.70	14,637	322.71
	\$51-150	2,862	100.46		
	\$151-250	2,202	202.17		
	\$251-450	2,967	340.91		
	Over \$450	3,541	820.87		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	661	573.96

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	9	3	0	1	0	1	2	1
Acceleration Simulation Mode (ASM)	Basic	Referee	1	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	Test and Repair	40	8	1	0	3	6	6	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	68	12	0	3	5	4	9	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in COO Area	0	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	7	3	1	0	1	2	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	264	60	6	3	20	31	34	7
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	677	145	13	9	67	71	95	23
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	23,267	5,640	702	351	2,381	2,849	3,640	778
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	62	2	1	33	22	40	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	101	141	26	52	37	83	87	72
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	80,841	7,492	663	414	4,167	2,863	5,377	843
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	271,656	50,731	6,205	2,768	19,739	27,825	30,658	5,825
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	49	15	4	0	6	9	7	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	51	8	2	1	4	5	4	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,386	695	85	43	291	351	464	93
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	4	0	0	4	1	4	0
Acceleration Simulation Mode (ASM)	Partial	Referee	3	5	2	1	1	3	4	3
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	13,928	2,524	303	126	964	1,361	1,515	263
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,275	1,765	233	107	663	954	1,061	226
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	36	3	0	0	2	1	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)	Unknown Program	Gold Shield in Enhanced Area	1,603	287	38	24	138	138	190	47
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	218	27	0	17	185	36	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	22	17	3	6	6	8	8	8
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,024	991	102	77	507	429	661	143
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,531	1,889	248	151	789	1,013	1,143	287
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,476	979	164	82	394	342	684	188
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	139	19	7	0	8	12	8	0
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	955	210	31	10	105	59	174	24
Two Speed Idle (TSI)	Basic	Referee	13	28	3	11	10	7	26	16
Two Speed Idle (TSI)	Basic	Test and Repair	35,009	4,148	588	257	1,900	1,287	3,065	569
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	2,647	118	15	7	66	30	90	17
Two Speed Idle (TSI)	Basic	Test Only	8,059	1,116	169	73	500	386	785	160
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	54	17	4	4	3	7	14	4
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,958	347	77	19	119	154	227	50
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	75	19	7	1	5	11	13	3
Two Speed Idle (TSI)	Change of Ownership	Referee	1	5	4	0	2	4	5	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,680	180	34	16	76	57	135	30
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,005	151	36	11	47	62	100	28
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	502	75	8	15	31	19	52	17
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	509	52	6	2	25	20	37	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	3,278	422	50	22	268	101	340	46
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	9	2	0	4	3	6	0
Two Speed Idle (TSI)	Enhanced	Referee	19	16	1	7	9	4	12	8
Two Speed Idle (TSI)	Enhanced	Test and Repair	15,076	963	74	54	668	157	808	99
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	454	20	2	0	13	5	16	0
Two Speed Idle (TSI)	Enhanced	Test Only	33,829	3,162	409	156	1,993	823	2,382	319
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	46	6	1	0	5	2	6	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)	Partial	Gold Shield in Enhanced Area	267	43	5	5	28	12	33	6
Two Speed Idle (TSI)	Partial	Test and Repair	1,673	160	25	12	95	44	128	17
Two Speed Idle (TSI)	Partial	Test Only	1,006	76	7	7	45	15	58	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	417	66	12	12	25	26	43	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,017	105	20	8	53	42	71	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	398	29	3	2	19	5	24	5
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	10	0	0	9	1	9	0
Two Speed Idle (TSI)	Unknown Program	Referee	8	6	1	3	0	3	4	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,918	414	52	29	253	104	326	57
Two Speed Idle (TSI)	Unknown Program	Test Only	3,864	264	36	16	165	72	204	30
UnKnown TestType	Basic	Gold Shield in Basic Area	213	16	0	1	12	19	12	6
UnKnown TestType	Basic	Gold Shield in Enhanced Area	53	8	0	1	4	9	4	5
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Basic	Test and Repair	1,534	82	0	11	61	96	61	28
UnKnown TestType	Basic	Test and Repair Dealer	227	9	0	1	6	9	6	4
UnKnown TestType	Basic	Test Only	264	19	0	2	16	20	16	5
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	70	8	0	1	7	8	7	1
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	3	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Test and Repair	64	2	0	1	1	2	1	1
UnKnown TestType	Change of Ownership	Test and Repair Dealer	3	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Test Only	21	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Gold Shield in Basic Area	29	2	0	0	1	3	1	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	61	1	0	0	1	3	1	0
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	638	50	0	7	37	59	37	19
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	36	0	0
UnKnown TestType	Enhanced	Referee	16	3	0	2	0	4	0	3
UnKnown TestType	Enhanced	Test and Repair	2,603	119	0	21	78	146	78	46
UnKnown TestType	Enhanced	Test and Repair Dealer	22	0	0	0	0	1	0	0
UnKnown TestType	Enhanced	Test Only	4,408	262	0	44	196	285	196	81

	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 Basic Area	7	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in COO Area	4	1	0	0	0	1	0	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	141	10	0	1	6	10	6	5
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Referee	1	1	0	1	0	1	0	1
UnKnown TestType	Partial	Test and Repair	768	32	0	8	22	34	22	12
UnKnown TestType	Partial	Test and Repair Dealer	10	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	359	23	0	5	16	23	16	7
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	15	2	0	2	1	4	1	2
UnKnown TestType	Unknown Program	Gold Shield in COO Area	58	3	0	1	1	5	1	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	67	2	0	1	0	9	0	2
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	0	27	0	1
UnKnown TestType	Unknown Program	Referee	33	3	0	3	0	3	0	3
UnKnown TestType	Unknown Program	Test and Repair	449	8	0	2	6	39	6	3
UnKnown TestType	Unknown Program	Test Only	412	14	0	2	12	34	12	3