

Executive Summary Report

SMOG CHECK Statewide

August 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	841,204	100,426	11.94%
Total	966,648	128,286	13.27%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	731,282	86.93%	109,922	13.07%
Total	824,584	85.30%	142,064	14.70%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	450,530	86.74%	68,894	13.26%
Total	511,133	85.83%	84,381	14.17%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,817	1.76%
All Emissions	50,137	5.96%
All Visual	11,798	1.40%
All Functional	65,260	7.76%
OBDII	36,603	4.35%
Overall	100,426	11.94%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	279,291	252,026
Directed Vehicles	240,133	198,504
Total	519,424	450,530

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	52,599	45,449
Directed Vehicles	19,282	14,686
Total	71,881	60,135

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,879	271	524	29	0	4,703
Test Only	2,266	43	21	1	0	2,331
Basic Area Dealer	0	1	109	0	0	110
Gold Shield	488	35	61	78	0	662
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	6,949	360	763	111	0	8,183

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	676,623	81,672	12.07%	11,892	1.76%
Partially Enhanced	40,927	5,750	14.05%	838	2.05%
Basic	76,230	8,295	10.88%	1,327	1.74%
Change of Ownership	5,281	731	13.84%	202	3.83%
No Program	6	2	33.33%	0	0.00%
Unknown Program	42,137	3,976	9.44%	558	1.32%
Total Program Area	841,204	100,426	11.94%	14,817	1.76%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	519,424	67,508	13.00%	10,512	2.02%
Regular	243,008	20,942	8.62%	2,506	1.03%
Basic Area Dealer	4,128	183	4.43%	21	0.51%
Gold Shield in Enhanced Area	55,454	8,878	16.01%	1,261	2.27%
Gold Shield in Basic Area	11,911	1,796	15.08%	297	2.49%
Gold Shield in COO Area	4,516	547	12.11%	153	3.39%
Business Fleet	4	0	0.00%	0	0.00%
Permanent Fleet Registered	91	1	1.10%	0	0.00%
Referee	660	389	58.94%	53	8.03%
Government Fleet	2,006	182	9.07%	14	0.70%
Unknown Privilege	2	0	0.00%	0	0.00%
Total	841,204	100,426	11.94%	14,817	1.76%

