

Executive Summary Report

SMOG CHECK Statewide

April 2012

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	913,562	108,960	11.93%
Total	1,047,028	139,382	13.31%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	794,611	86.98%	118,951	13.02%
Total	894,119	85.40%	152,909	14.60%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	500,321	86.18%	80,255	13.82%
Total	572,046	84.82%	102,412	15.18%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	11,604	1.27%
All Emissions	53,274	5.83%
All Visual	14,736	1.61%
All Functional	67,470	7.39%
OBDII	46,010	5.04%
Overall	108,960	11.93%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	356,406	323,501
Directed Vehicles	224,170	176,820
Total	580,576	500,321

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	55,700	49,112
Directed Vehicles	18,429	13,846
Total	74,129	62,958

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,474	289	540	27	0	4,330
Test Only	2,645	51	25	1	0	2,722
Basic Area Dealer	0	0	101	0	0	101
Gold Shield	476	27	44	76	0	623
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	6,913	377	757	107	0	8,154

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	731,806	90,161	12.32%	9,279	1.27%
Partially Enhanced	46,722	6,358	13.61%	664	1.42%
Basic	80,167	7,377	9.20%	973	1.21%
Change of Ownership	5,861	799	13.63%	157	2.68%
No Program	11	1	9.09%	0	0.00%
Unknown Program	48,995	4,264	8.70%	531	1.08%
Total Program Area	913,562	108,960	11.93%	11,604	1.27%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	580,576	78,732	13.56%	8,496	1.46%
Regular	249,230	18,971	7.61%	1,804	0.72%
Basic Area Dealer	5,357	177	3.30%	12	0.22%
Gold Shield in Enhanced Area	56,709	8,441	14.88%	894	1.58%
Gold Shield in Basic Area	10,162	1,260	12.40%	188	1.85%
Gold Shield in COO Area	7,258	891	12.28%	159	2.19%
Business Fleet	5	0	0.00%	0	0.00%
Permanent Fleet Registered	14	2	14.29%	0	0.00%
Referee	428	198	46.26%	25	5.84%
Government Fleet	3,822	288	7.54%	26	0.68%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	913,562	108,960	11.93%	11,604	1.27%

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-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	936	245	26.18%	17.74%	8.44%	13.89%	8.12%	0.00%
MY-1977	1,172	356	30.38%	20.05%	7.08%	16.72%	8.36%	0.00%
MY-1978	1,394	398	28.55%	18.51%	8.61%	15.35%	8.46%	0.00%
MY-1979	1,456	442	30.36%	21.15%	9.55%	17.38%	10.03%	0.00%
MY-1980	899	238	26.47%	20.02%	9.12%	13.01%	6.67%	0.00%
MY-1981	1,084	341	31.46%	24.45%	9.32%	15.13%	9.87%	0.00%
MY-1982	1,210	385	31.82%	25.12%	9.83%	15.79%	8.68%	0.00%
MY-1983	1,532	491	32.05%	24.22%	8.88%	15.67%	8.81%	0.00%
MY-1984	2,822	943	33.42%	26.54%	10.52%	15.63%	8.04%	0.00%
MY-1985	3,784	1,227	32.43%	25.79%	8.46%	15.17%	6.79%	0.00%
MY-1986	5,399	1,648	30.52%	23.04%	8.48%	14.91%	6.65%	0.00%
MY-1987	6,218	1,946	31.30%	24.70%	8.07%	14.38%	6.27%	0.00%
MY-1988	7,447	2,159	28.99%	22.81%	7.01%	13.48%	5.52%	0.00%
MY-1989	10,467	2,895	27.66%	21.13%	6.14%	12.80%	4.86%	0.00%
MY-1990	13,274	3,695	27.84%	21.74%	5.80%	12.54%	4.35%	0.00%
MY-1991	15,427	4,217	27.34%	20.96%	5.17%	12.12%	4.11%	0.00%
MY-1992	16,262	4,367	26.85%	20.97%	5.00%	10.96%	3.92%	0.00%
MY-1993	19,726	5,550	28.14%	22.36%	4.31%	10.98%	3.93%	0.00%
MY-1994	26,578	6,745	25.38%	19.31%	3.35%	10.35%	3.44%	0.00%
MY-1995	27,291	6,727	24.65%	19.05%	3.40%	9.41%	3.24%	0.00%
MY-1996	37,042	6,994	18.88%	9.90%	1.29%	10.88%	2.34%	9.77%
MY-1997	35,573	6,581	18.50%	8.90%	1.39%	11.58%	2.13%	10.38%
MY-1998	53,224	7,221	13.57%	5.80%	0.93%	8.74%	1.58%	8.12%
MY-1999	46,669	5,970	12.79%	4.39%	0.69%	9.13%	1.71%	8.54%
MY-2000	86,780	8,306	9.57%	2.53%	0.46%	7.32%	1.12%	6.99%
MY-2001	45,237	5,935	13.12%	2.26%	0.41%	11.32%	1.24%	11.14%
MY-2002	96,166	7,858	8.17%	1.16%	0.21%	7.03%	0.88%	6.91%
MY-2003	38,809	3,436	8.85%	1.58%	0.26%	7.48%	1.02%	7.40%
MY-2004	110,138	5,274	4.79%	0.60%	0.13%	4.10%	0.53%	4.03%
MY-2005	32,925	1,767	5.37%	0.84%	0.10%	4.57%	0.61%	4.53%
MY-2006	114,400	3,643	3.18%	0.37%	0.06%	2.71%	0.35%	2.67%
MY-2007	17,140	400	2.33%	0.50%	0.09%	1.87%	0.26%	1.84%
MY-2008	15,641	312	1.99%	0.44%	0.05%	1.69%	0.15%	1.68%
MY-2009	5,291	79	1.49%	0.47%	0.06%	1.29%	0.08%	1.25%
MY-2010	6,257	65	1.04%	0.22%	0.05%	0.78%	0.14%	0.77%
MY-2011	6,011	67	1.11%	0.27%	0.02%	0.90%	0.05%	0.87%
MY-2012	1,868	36	1.93%	0.32%	0.00%	1.77%	0.05%	1.71%
MY-2013	10	1	10.00%	0.00%	0.00%	10.00%	0.00%	10.00%
MY-2014	1	0	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	913,562	108,960	11.93%	5.83%	1.27%	7.39%	1.61%	5.04%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	438
Certificate of Non Compliance	0
Parts Cost	175
Hardship Extensions	12
Exempt Vehicle	32
Exempted by Directive	7
Parts Exemption	8
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	672

