

Executive Summary Report

SMOG CHECK Statewide

October 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	779,393	100,024	12.83%
Total	903,016	129,335	14.32%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	667,508	85.64%	111,885	14.36%
Total	757,446	83.88%	145,570	16.12%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	416,170	85.62%	69,893	14.38%
Total	474,262	84.55%	86,657	15.45%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,487	1.86%
All Emissions	51,186	6.57%
All Visual	10,903	1.40%
All Functional	62,636	8.04%
OBDII	35,845	4.60%
Overall	100,024	12.83%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	251,189	223,688
Directed Vehicles	234,874	192,482
Total	486,063	416,170

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	49,243	41,702
Directed Vehicles	20,257	15,413
Total	69,500	57,115

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,813	270	525	29	0	4,637
Test Only	2,292	44	22	1	0	2,359
Basic Area Dealer	0	1	111	1	0	113
Gold Shield	506	34	55	77	0	672
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	6,927	359	761	111	0	8,158

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	623,481	81,569	13.08%	11,636	1.87%
Partially Enhanced	38,524	5,789	15.03%	845	2.19%
Basic	71,225	7,948	11.16%	1,222	1.72%
Change of Ownership	5,077	756	14.89%	191	3.76%
No Program	4	1	25.00%	0	0.00%
Unknown Program	41,082	3,961	9.64%	593	1.44%
Total Program Area	779,393	100,024	12.83%	14,487	1.86%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	486,063	67,972	13.98%	10,345	2.13%
Regular	216,673	20,009	9.23%	2,421	1.12%
Basic Area Dealer	4,332	208	4.80%	23	0.53%
Gold Shield in Enhanced Area	54,403	9,083	16.70%	1,216	2.24%
Gold Shield in Basic Area	10,812	1,690	15.63%	283	2.62%
Gold Shield in COO Area	4,285	589	13.75%	150	3.50%
Business Fleet	3	0	0.00%	0	0.00%
Permanent Fleet Registered	85	8	9.41%	0	0.00%
Referee	559	288	51.52%	30	5.37%
Government Fleet	2,168	177	8.16%	19	0.88%
Unknown Privilege	10	0	0.00%	0	0.00%
Total	779,393	100,024	12.83%	14,487	1.86%

