

Executive Summary Report

SMOG CHECK Statewide

July 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	961,275	111,910	11.64%
Total	1,093,175	141,822	12.97%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	841,409	87.53%	119,866	12.47%
Total	940,031	85.99%	153,144	14.01%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	530,759	86.53%	82,636	13.47%
Total	602,268	85.17%	104,851	14.83%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	11,856	1.23%
All Emissions	54,741	5.69%
All Visual	15,393	1.60%
All Functional	68,393	7.11%
OBDII	46,415	4.83%
Overall	111,910	11.64%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	385,384	352,035
Directed Vehicles	228,011	178,724
Total	613,395	530,759

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	57,853	51,565
Directed Vehicles	19,006	14,131
Total	76,859	65,696

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,438	288	545	28	0	4,299
Test Only	2,605	49	27	1	0	2,682
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	464	27	43	76	0	610
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	29	1	4	0	0	34
Referee	36	0	6	1	0	43
Government Fleet	248	9	37	2	0	296
Unknown Type	1	0	0	0	0	1
Total	6,824	374	763	108	0	8,069

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	769,803	92,759	12.05%	9,565	1.24%
Partially Enhanced	49,278	6,435	13.06%	667	1.35%
Basic	87,074	7,747	8.90%	986	1.13%
Change of Ownership	5,835	765	13.11%	149	2.55%
No Program	4	1	25.00%	0	0.00%
Unknown Program	49,281	4,203	8.53%	489	0.99%
Total Program Area	961,275	111,910	11.64%	11,856	1.23%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	613,395	81,073	13.22%	8,895	1.45%
Regular	263,473	19,544	7.42%	1,699	0.64%
Basic Area Dealer	5,132	164	3.20%	10	0.19%
Gold Shield in Enhanced Area	58,946	8,520	14.45%	873	1.48%
Gold Shield in Basic Area	10,922	1,356	12.42%	180	1.65%
Gold Shield in COO Area	6,991	863	12.34%	150	2.15%
Business Fleet	4	0	0.00%	0	0.00%
Permanent Fleet Registered	77	7	9.09%	0	0.00%
Referee	417	196	47.00%	25	6.00%
Government Fleet	1,918	187	9.75%	24	1.25%
Total	961,275	111,910	11.64%	11,856	1.23%

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	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	976	305	31.25%	21.21%	8.09%	16.09%	7.99%	0.00%
MY-1977	1,238	361	29.16%	18.50%	7.84%	15.67%	8.32%	0.00%
MY-1978	1,365	402	29.45%	20.07%	8.21%	16.04%	8.79%	0.00%
MY-1979	1,450	445	30.69%	22.62%	9.86%	15.93%	9.03%	0.00%
MY-1980	944	285	30.19%	22.56%	11.12%	15.47%	7.73%	0.00%
MY-1981	976	318	32.58%	24.28%	10.86%	17.01%	8.20%	0.00%
MY-1982	1,177	363	30.84%	23.02%	9.60%	15.29%	8.92%	0.00%
MY-1983	1,695	542	31.98%	24.96%	9.85%	14.93%	8.44%	0.00%
MY-1984	2,697	869	32.22%	25.70%	10.60%	14.76%	7.86%	0.00%
MY-1985	3,892	1,267	32.55%	25.82%	9.46%	14.95%	7.50%	0.00%
MY-1986	5,430	1,654	30.46%	23.50%	8.51%	14.16%	6.26%	0.00%
MY-1987	6,006	1,918	31.93%	25.24%	8.31%	14.25%	6.73%	0.00%
MY-1988	7,680	2,320	30.21%	23.31%	7.37%	14.44%	5.42%	0.00%
MY-1989	10,260	3,027	29.50%	22.20%	6.01%	14.10%	5.02%	0.00%
MY-1990	13,298	3,685	27.71%	21.42%	5.70%	12.18%	4.63%	0.00%
MY-1991	15,919	4,312	27.09%	20.75%	5.45%	12.03%	3.82%	0.00%
MY-1992	16,249	4,343	26.73%	20.28%	5.18%	11.46%	3.78%	0.00%
MY-1993	20,274	5,850	28.85%	23.18%	4.66%	10.72%	3.83%	0.00%
MY-1994	27,343	6,707	24.53%	18.89%	3.36%	9.60%	3.40%	0.00%
MY-1995	27,598	6,864	24.87%	18.82%	3.16%	9.80%	3.46%	0.00%
MY-1996	37,636	6,995	18.59%	9.78%	1.31%	10.62%	2.25%	9.44%
MY-1997	36,575	6,899	18.86%	9.11%	1.35%	11.49%	2.29%	10.19%
MY-1998	57,123	7,738	13.55%	5.79%	0.84%	8.53%	1.70%	7.77%
MY-1999	46,611	5,935	12.73%	4.40%	0.68%	8.90%	1.77%	8.30%
MY-2000	93,252	8,585	9.21%	2.44%	0.43%	6.88%	1.18%	6.54%
MY-2001	45,426	5,685	12.51%	2.21%	0.42%	10.68%	1.30%	10.50%
MY-2002	108,980	8,626	7.92%	1.18%	0.22%	6.68%	0.89%	6.55%
MY-2003	40,473	3,298	8.15%	1.66%	0.24%	6.79%	0.92%	6.69%
MY-2004	119,789	5,648	4.71%	0.61%	0.09%	4.01%	0.52%	3.94%
MY-2005	34,253	1,639	4.78%	0.91%	0.10%	3.96%	0.53%	3.92%
MY-2006	122,358	4,040	3.30%	0.49%	0.06%	2.72%	0.38%	2.67%
MY-2007	17,419	398	2.28%	0.55%	0.06%	1.79%	0.29%	1.75%
MY-2008	14,977	281	1.88%	0.45%	0.03%	1.56%	0.12%	1.54%
MY-2009	5,431	131	2.41%	0.50%	0.07%	2.06%	0.24%	2.04%
MY-2010	5,703	69	1.21%	0.28%	0.02%	0.91%	0.21%	0.91%
MY-2011	5,659	62	1.10%	0.37%	0.02%	0.88%	0.11%	0.88%
MY-2012	3,041	40	1.32%	0.39%	0.00%	0.99%	0.13%	0.95%
MY-2013	101	4	3.96%	0.00%	0.00%	3.96%	0.00%	3.96%
All Model Years	961,275	111,910	11.64%	5.69%	1.23%	7.11%	1.60%	4.83%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	427
Certificate of Non Compliance	0
Parts Cost	78
Hardship Extensions	23
Exempt Vehicle	29
Exempted by Directive	3
Parts Exemption	10
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	570