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,054
Stations Locked-Out at Least Once	1,043
Stations Conducted at Least One Test	7,100

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,097	5,906
EA	Gas Endorsement	9	0
EB	Both Endorsement	42	0
EB	Gas Endorsement	457	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	489,855	47.03	74,945	47.98	564,800	47.15
Test and Repair	156,401	47.73	84,052	46.62	240,453	47.34
Test and Repair Dealer	22	69.41	4,931	54.08	4,953	54.15
Referee	193	30.00	67	30.00	260	30.00
Gold Shield in Enhanced Area	47,544	45.97	7,833	47.35	55,377	46.17
Gold Shield in Basic Area	459	60.44	9,365	35.67	9,824	36.83
Gold Shield in COO Area	1,798	50.45	4,973	50.49	6,771	50.48

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	3,559	23.12	15,408	291.09
	\$51-150	3,056	101.23		
	\$151-250	2,460	201.26		
	\$251-450	3,319	340.51		
	Over \$450	3,014	818.92		
CAP Repairs	\$1-50	64	26.03	894	390.85
	\$51-150	72	106.04		
	\$151-250	74	202.65		
	\$251-450	218	353.29		
	Over \$450	466	532.42		
Total Repairs	\$1-50	3,326	23.26	15,624	309.43
	\$51-150	2,986	101.26		
	\$151-250	2,442	201.72		
	\$251-450	3,423	340.87		
	Over \$450	3,447	810.98		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	852	390.85

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	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	49	5	0	1	2	2	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	68	11	0	1	5	5	7	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	310	68	6	4	25	34	36	8
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	1,207	227	25	10	91	114	139	32
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	35,471	6,725	693	482	2,722	3,411	4,094	986
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	65	0	0	46	15	51	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	112	125	16	53	29	64	80	63
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	111,551	8,378	636	550	4,741	3,050	5,910	1,020
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	396,091	67,814	7,297	4,308	25,783	36,447	39,597	8,846
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	65	14	0	0	4	9	7	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	222	53	7	1	21	34	29	5
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,612	606	68	34	243	319	363	79
Acceleration Simulation Mode (ASM)	Partial	Referee	8	9	0	7	2	3	6	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,421	2,941	303	181	1,091	1,616	1,677	366
Acceleration Simulation Mode (ASM)	Partial	Test Only	12,659	2,266	240	147	874	1,204	1,310	305
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	69	11	1	0	7	3	8	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,553	262	26	20	132	117	184	50
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	193	26	1	25	153	50	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	14	14	4	5	5	9	10	8
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,505	927	94	77	468	413	609	148
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	14,343	1,925	265	173	847	975	1,186	321