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-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	3	1	33.33%	33.33%	33.33%	33.33%	33.33%	0.00%
MY-1971	2	1	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%
MY-1972	2	1	50.00%	50.00%	50.00%	50.00%	50.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1975	4	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	1,170	372	31.79%	21.88%	10.60%	18.72%	9.06%	0.00%
MY-1977	1,671	508	30.40%	18.79%	9.63%	19.45%	8.92%	0.00%
MY-1978	1,810	524	28.95%	18.07%	8.62%	17.51%	7.62%	0.00%
MY-1979	2,019	608	30.11%	20.85%	10.90%	18.28%	8.67%	0.00%
MY-1980	1,285	380	29.57%	20.70%	11.21%	17.12%	8.95%	0.00%
MY-1981	1,437	437	30.41%	22.83%	10.93%	17.40%	7.52%	0.00%
MY-1982	1,709	465	27.21%	20.60%	9.48%	14.80%	6.96%	0.00%
MY-1983	2,396	702	29.30%	22.54%	10.10%	16.11%	8.01%	0.00%
MY-1984	4,227	1,242	29.38%	22.71%	11.26%	16.04%	6.51%	0.00%
MY-1985	5,815	1,630	28.03%	21.87%	9.94%	14.91%	6.14%	0.00%
MY-1986	8,677	2,338	26.94%	19.67%	8.75%	15.05%	5.50%	0.00%
MY-1987	9,687	2,700	27.87%	21.36%	9.10%	14.30%	5.19%	0.00%
MY-1988	11,926	3,048	25.56%	18.87%	7.24%	13.58%	4.39%	0.00%
MY-1989	16,604	3,820	23.01%	16.59%	5.88%	12.53%	3.69%	0.00%
MY-1990	19,489	4,341	22.27%	16.53%	5.68%	11.60%	3.06%	0.00%
MY-1991	23,110	4,840	20.94%	15.32%	4.85%	10.75%	2.56%	0.00%
MY-1992	23,125	4,677	20.22%	14.47%	4.74%	10.17%	2.59%	0.00%
MY-1993	29,316	6,285	21.44%	16.15%	4.10%	9.76%	2.41%	0.00%
MY-1994	30,987	6,014	19.41%	13.60%	3.21%	9.30%	2.47%	0.00%
MY-1995	48,526	7,546	15.55%	10.26%	2.30%	7.57%	1.88%	0.00%
MY-1996	33,014	5,968	18.08%	7.98%	1.28%	12.69%	1.45%	11.83%
MY-1997	60,012	8,112	13.52%	5.25%	0.89%	9.77%	1.07%	9.12%
MY-1998	43,915	5,666	12.90%	4.32%	0.82%	9.80%	1.07%	9.36%
MY-1999	77,705	6,546	8.42%	2.08%	0.36%	6.74%	0.74%	6.42%
MY-2000	43,261	4,258	9.84%	2.14%	0.49%	8.20%	0.75%	7.88%
MY-2001	119,191	8,123	6.82%	0.88%	0.18%	6.00%	0.48%	5.79%
MY-2002	31,714	2,085	6.57%	0.91%	0.23%	5.75%	0.51%	5.49%
MY-2003	138,928	5,663	4.08%	0.41%	0.11%	3.61%	0.32%	3.46%
MY-2004	14,228	536	3.77%	0.46%	0.08%	3.29%	0.31%	3.09%
MY-2005	15,269	523	3.43%	0.33%	0.07%	3.06%	0.16%	2.93%
MY-2006	6,873	200	2.91%	0.26%	0.04%	2.65%	0.20%	2.55%
MY-2007	5,047	142	2.81%	0.10%	0.02%	2.50%	0.26%	2.40%
MY-2008	4,887	91	1.86%	0.20%	0.00%	1.51%	0.14%	1.43%
MY-2009	2,001	30	1.50%	0.45%	0.15%	1.00%	0.30%	0.95%
MY-2010	158	3	1.90%	0.00%	0.00%	1.90%	0.00%	1.90%
All Model Years	841,204	100,426	11.94%	5.96%	1.76%	7.76%	1.40%	4.35%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	496
Certificate of Non Compliance	0
Parts Cost	197
Hardship Extensions	88
Exempt Vehicle	22
Exempted by Directive	106
Parts Exemption	14
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	923

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,104
Stations Locked-Out at Least Once	350
Stations Conducted at Least One Test	7,079

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,898	5,906
EA	Gas Endorsement	10	0
EB	Both Endorsement	49	0
EB	Gas Endorsement	499	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	455,020	48.68	59,614	49.48	514,634	48.77
Test and Repair	156,818	46.88	83,212	47.03	240,030	46.93
Test and Repair Dealer	29	80.24	4,099	52.83	4,128	53.02
Referee	249	30.00	74	30.00	323	30.00
Gold Shield in Enhanced Area	47,539	48.57	7,804	50.27	55,343	48.81
Gold Shield in Basic Area	457	64.48	11,454	37.96	11,911	38.97
Gold Shield in COO Area	206	65.90	4,310	50.99	4,516	51.67

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	6,891	21.92	21,654	212.46
	\$51-150	5,284	100.36		
	\$151-250	3,222	199.23		
	\$251-450	3,614	337.20		
	Over \$450	2,643	778.92		
CAP Repairs	\$1-50	130	24.58	4,706	407.98
	\$51-150	218	107.10		
	\$151-250	429	205.95		
	\$251-450	1,542	356.13		
	Over \$450	2,387	526.15		
Total Repairs	\$1-50	5,704	22.05	22,648	287.91
	\$51-150	4,043	99.84		
	\$151-250	3,097	200.81		
	\$251-450	4,555	343.64		
	Over \$450	5,249	724.72		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,439	407.98

