

Executive Summary Report

SMOG CHECK Statewide

June 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	984,911	112,631	11.44%
Total	1,119,827	142,901	12.76%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	863,261	87.65%	121,650	12.35%
Total	964,421	86.12%	155,406	13.88%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	543,134	86.79%	82,635	13.21%
Total	615,988	85.43%	105,073	14.57%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	11,830	1.20%
All Emissions	55,310	5.62%
All Visual	15,289	1.55%
All Functional	68,317	6.94%
OBDII	46,622	4.73%
Overall	112,631	11.44%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	390,177	357,026
Directed Vehicles	235,592	186,108
Total	625,769	543,134

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	60,016	53,478
Directed Vehicles	19,888	14,842
Total	79,904	68,320

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,444	287	547	29	0	4,307
Test Only	2,647	49	28	1	0	2,725
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	468	27	42	75	0	612
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	248	9	37	2	0	296
Unknown Type	1	0	0	0	0	1
Total	6,877	373	765	108	0	8,123

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	790,542	93,185	11.79%	9,549	1.21%
Partially Enhanced	50,414	6,636	13.16%	699	1.39%
Basic	88,899	7,708	8.67%	922	1.04%
Change of Ownership	5,800	773	13.33%	142	2.45%
No Program	3	0	0.00%	0	0.00%
Unknown Program	49,253	4,329	8.79%	518	1.05%
Total Program Area	984,911	112,631	11.44%	11,830	1.20%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	625,769	81,100	12.96%	8,765	1.40%
Regular	270,440	19,834	7.33%	1,760	0.65%
Basic Area Dealer	5,604	168	3.00%	14	0.25%
Gold Shield in Enhanced Area	62,180	8,954	14.40%	933	1.50%
Gold Shield in Basic Area	10,732	1,221	11.38%	146	1.36%
Gold Shield in COO Area	6,992	870	12.44%	158	2.26%
Permanent Fleet Registered	57	1	1.75%	0	0.00%
Referee	408	202	49.51%	29	7.11%
Government Fleet	2,729	281	10.30%	25	0.92%
Total	984,911	112,631	11.44%	11,830	1.20%

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-1976	945	286	30.26%	20.11%	8.57%	17.25%	9.74%	0.00%
MY-1977	1,298	371	28.58%	19.26%	7.40%	14.41%	8.09%	0.00%
MY-1978	1,526	441	28.90%	19.13%	7.99%	15.20%	8.65%	0.00%
MY-1979	1,524	454	29.79%	20.14%	8.20%	16.60%	9.38%	0.00%
MY-1980	945	266	28.15%	20.00%	9.52%	14.60%	8.78%	0.00%
MY-1981	1,112	371	33.36%	25.99%	11.42%	14.03%	8.00%	0.00%
MY-1982	1,191	353	29.64%	24.60%	8.82%	12.93%	6.80%	0.00%
MY-1983	1,843	562	30.49%	23.98%	8.52%	13.56%	7.49%	0.00%
MY-1984	2,952	930	31.50%	25.27%	10.03%	14.43%	7.32%	0.00%
MY-1985	4,004	1,231	30.74%	24.30%	8.74%	13.91%	6.89%	0.00%
MY-1986	5,539	1,659	29.95%	22.71%	8.02%	14.80%	6.81%	0.00%
MY-1987	6,454	1,985	30.76%	23.71%	7.69%	13.67%	5.87%	0.00%
MY-1988	7,916	2,314	29.23%	23.11%	6.61%	12.80%	5.18%	0.00%
MY-1989	10,484	2,890	27.57%	20.98%	5.82%	12.45%	4.86%	0.00%
MY-1990	13,651	3,740	27.40%	21.29%	5.72%	11.80%	3.96%	0.00%
MY-1991	16,457	4,278	26.00%	20.24%	5.18%	11.22%	3.77%	0.00%
MY-1992	17,358	4,555	26.24%	20.24%	5.13%	10.80%	3.69%	0.00%
MY-1993	20,878	5,873	28.13%	22.61%	4.39%	10.59%	3.58%	0.00%
MY-1994	28,277	6,910	24.44%	18.71%	3.13%	9.36%	3.23%	0.00%
MY-1995	28,430	6,900	24.27%	18.66%	3.17%	9.12%	3.43%	0.00%
MY-1996	39,816	7,266	18.25%	9.91%	1.24%	10.07%	2.24%	8.90%
MY-1997	37,957	6,869	18.10%	8.91%	1.25%	10.89%	2.09%	9.78%
MY-1998	58,043	7,453	12.84%	5.50%	0.83%	8.13%	1.56%	7.43%
MY-1999	49,323	6,030	12.23%	4.18%	0.73%	8.74%	1.63%	8.14%
MY-2000	95,140	8,728	9.17%	2.46%	0.42%	6.84%	1.15%	6.49%
MY-2001	46,750	5,838	12.49%	2.28%	0.40%	10.64%	1.30%	10.45%
MY-2002	109,658	8,437	7.69%	1.12%	0.21%	6.48%	0.89%	6.35%
MY-2003	40,470	3,303	8.16%	1.51%	0.25%	6.94%	0.93%	6.85%
MY-2004	122,118	5,560	4.55%	0.53%	0.10%	3.90%	0.50%	3.83%
MY-2005	34,844	1,785	5.12%	0.86%	0.11%	4.30%	0.64%	4.20%
MY-2006	125,455	4,062	3.24%	0.41%	0.05%	2.71%	0.35%	2.68%
MY-2007	17,477	372	2.13%	0.34%	0.06%	1.66%	0.31%	1.64%
MY-2008	15,618	283	1.81%	0.26%	0.03%	1.57%	0.15%	1.51%
MY-2009	5,192	93	1.79%	0.50%	0.04%	1.46%	0.21%	1.44%
MY-2010	5,881	70	1.19%	0.14%	0.00%	1.05%	0.07%	1.00%
MY-2011	5,620	65	1.16%	0.32%	0.04%	0.98%	0.07%	0.94%
MY-2012	2,692	46	1.71%	0.59%	0.11%	1.26%	0.26%	1.23%
MY-2013	72	2	2.78%	0.00%	0.00%	2.78%	0.00%	2.78%
MY-2014	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	984,911	112,631	11.44%	5.62%	1.20%	6.94%	1.55%	4.73%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	402
Certificate of Non Compliance	0
Parts Cost	91
Hardship Extensions	81
Exempt Vehicle	34
Exempted by Directive	4
Parts Exemption	11
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	623