	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)	Basic	Gold Shield in Basic Area	7,106	1,024	158	90	396	330	686	220
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	218	34	8	3	9	19	17	7
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,179	195	42	19	82	69	137	33
Two Speed Idle (TSI)	Basic	Referee	20	21	3	9	3	3	18	14
Two Speed Idle (TSI)	Basic	Test and Repair	46,232	4,504	573	285	2,052	1,316	3,313	640
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,493	126	10	9	64	21	97	21
Two Speed Idle (TSI)	Basic	Test Only	10,401	1,284	179	89	549	432	875	205
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	57	18	5	2	2	10	7	5
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,899	330	79	19	108	170	208	45
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	90	22	5	2	5	8	17	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,654	217	34	21	92	73	160	38
Two Speed Idle (TSI)	Change of Ownership	Test Only	1,075	198	34	24	72	70	136	44
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	617	57	5	11	20	21	36	18
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,013	91	17	5	53	29	66	11
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,096	479	50	28	296	95	373	61
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	17	0	0	12	2	15	0
Two Speed Idle (TSI)	Enhanced	Referee	28	11	2	4	3	2	7	6
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,624	1,100	96	71	760	185	900	115
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	475	17	1	1	12	3	14	1
Two Speed Idle (TSI)	Enhanced	Test Only	53,041	4,363	435	260	2,847	949	3,395	490
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	321	31	6	2	17	13	24	4
Two Speed Idle (TSI)	Partial	Test and Repair	2,388	182	23	16	92	54	127	32
Two Speed Idle (TSI)	Partial	Test Only	1,471	137	17	11	79	32	103	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	307	53	14	5	19	21	38	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,306	125	22	7	54	50	88	14
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	397	28	4	0	17	8	20	3
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	4	0	0	3	1	3	0
Two Speed Idle (TSI)	Unknown Program	Referee	9	4	0	2	1	2	3	4
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,095	379	45	36	228	104	290	61

	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	Test and Repair Dealer	615	14	1	1	11	2	11	1
Two Speed Idle (TSI)	Unknown Program	Test Only	3,869	274	29	31	174	61	209	46
UnKnown TestType	Basic	Gold Shield in Basic Area	275	15	0	1	11	15	11	6
UnKnown TestType	Basic	Gold Shield in COO Area	14	3	0	0	2	3	2	2
UnKnown TestType	Basic	Gold Shield in Enhanced Area	55	3	0	1	3	3	3	1
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	2	0	0
UnKnown TestType	Basic	Referee	3	4	0	4	0	4	0	4
UnKnown TestType	Basic	Test and Repair	1,940	109	0	5	93	115	93	19
UnKnown TestType	Basic	Test and Repair Dealer	326	14	0	2	12	19	12	3
UnKnown TestType	Basic	Test Only	364	19	0	5	9	20	9	10
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	1	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	86	6	0	0	4	6	4	2
UnKnown TestType	Change of Ownership	Test and Repair	67	3	0	0	3	3	3	0
UnKnown TestType	Change of Ownership	Test Only	20	1	0	0	1	2	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	20	3	0	0	3	3	3	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	82	4	0	1	1	17	1	3
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	835	73	0	13	53	82	53	23
UnKnown TestType	Enhanced	Government Fleet	0	1	0	0	1	40	1	0
UnKnown TestType	Enhanced	Referee	11	3	0	3	0	3	0	3
UnKnown TestType	Enhanced	Test and Repair	3,066	154	0	24	119	187	119	37
UnKnown TestType	Enhanced	Test and Repair Dealer	25	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Test Only	5,956	382	0	72	276	394	276	133
UnKnown TestType	Partial	Gold Shield in Basic Area	3	1	0	0	1	1	1	0
UnKnown TestType	Partial	Gold Shield in Enhanced Area	116	12	0	1	9	12	9	3
UnKnown TestType	Partial	Referee	2	1	0	1	0	1	0	1
UnKnown TestType	Partial	Test and Repair	931	57	0	10	35	62	35	24
UnKnown TestType	Partial	Test Only	440	30	0	4	23	31	23	8
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	18	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	92	2	0	0	1	2	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
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	77	3	0	2	1	8	1	3
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	18	0	0
UnKnown TestType	Unknown Program	Referee	16	3	0	3	0	3	0	3
UnKnown TestType	Unknown Program	Test and Repair	492	15	0	0	10	21	10	5
UnKnown TestType	Unknown Program	Test Only	508	27	0	4	18	41	18	10