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-1932	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1967	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1969	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	4	2	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	5	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	914	259	28.34%	19.47%	9.30%	15.86%	8.21%	0.00%
MY-1977	1,545	457	29.58%	17.86%	8.67%	18.38%	7.57%	0.00%
MY-1978	1,744	488	27.98%	17.20%	7.80%	17.09%	8.08%	0.00%
MY-1979	2,088	687	32.90%	21.74%	9.63%	20.07%	9.00%	0.00%
MY-1980	1,158	346	29.88%	20.21%	10.28%	17.44%	6.48%	0.00%
MY-1981	1,362	431	31.64%	23.86%	11.38%	15.64%	7.56%	0.00%
MY-1982	1,654	534	32.29%	24.18%	10.88%	15.66%	8.40%	0.00%
MY-1983	1,951	622	31.88%	24.81%	10.30%	15.99%	6.77%	0.00%
MY-1984	3,899	1,271	32.60%	25.52%	12.34%	16.72%	7.80%	0.00%
MY-1985	5,127	1,552	30.27%	23.37%	10.92%	15.56%	6.57%	0.00%
MY-1986	7,624	2,197	28.82%	21.67%	9.27%	14.89%	5.40%	0.00%
MY-1987	9,112	2,676	29.37%	23.00%	8.89%	14.16%	4.87%	0.00%
MY-1988	10,654	2,885	27.08%	20.40%	7.61%	13.60%	4.27%	0.00%
MY-1989	15,151	3,711	24.49%	17.40%	6.40%	13.00%	3.58%	0.00%
MY-1990	17,421	4,021	23.08%	16.87%	5.86%	11.27%	2.98%	0.00%
MY-1991	22,487	5,020	22.32%	16.27%	5.33%	10.94%	2.67%	0.00%
MY-1992	20,993	4,492	21.40%	15.96%	5.21%	9.65%	2.48%	0.00%
MY-1993	27,627	6,355	23.00%	17.48%	4.23%	9.85%	2.40%	0.00%
MY-1994	30,091	6,183	20.55%	14.53%	3.20%	9.27%	2.31%	0.00%
MY-1995	45,513	7,829	17.20%	11.75%	2.45%	7.84%	1.88%	0.00%
MY-1996	28,923	5,625	19.45%	8.99%	1.43%	13.37%	1.43%	12.52%
MY-1997	55,095	8,128	14.75%	6.16%	0.98%	10.22%	1.05%	9.51%
MY-1998	39,238	5,472	13.95%	5.15%	0.91%	10.05%	1.06%	9.59%
MY-1999	70,580	6,503	9.21%	2.57%	0.45%	7.16%	0.75%	6.84%
MY-2000	40,745	4,278	10.50%	2.55%	0.52%	8.52%	0.77%	8.16%
MY-2001	113,060	8,393	7.42%	1.06%	0.22%	6.49%	0.55%	6.24%
MY-2002	31,106	2,163	6.95%	1.02%	0.23%	5.97%	0.62%	5.73%
MY-2003	122,620	5,895	4.81%	0.59%	0.15%	4.24%	0.34%	4.06%
MY-2004	15,565	556	3.57%	0.57%	0.15%	2.97%	0.24%	2.81%
MY-2005	14,401	489	3.40%	0.33%	0.08%	3.03%	0.16%	2.81%
MY-2006	6,667	230	3.45%	0.30%	0.03%	2.97%	0.30%	2.85%
MY-2007	5,215	152	2.91%	0.19%	0.02%	2.61%	0.13%	2.44%
MY-2008	5,354	84	1.57%	0.13%	0.00%	1.33%	0.13%	1.18%
MY-2009	2,413	33	1.37%	0.37%	0.08%	0.99%	0.17%	0.95%
MY-2010	282	3	1.06%	0.00%	0.00%	1.06%	0.00%	1.06%
All Model Years	779,393	100,024	12.83%	6.57%	1.86%	8.04%	1.40%	4.60%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	412
Certificate of Non Compliance	1
Parts Cost	206
Hardship Extensions	0
Exempt Vehicle	16
Exempted by Directive	83
Parts Exemption	7
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	725

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,073
Stations Locked-Out at Least Once	481
Stations Conducted at Least One Test	7,085

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,769	5,749
EA	Gas Endorsement	10	0
EB	Both Endorsement	51	0
EB	Gas Endorsement	492	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	422,648	48.65	58,037	49.54	480,685	48.76
Test and Repair	137,114	47.04	77,140	47.16	214,254	47.08
Test and Repair Dealer	24	69.00	4,308	52.12	4,332	52.21
Referee	227	30.00	66	30.00	293	30.00
Gold Shield in Enhanced Area	46,302	48.32	7,995	49.44	54,297	48.48
Gold Shield in Basic Area	449	59.24	10,363	39.90	10,812	40.71
Gold Shield in COO Area	333	57.19	3,952	53.73	4,285	54.00

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	6,675	21.86	21,153	207.86
	\$51-150	5,339	100.04		
	\$151-250	3,115	200.33		
	\$251-450	3,485	336.82		
	Over \$450	2,539	755.80		
CAP Repairs	\$1-50	143	21.78	4,928	400.19
	\$51-150	238	107.80		
	\$151-250	475	204.29		
	\$251-450	1,619	355.75		
	Over \$450	2,453	517.88		
Total Repairs	\$1-50	5,476	22.11	22,233	286.47
	\$51-150	3,995	99.94		
	\$151-250	3,052	202.07		
	\$251-450	4,464	343.59		
	Over \$450	5,246	704.96		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,598	400.19