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	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	35	4	0	0	1	3	2	0

	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	6	1	1	1	4	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	307	69	11	3	19	35	40	12
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	164	28	2	1	12	12	18	3
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	34,560	6,921	969	355	2,458	3,600	4,364	817
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	64	3	0	38	24	43	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	155	194	35	92	52	91	102	120
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	112,435	9,872	947	534	5,424	3,598	7,280	1,052
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	372,232	59,140	9,257	3,164	18,809	33,158	36,738	6,888
Acceleration Simulation Mode (ASM)	No Program	Test Only	3	2	0	1	1	1	2	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	63	15	4	0	7	8	10	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	7	3	0	1	1	2	1	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,219	824	110	42	281	427	531	92
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	3	0	0	0	3	0	0
Acceleration Simulation Mode (ASM)	Partial	Referee	9	10	5	4	0	7	6	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,998	2,816	406	141	876	1,527	1,744	303
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,303	1,750	257	104	575	958	1,079	185
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	2	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,450	269	45	20	97	155	182	46
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	83	5	1	21	54	34	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	19	14	3	5	3	6	10	7

	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 and Repair	11,701	1,044	109	66	514	457	724	123
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,443	1,667	242	94	686	921	1,047	198
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	8,700	1,562	253	107	476	529	1,044	312
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	245	20	3	0	6	9	11	1
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,125	225	42	13	91	84	155	31
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	1	1	2	4	4	1
Two Speed Idle (TSI)	Basic	Referee	30	27	5	10	5	10	19	14
Two Speed Idle (TSI)	Basic	Test and Repair	44,874	5,156	771	255	1,817	1,709	3,785	552
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,045	153	18	3	49	45	108	12
Two Speed Idle (TSI)	Basic	Test Only	8,369	1,123	233	63	383	436	734	148
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	79	30	5	6	9	11	22	10
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,908	341	108	22	87	179	202	47
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	129	27	8	2	8	13	20	5
Two Speed Idle (TSI)	Change of Ownership	Government Fleet	0	2	1	0	1	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,432	168	42	11	61	77	118	20
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	26	1	1	0	0	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	887	152	37	11	35	84	86	25
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	429	43	5	3	14	15	31	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	505	34	7	1	19	11	25	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,966	533	73	24	281	141	421	57
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	15	4	0	5	8	8	0
Two Speed Idle (TSI)	Enhanced	Referee	34	21	5	10	9	7	14	12
Two Speed Idle (TSI)	Enhanced	Test and Repair	21,706	1,268	134	76	786	275	1,012	141
Two Speed Idle (TSI)	Enhanced	Test Only	41,935	3,378	440	153	1,967	928	2,559	318
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	52	4	0	0	1	2	3	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	52	4	2	1	1	2	1	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	338	42	8	1	17	17	32	5
Two Speed Idle (TSI)	Partial	Test and Repair	2,210	192	30	7	96	57	144	18

	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 and Repair Dealer	44	2	0	0	2	1	2	0
Two Speed Idle (TSI)	Partial	Test Only	1,093	81	16	3	44	27	60	9
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	406	73	19	11	29	27	56	21
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,036	115	31	12	37	54	70	22
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	386	36	6	3	26	7	33	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	6	0	0	4	2	4	0
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,007	420	67	29	218	130	323	48
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	340	11	2	1	5	4	7	2
Two Speed Idle (TSI)	Unknown Program	Test Only	3,241	208	29	20	118	60	159	26
UnKnown TestType	Basic	Referee	2	9	0	6	0	9	0	6
UnKnown TestType	Change of Ownership	Referee	0	4	0	1	0	4	0	1
UnKnown TestType	Enhanced	Referee	6	76	0	41	0	76	0	43
UnKnown TestType	Partial	Referee	0	3	0	0	0	3	0	0
UnKnown TestType	Unknown Program	Referee	8	25	0	11	0	25	0	12