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	959
Stations Locked-Out at Least Once	946
Stations Conducted at Least One Test	7,110

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,158	5,705
EA	Gas Endorsement	9	0
EB	Both Endorsement	41	0
EB	Gas Endorsement	446	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	516,186	47.07	79,876	48.00	596,062	47.19
Test and Repair	162,880	46.56	91,105	45.74	253,985	46.26
Test and Repair Dealer	14	77.79	4,731	54.46	4,745	54.53
Referee	185	30.00	68	30.00	253	30.00
Gold Shield in Enhanced Area	49,444	45.97	8,117	48.21	57,561	46.28
Gold Shield in Basic Area	474	57.83	9,955	36.00	10,429	36.99
Gold Shield in COO Area	1,959	53.72	4,750	50.99	6,709	51.79

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	3,343	23.07	14,591	287.33
	\$51-150	3,010	100.67		
	\$151-250	2,337	201.62		
	\$251-450	3,178	338.86		
	Over \$450	2,723	831.54		
CAP Repairs	\$1-50	46	24.59	353	319.96
	\$51-150	72	103.11		
	\$151-250	35	210.77		
	\$251-450	91	351.97		
	Over \$450	109	596.19		
Total Repairs	\$1-50	3,340	23.12	14,676	293.36
	\$51-150	2,932	100.46		
	\$151-250	2,331	201.59		
	\$251-450	3,195	339.16		
	Over \$450	2,878	827.01		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	343	319.96