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	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	35	7	1	0	1	6	4	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	19	7	1	2	1	5	3	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	5	2	0	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	5	2	1	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	297	71	10	2	18	40	36	11
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	243	53	9	1	14	26	28	5
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	32,836	7,120	935	344	2,474	3,665	4,472	849
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	93	10	2	34	43	49	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	151	136	20	65	24	72	60	81
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	94,392	9,412	943	440	5,011	3,655	6,698	881
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	340,952	59,492	9,066	2,843	18,606	34,312	34,953	6,240
Acceleration Simulation Mode (ASM)	No Program	Test Only	2	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	57	20	4	3	3	16	8	6
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	22	4	0	0	2	2	2	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,161	794	111	46	262	421	491	96
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	3	2	0	0	3	0	0
Acceleration Simulation Mode (ASM)	Partial	Referee	5	14	3	7	6	8	13	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,412	2,824	390	150	821	1,526	1,738	297
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	11	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,544	1,774	276	83	522	1,056	986	184
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,492	293	35	17	121	145	194	39

	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	Government Fleet	0	52	4	0	16	31	23	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	19	6	1	4	1	2	5	5
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	10,942	1,069	145	68	494	495	696	125
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,871	1,712	279	126	664	958	1,034	227
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,688	1,468	254	91	470	516	1,033	248
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	136	15	2	0	5	5	12	0
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,160	234	40	8	87	89	165	24
Two Speed Idle (TSI)	Basic	Government Fleet	0	10	2	0	4	4	6	0
Two Speed Idle (TSI)	Basic	Referee	23	12	2	9	1	4	4	10
Two Speed Idle (TSI)	Basic	Test and Repair	41,487	4,806	708	268	1,781	1,527	3,618	544
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,048	171	20	7	55	53	117	28
Two Speed Idle (TSI)	Basic	Test Only	7,993	1,205	192	68	444	446	818	166
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	69	17	4	1	3	11	11	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,745	364	96	29	81	185	214	52
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	133	33	6	4	8	15	18	9
Two Speed Idle (TSI)	Change of Ownership	Referee	2	4	1	2	4	1	4	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,418	187	46	12	70	81	135	25
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	44	2	1	0	1	1	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	820	143	36	11	49	68	88	30
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	396	41	5	5	22	10	30	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	481	35	7	1	17	13	24	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,982	524	73	23	287	137	414	55
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	14	1	0	6	4	10	0
Two Speed Idle (TSI)	Enhanced	Referee	26	16	2	10	5	3	7	11
Two Speed Idle (TSI)	Enhanced	Test and Repair	19,373	1,151	114	48	744	214	956	106
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	391	22	1	0	17	1	21	0
Two Speed Idle (TSI)	Enhanced	Test Only	40,724	3,331	440	142	1,995	864	2,555	316

	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 Basic Area	62	3	0	1	1	1	2	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	381	44	8	2	24	14	33	6
Two Speed Idle (TSI)	Partial	Test and Repair	2,009	193	28	11	94	50	143	23
Two Speed Idle (TSI)	Partial	Test Only	1,067	102	23	6	48	40	67	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	400	70	6	8	26	17	54	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	941	117	36	11	41	54	81	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	373	40	8	2	21	11	30	6
Two Speed Idle (TSI)	Unknown Program	Referee	9	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,812	358	46	29	192	94	277	54
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	448	10	1	0	6	2	9	0
Two Speed Idle (TSI)	Unknown Program	Test Only	3,168	202	31	12	127	56	163	22
UnKnown TestType	Basic	Referee	1	12	0	6	0	12	0	6
UnKnown TestType	Change of Ownership	Referee	0	2	0	1	0	2	0	2
UnKnown TestType	Enhanced	Referee	8	50	0	23	1	50	1	23
UnKnown TestType	Enhanced	Test and Repair	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Referee	0	10	0	6	0	10	0	7
UnKnown TestType	Unknown Program	Referee	7	24	0	6	1	24	1	6
UnKnown TestType	Unknown Program	Test Only	0	1	0	0	1	1	1	0