

Executive Summary Report

SMOG CHECK Statewide

July 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	860,754	102,889	11.95%
Total	990,569	131,858	13.31%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	748,244	86.93%	112,510	13.07%
Total	844,695	85.27%	145,874	14.73%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	456,250	86.60%	70,607	13.40%
Total	518,744	85.65%	86,945	14.35%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	15,401	1.79%
All Emissions	51,772	6.01%
All Visual	12,008	1.40%
All Functional	66,606	7.74%
OBDII	36,929	4.29%
Overall	102,889	11.95%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	282,965	255,527
Directed Vehicles	243,892	200,723
Total	526,857	456,250

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	54,756	47,434
Directed Vehicles	19,480	14,859
Total	74,236	62,293

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,906	272	523	29	0	4,730
Test Only	2,250	46	22	1	0	2,319
Basic Area Dealer	0	1	110	0	0	111
Gold Shield	478	32	61	78	0	649
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	6,950	361	764	111	0	8,186

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	691,618	83,603	12.09%	12,320	1.78%
Partially Enhanced	42,095	5,903	14.02%	902	2.14%
Basic	79,770	8,680	10.88%	1,358	1.70%
Change of Ownership	5,246	797	15.19%	198	3.77%
No Program	5	1	20.00%	0	0.00%
Unknown Program	42,020	3,905	9.29%	623	1.48%
Total Program Area	860,754	102,889	11.95%	15,401	1.79%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	526,857	69,240	13.14%	11,005	2.09%
Regular	252,177	21,443	8.50%	2,578	1.02%
Basic Area Dealer	4,429	179	4.04%	18	0.41%
Gold Shield in Enhanced Area	56,609	8,879	15.68%	1,249	2.21%
Gold Shield in Basic Area	12,809	1,847	14.42%	320	2.50%
Gold Shield in COO Area	4,818	686	14.24%	160	3.32%
Business Fleet	15	0	0.00%	0	0.00%
Permanent Fleet Registered	47	5	10.64%	2	4.26%
Referee	773	408	52.78%	51	6.60%
Government Fleet	2,218	202	9.11%	18	0.81%
Unknown Privilege	2	0	0.00%	0	0.00%
Total	860,754	102,889	11.95%	15,401	1.79%