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	6	2	1	0	0	2	2	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	52	12	1	0	5	7	8	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	58	6	1	1	1	4	4	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	6	2	2	0	0	2	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	329	50	2	5	17	25	25	8
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,273	251	26	12	104	132	149	30
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	37,226	6,858	687	513	2,823	3,429	4,176	1,016
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	42	2	2	29	11	31	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	103	131	21	53	31	73	72	74
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	117,469	8,542	552	589	4,786	2,982	5,864	1,109
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	418,449	70,026	7,663	4,451	25,947	37,872	40,330	9,305
Acceleration Simulation Mode (ASM)	No Program	Test Only	1	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	61	14	1	0	7	8	7	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	300	60	8	4	28	31	34	6
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,843	543	57	29	209	270	327	59
Acceleration Simulation Mode (ASM)	Partial	Referee	4	10	1	5	5	3	9	6
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	19,455	3,056	290	191	1,084	1,623	1,738	386
Acceleration Simulation Mode (ASM)	Partial	Test Only	13,124	2,330	271	144	857	1,249	1,333	310
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	1	3	0	0	0	3	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	66	5	1	0	3	2	3	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,425	268	29	28	120	121	168	49
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	122	19	0	12	107	21	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	Referee	9	14	1	6	3	7	7	8
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,714	922	85	69	454	421	579	136
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	15,631	1,922	245	172	852	976	1,192	309
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,585	1,128	162	88	450	331	772	227
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	222	19	6	1	7	10	12	8
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,252	200	32	17	100	68	140	33
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	0	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Basic	Referee	20	17	1	10	2	6	10	11
Two Speed Idle (TSI)	Basic	Test and Repair	50,971	4,686	587	278	2,156	1,392	3,402	631
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,631	133	8	9	69	26	98	20
Two Speed Idle (TSI)	Basic	Test Only	11,213	1,362	187	103	590	435	944	227
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	61	16	3	1	3	8	8	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,880	313	75	18	117	141	205	42
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	107	22	4	3	11	6	18	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,691	232	35	25	94	69	180	43
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,051	168	30	19	64	56	118	38
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	645	57	6	9	21	19	35	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	894	78	12	2	48	21	59	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,264	481	55	38	282	114	367	65
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	12	2	0	5	7	5	0
Two Speed Idle (TSI)	Enhanced	Referee	30	9	0	2	5	1	8	3
Two Speed Idle (TSI)	Enhanced	Test and Repair	23,178	1,159	86	68	791	216	926	135
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	383	9	0	0	6	2	7	0
Two Speed Idle (TSI)	Enhanced	Test Only	56,709	4,418	451	282	2,805	961	3,372	578
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	97	14	1	2	9	3	11	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	322	28	4	0	12	8	22	3
Two Speed Idle (TSI)	Partial	Test and Repair	2,596	168	23	7	84	48	121	21

	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	Test Only	1,639	113	11	6	72	26	89	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	389	58	6	5	36	11	47	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,106	108	21	13	53	44	75	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	453	28	4	1	20	6	23	2
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	5	1	0	3	2	3	0
Two Speed Idle (TSI)	Unknown Program	Referee	7	3	1	2	0	1	3	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,417	398	40	28	227	106	298	55
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	445	12	2	1	7	2	9	1
Two Speed Idle (TSI)	Unknown Program	Test Only	4,639	281	34	22	184	66	217	40
Unknown TestType	Basic	Gold Shield in Basic Area	306	19	0	0	14	20	14	6
Unknown TestType	Basic	Gold Shield in COO Area	20	2	0	0	1	2	1	1
Unknown TestType	Basic	Gold Shield in Enhanced Area	72	2	0	0	1	2	1	1
Unknown TestType	Basic	Government Fleet	0	0	0	0	0	1	0	0
Unknown TestType	Basic	Referee	2	3	0	3	0	3	1	3
Unknown TestType	Basic	Test and Repair	2,200	120	0	18	93	132	93	33
Unknown TestType	Basic	Test and Repair Dealer	318	9	0	1	6	9	6	3
Unknown TestType	Basic	Test Only	430	23	0	4	13	24	13	11
Unknown TestType	Change of Ownership	Gold Shield in COO Area	82	6	0	2	3	6	3	3
Unknown TestType	Change of Ownership	Referee	0	1	0	1	0	1	0	1
Unknown TestType	Change of Ownership	Test and Repair	59	3	0	0	1	3	1	2
Unknown TestType	Change of Ownership	Test Only	40	1	0	1	0	1	0	1
Unknown TestType	Enhanced	Gold Shield in Basic Area	20	5	0	0	2	6	2	3
Unknown TestType	Enhanced	Gold Shield in COO Area	60	4	0	1	3	7	3	1
Unknown TestType	Enhanced	Gold Shield in Enhanced Area	902	74	0	5	57	82	57	22
Unknown TestType	Enhanced	Government Fleet	0	2	0	0	2	21	2	0
Unknown TestType	Enhanced	Referee	18	1	0	1	0	1	0	1
Unknown TestType	Enhanced	Test and Repair	3,427	175	0	12	149	225	149	31
Unknown TestType	Enhanced	Test and Repair Dealer	26	1	0	0	1	1	1	0
Unknown TestType	Enhanced	Test Only	6,645	370	0	60	252	394	252	136

	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	6	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	138	12	0	1	9	13	9	3
UnKnown TestType	Partial	Test and Repair	1,016	51	0	5	37	60	37	16
UnKnown TestType	Partial	Test Only	532	28	0	5	16	28	16	12
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	16	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	68	3	0	2	1	3	1	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	90	2	0	0	2	4	2	0
UnKnown TestType	Unknown Program	Government Fleet	0	1	0	0	1	17	1	0
UnKnown TestType	Unknown Program	Referee	9	5	0	5	0	5	0	5
UnKnown TestType	Unknown Program	Test and Repair	500	19	0	5	13	41	13	7
UnKnown TestType	Unknown Program	Test and Repair Dealer	16	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Test Only	592	22	0	3	14	52	14	8