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	993
Stations Locked-Out at Least Once	955
Stations Conducted at Least One Test	7,130

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,195	6,155
EA	Gas Endorsement	10	0
EB	Both Endorsement	42	0
EB	Gas Endorsement	447	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	528,867	47.09	81,681	48.04	610,548	47.21
Test and Repair	168,575	46.98	92,885	46.06	261,460	46.65
Test and Repair Dealer	22	82.09	5,222	52.92	5,244	53.05
Referee	184	30.00	58	30.00	242	30.00
Gold Shield in Enhanced Area	52,190	46.08	8,648	47.91	60,838	46.34
Gold Shield in Basic Area	476	55.20	9,934	39.33	10,410	40.06
Gold Shield in COO Area	1,850	52.24	4,849	51.08	6,699	51.40

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	3,624	22.97	15,679	285.19
	\$51-150	3,218	100.55		
	\$151-250	2,484	201.96		
	\$251-450	3,468	340.20		
	Over \$450	2,885	826.08		
CAP Repairs	\$1-50	48	26.38	267	287.95
	\$51-150	59	95.95		
	\$151-250	40	195.08		
	\$251-450	44	339.84		
	Over \$450	76	621.04		
Total Repairs	\$1-50	3,596	22.99	15,739	288.99
	\$51-150	3,210	100.52		
	\$151-250	2,482	202.04		
	\$251-450	3,485	340.49		
	Over \$450	2,966	827.71		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	258	287.95

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	5	3	0	0	0	2	1	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	45	4	2	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
Acceleration Simulation Mode (ASM)	Basic	Test Only	55	6	0	2	1	3	2	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	318	61	6	3	16	39	27	10
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,204	212	20	16	99	98	146	30
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	39,346	7,248	726	509	2,893	3,692	4,282	1,087
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	59	7	3	34	17	42	3
Acceleration Simulation Mode (ASM)	Enhanced	Referee	106	122	21	50	34	54	69	74
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	122,052	8,512	607	572	4,776	2,999	5,863	1,042
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	429,984	70,161	7,553	4,568	25,885	38,181	40,070	9,189
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	64	14	0	0	5	8	6	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	289	51	7	1	19	30	30	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,859	596	61	36	243	292	351	83
Acceleration Simulation Mode (ASM)	Partial	Referee	1	10	2	5	3	4	7	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	20,281	3,181	314	185	1,158	1,693	1,752	391
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,435	2,273	257	181	810	1,220	1,295	360
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	2	7	0	0	1	6	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	74	10	2	2	4	4	5	2
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,526	227	26	24	105	109	143	44
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	193	17	2	31	151	46	6
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	16	12	3	5	0	8	7	8
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,533	993	93	69	508	434	661	135