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-1970	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1975	8	3	37.50%	37.50%	12.50%	25.00%	12.50%	0.00%
MY-1976	1,323	423	31.97%	21.16%	9.52%	19.05%	8.92%	0.00%
MY-1977	1,822	510	27.99%	17.07%	7.46%	18.00%	7.52%	0.00%
MY-1978	2,071	590	28.49%	18.20%	8.64%	17.67%	8.16%	0.00%
MY-1979	2,139	665	31.09%	20.20%	9.12%	19.50%	8.23%	0.00%
MY-1980	1,321	399	30.20%	20.97%	10.83%	17.71%	8.55%	0.00%
MY-1981	1,607	448	27.88%	20.97%	9.77%	15.06%	7.84%	0.00%
MY-1982	1,754	521	29.70%	22.46%	10.26%	15.85%	6.73%	0.00%
MY-1983	2,585	756	29.25%	21.97%	9.56%	17.25%	7.58%	0.00%
MY-1984	4,342	1,302	29.99%	23.45%	11.42%	16.63%	7.76%	0.00%
MY-1985	6,227	1,804	28.97%	21.74%	10.70%	15.90%	6.12%	0.00%
MY-1986	8,720	2,297	26.34%	19.09%	8.65%	14.44%	4.92%	0.00%
MY-1987	9,954	2,761	27.74%	20.96%	8.44%	14.58%	4.90%	0.00%
MY-1988	12,672	3,239	25.56%	18.89%	7.51%	13.72%	4.51%	0.00%
MY-1989	16,863	3,890	23.07%	16.72%	6.37%	12.27%	3.40%	0.00%
MY-1990	20,457	4,552	22.25%	16.27%	5.78%	11.83%	3.01%	0.00%
MY-1991	23,877	5,076	21.26%	15.68%	5.16%	11.04%	2.48%	0.00%
MY-1992	24,153	4,889	20.24%	14.38%	4.63%	9.93%	2.68%	0.00%
MY-1993	29,467	6,482	22.00%	16.48%	4.02%	10.16%	2.63%	0.00%
MY-1994	31,080	6,137	19.75%	13.94%	3.30%	9.56%	2.54%	0.00%
MY-1995	48,605	7,657	15.75%	10.62%	2.34%	7.30%	1.97%	0.00%
MY-1996	33,300	6,037	18.13%	8.11%	1.34%	12.68%	1.43%	11.89%
MY-1997	62,128	8,263	13.30%	5.08%	0.90%	9.61%	1.06%	8.95%
MY-1998	45,479	5,698	12.53%	4.25%	0.74%	9.44%	0.98%	9.02%
MY-1999	83,176	6,934	8.34%	2.03%	0.38%	6.69%	0.68%	6.38%
MY-2000	43,703	4,382	10.03%	2.13%	0.48%	8.40%	0.77%	8.04%
MY-2001	120,686	8,048	6.67%	0.87%	0.19%	5.88%	0.48%	5.66%
MY-2002	32,009	2,203	6.88%	1.03%	0.24%	5.98%	0.51%	5.75%
MY-2003	140,387	5,486	3.91%	0.42%	0.12%	3.47%	0.27%	3.31%
MY-2004	14,301	490	3.43%	0.59%	0.14%	2.86%	0.24%	2.71%
MY-2005	15,893	518	3.26%	0.26%	0.08%	2.87%	0.21%	2.68%
MY-2006	6,878	187	2.72%	0.29%	0.04%	2.37%	0.15%	2.24%
MY-2007	5,024	118	2.35%	0.28%	0.06%	2.07%	0.14%	1.99%
MY-2008	4,868	81	1.66%	0.21%	0.02%	1.38%	0.12%	1.31%
MY-2009	1,781	42	2.36%	0.56%	0.00%	1.85%	0.39%	1.68%
MY-2010	93	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	860,754	102,889	11.95%	6.01%	1.79%	7.74%	1.40%	4.29%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	594
Certificate of Non Compliance	3
Parts Cost	86
Hardship Extensions	280
Exempt Vehicle	38
Exempted by Directive	130
Parts Exemption	16
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,147

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,082
Stations Locked-Out at Least Once	455
Stations Conducted at Least One Test	7,104

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,909	5,834
EA	Gas Endorsement	10	0
EB	Both Endorsement	51	0
EB	Gas Endorsement	505	0
EU	Gas Endorsement	1	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	460,281	49.25	60,059	50.09	520,340	49.34
Test and Repair	162,562	47.16	86,796	47.45	249,358	47.26
Test and Repair Dealer	39	77.28	4,390	52.00	4,429	52.22
Referee	287	30.00	115	30.00	402	30.00
Gold Shield in Enhanced Area	48,510	48.20	7,971	49.55	56,481	48.39
Gold Shield in Basic Area	509	65.26	12,300	37.96	12,809	39.05
Gold Shield in COO Area	429	59.57	4,389	51.47	4,818	52.19

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	7,241	21.85	22,842	216.08
	\$51-150	5,326	100.08		
	\$151-250	3,392	200.73		
	\$251-450	4,047	338.87		
	Over \$450	2,836	773.02		
CAP Repairs	\$1-50	109	22.97	3,918	400.53
	\$51-150	219	107.14		
	\$151-250	368	203.18		
	\$251-450	1,318	357.14		
	Over \$450	1,904	524.07		
Total Repairs	\$1-50	6,179	21.96	23,654	275.01
	\$51-150	4,329	99.89		
	\$151-250	3,306	201.43		
	\$251-450	4,902	344.21		
	Over \$450	4,938	725.74		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,700	400.53