	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	15,291	1,957	261	164	867	1,004	1,200	286
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,714	992	126	88	401	307	665	193
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	199	29	3	2	14	9	21	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,366	221	40	22	96	74	152	41
Two Speed Idle (TSI)	Basic	Government Fleet	0	4	1	0	2	2	2	0
Two Speed Idle (TSI)	Basic	Referee	15	17	1	12	2	3	10	12
Two Speed Idle (TSI)	Basic	Test and Repair	52,135	4,787	557	316	2,221	1,363	3,495	666
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,932	130	11	9	69	25	99	20
Two Speed Idle (TSI)	Basic	Test Only	11,594	1,348	181	96	599	431	929	233
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	48	9	1	0	1	4	7	0
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,873	333	71	30	111	150	208	53
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	96	25	4	1	13	9	16	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,619	230	36	24	101	74	174	37
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	47	2	0	0	2	1	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,099	160	30	24	58	62	106	36
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	634	69	9	8	31	17	53	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	898	84	21	8	45	34	57	14
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,652	485	61	34	294	111	379	67
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	18	0	0	12	6	13	0
Two Speed Idle (TSI)	Enhanced	Referee	19	18	1	8	9	2	12	9
Two Speed Idle (TSI)	Enhanced	Test and Repair	23,690	1,215	89	84	828	215	976	150
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	428	14	1	0	11	2	13	0
Two Speed Idle (TSI)	Enhanced	Test Only	57,869	4,335	427	234	2,819	950	3,337	497
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	61	9	1	1	3	3	7	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	93	8	3	0	2	4	4	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	331	44	11	2	20	13	30	7
Two Speed Idle (TSI)	Partial	Test and Repair	2,606	183	25	12	98	60	127	22
Two Speed Idle (TSI)	Partial	Test Only	1,485	152	18	11	87	45	105	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	321	36	3	6	12	8	22	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 COO Area	1,183	129	31	11	60	54	87	17
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	403	26	4	1	13	10	17	3
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	3	0	0	2	1	2	0
Two Speed Idle (TSI)	Unknown Program	Referee	8	2	1	0	0	2	1	1
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,234	383	37	31	228	93	292	57
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	531	11	2	1	7	2	9	2
Two Speed Idle (TSI)	Unknown Program	Test Only	4,356	275	38	24	186	59	208	36
Unknown TestType	Basic	Gold Shield in Basic Area	259	19	0	3	10	19	10	10
Unknown TestType	Basic	Gold Shield in COO Area	22	1	0	1	0	1	0	1
Unknown TestType	Basic	Gold Shield in Enhanced Area	70	9	0	4	5	10	5	4
Unknown TestType	Basic	Government Fleet	0	0	0	0	0	2	0	0
Unknown TestType	Basic	Test and Repair	2,059	106	0	14	81	115	81	29
Unknown TestType	Basic	Test and Repair Dealer	290	8	0	0	8	9	8	0
Unknown TestType	Basic	Test Only	379	23	0	3	17	23	17	7
Unknown TestType	Change of Ownership	Gold Shield in COO Area	64	3	0	0	3	3	3	1
Unknown TestType	Change of Ownership	Gold Shield in Enhanced Area	7	1	0	0	1	1	1	0
Unknown TestType	Change of Ownership	Referee	0	2	0	2	1	2	1	2
Unknown TestType	Change of Ownership	Test and Repair	71	1	0	0	1	2	1	0
Unknown TestType	Change of Ownership	Test Only	42	3	0	1	1	3	1	2
Unknown TestType	Enhanced	Gold Shield in Basic Area	23	2	0	0	1	2	1	1
Unknown TestType	Enhanced	Gold Shield in COO Area	91	6	0	3	2	7	2	4
Unknown TestType	Enhanced	Gold Shield in Enhanced Area	886	56	0	5	41	62	41	17
Unknown TestType	Enhanced	Government Fleet	0	2	0	0	2	17	2	0
Unknown TestType	Enhanced	Referee	9	5	0	4	1	6	1	5
Unknown TestType	Enhanced	Test and Repair	3,335	156	0	21	126	190	126	34
Unknown TestType	Enhanced	Test Only	6,470	344	0	62	247	367	247	107
Unknown TestType	Partial	Gold Shield in Basic Area	4	2	0	0	2	2	2	0
Unknown TestType	Partial	Gold Shield in Enhanced Area	155	10	0	2	6	10	6	4
Unknown TestType	Partial	Referee	1	1	0	1	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	Partial	Test and Repair	1,012	63	0	11	49	64	49	16
UnKnown TestType	Partial	Test and Repair Dealer	4	1	0	0	1	1	1	0
UnKnown TestType	Partial	Test Only	516	36	0	8	22	36	22	18
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	11	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	86	4	0	2	2	4	2	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	66	3	0	1	2	3	2	1
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	1	10	1	0
UnKnown TestType	Unknown Program	Referee	18	12	0	11	1	11	1	11
UnKnown TestType	Unknown Program	Test and Repair	514	19	0	1	15	26	15	5
UnKnown TestType	Unknown Program	Test Only	554	25	0	4	17	44	17	11