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	Test and Repair	37	6	0	0	2	4	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	1	0	1	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)	Change of Ownership	Test and Repair	4	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	331	86	9	3	21	43	42	11
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	323	64	8	4	23	33	42	9
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	35,375	6,945	942	357	2,462	3,533	4,503	827
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	61	5	1	35	21	40	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	193	195	35	69	50	103	98	92
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	117,447	10,115	959	518	5,581	3,797	7,361	1,035
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	377,572	60,621	9,587	3,320	18,990	34,270	37,482	7,006
Acceleration Simulation Mode (ASM)	No Program	Test Only	2	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	65	24	8	1	5	17	14	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	15	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,417	797	125	36	259	417	510	86
Acceleration Simulation Mode (ASM)	Partial	Referee	6	8	3	5	1	4	3	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,684	2,856	390	158	893	1,527	1,764	348
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,469	1,848	316	100	553	1,064	1,080	204
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,480	249	39	23	108	122	169	42
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	106	7	1	23	71	40	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	23	9	1	5	3	3	6	5
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	11,646	1,004	127	56	478	454	676	108
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,218	1,644	304	114	659	916	1,044	233

	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	9,509	1,607	273	95	518	591	1,061	260
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	240	34	8	0	13	14	25	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,095	239	42	12	95	86	189	37
Two Speed Idle (TSI)	Basic	Government Fleet	0	4	1	0	2	1	3	0
Two Speed Idle (TSI)	Basic	Referee	31	29	6	10	10	11	18	14
Two Speed Idle (TSI)	Basic	Test and Repair	46,857	5,361	804	286	1,837	1,776	3,953	572
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,333	151	15	6	49	43	111	20
Two Speed Idle (TSI)	Basic	Test Only	8,397	1,225	209	80	441	455	841	162
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	61	21	7	4	3	10	13	6
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,882	425	111	37	101	213	256	57
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	137	35	9	1	13	13	25	3
Two Speed Idle (TSI)	Change of Ownership	Referee	5	8	3	5	3	4	5	8
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,457	155	37	6	54	63	109	16
Two Speed Idle (TSI)	Change of Ownership	Test Only	814	146	31	16	40	68	90	29
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	426	34	7	1	12	12	22	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	506	48	3	7	18	14	30	9
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	5,110	524	81	23	253	157	397	59
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	20	4	0	10	9	12	1
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	19	3	2	0	1	2	2	1
Two Speed Idle (TSI)	Enhanced	Referee	49	17	2	11	4	3	8	12
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,834	1,348	169	64	807	311	1,092	128
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	366	10	1	0	7	2	9	0
Two Speed Idle (TSI)	Enhanced	Test Only	42,458	3,432	506	167	1,889	995	2,524	326
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	52	7	4	0	0	4	2	2
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	37	4	2	1	1	2	2	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	360	53	7	6	25	16	39	9
Two Speed Idle (TSI)	Partial	Test and Repair	2,151	182	28	6	78	60	135	13
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	37	4	0	0	3	1	3	0
Two Speed Idle (TSI)	Partial	Test Only	1,104	107	19	11	46	35	71	15

	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 Basic Area	426	68	12	6	33	20	50	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,024	107	28	5	34	44	76	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	397	37	4	4	17	10	29	6
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	10	1	0	3	6	5	0
Two Speed Idle (TSI)	Unknown Program	Referee	16	5	1	3	1	2	2	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,016	415	64	31	216	121	325	59
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	346	12	2	1	4	4	8	3
Two Speed Idle (TSI)	Unknown Program	Test Only	3,185	212	33	12	131	59	169	28
UnKnown TestType	Basic	Referee	3	20	0	11	0	20	0	12
UnKnown TestType	Change of Ownership	Referee	0	3	0	3	0	3	0	3
UnKnown TestType	Enhanced	Referee	10	78	0	51	0	78	3	52
UnKnown TestType	Partial	Referee	0	7	0	6	0	7	0	6
UnKnown TestType	Unknown Program	Referee	21	25	0	15	0	24	0	16