

Executive Summary Report

SMOG CHECK Statewide

September 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	717,959	88,971	12.39%
Total	842,273	118,484	14.07%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	617,082	85.95%	100,877	14.05%
Total	706,428	83.87%	135,845	16.13%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	370,014	86.02%	60,125	13.98%
Total	426,634	84.71%	77,000	15.29%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	15,352	2.14%
All Emissions	50,212	6.99%
All Visual	9,890	1.38%
All Functional	53,602	7.47%
OBDII	27,251	3.80%
Overall	88,971	12.39%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	207,040	184,354
Directed Vehicles	223,099	185,660
Total	430,139	370,014

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	35,326	30,243
Directed Vehicles	8,464	6,493
Total	43,790	36,736

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,563	290	542	39	0	5,434
Test Only	2,100	44	22	1	0	2,167
Basic Area Dealer	0	1	118	0	0	119
Gold Shield	413	26	62	76	0	577
Business Fleet	4	1	0	0	0	5
Permanent Fleet Registered	35	1	5	0	0	41
Referee	35	0	6	1	0	42
Government Fleet	242	9	37	2	0	290
Unknown Type	1	0	0	0	0	1
Total	7,393	372	792	119	0	8,676

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	570,406	71,894	12.60%	12,145	2.13%
Partially Enhanced	33,765	4,891	14.49%	821	2.43%
Basic	66,105	7,450	11.27%	1,510	2.28%
Change of Ownership	5,281	730	13.82%	231	4.37%
No Program	8	1	12.50%	0	0.00%
Unknown Program	42,394	4,005	9.45%	645	1.52%
Total Program Area	717,959	88,971	12.39%	15,352	2.14%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	430,139	58,760	13.66%	10,694	2.49%
Regular	236,928	22,895	9.66%	3,383	1.43%
Basic Area Dealer	4,619	234	5.07%	29	0.63%
Gold Shield in Enhanced Area	34,328	5,232	15.24%	823	2.40%
Gold Shield in Basic Area	5,838	920	15.76%	204	3.49%
Gold Shield in COO Area	3,624	493	13.60%	150	4.14%
Business Fleet	13	0	0.00%	0	0.00%
Permanent Fleet Registered	58	8	13.79%	1	1.72%
Referee	622	269	43.25%	53	8.52%
Government Fleet	1,789	160	8.94%	15	0.84%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	717,959	88,971	12.39%	15,352	2.14%

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-1966	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%
MY-1969	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	2	1	50.00%	50.00%	50.00%	50.00%	50.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	6	1	16.67%	16.67%	0.00%	0.00%	0.00%	0.00%
MY-1975	17	5	29.41%	29.41%	17.65%	11.76%	5.88%	0.00%
MY-1976	1,245	339	27.23%	22.17%	10.60%	13.33%	8.43%	0.00%
MY-1977	1,916	495	25.84%	19.10%	9.03%	13.36%	7.99%	0.00%
MY-1978	2,062	543	26.33%	19.69%	9.31%	13.82%	7.13%	0.00%
MY-1979	2,593	719	27.73%	22.48%	11.07%	13.31%	7.91%	0.00%
MY-1980	1,503	415	27.61%	21.22%	10.71%	14.84%	8.45%	0.00%
MY-1981	1,683	478	28.40%	22.70%	11.41%	15.33%	8.20%	0.00%
MY-1982	2,098	601	28.65%	23.40%	11.39%	15.63%	7.24%	0.00%
MY-1983	2,699	782	28.97%	24.16%	10.78%	14.71%	7.45%	0.00%
MY-1984	5,152	1,566	30.40%	25.60%	12.79%	16.17%	7.41%	0.00%
MY-1985	7,060	1,952	27.65%	23.06%	10.95%	13.92%	5.71%	0.00%
MY-1986	11,258	2,931	26.03%	20.72%	9.34%	13.73%	5.34%	0.00%
MY-1987	12,305	3,187	25.90%	21.06%	8.61%	12.73%	4.59%	0.00%
MY-1988	14,887	3,555	23.88%	19.27%	7.51%	11.54%	3.86%	0.00%
MY-1989	20,392	4,256	20.87%	16.24%	5.81%	10.20%	3.07%	0.00%
MY-1990	22,631	4,397	19.43%	15.12%	5.09%	8.94%	2.59%	0.00%
MY-1991	27,767	4,898	17.64%	13.78%	4.27%	7.67%	1.93%	0.00%
MY-1992	26,044	4,214	16.18%	12.72%	3.96%	6.86%	1.74%	0.00%
MY-1993	33,867	5,933	17.52%	14.19%	3.25%	6.79%	1.71%	0.00%
MY-1994	34,059	4,930	14.47%	11.11%	2.40%	5.68%	1.60%	0.00%
MY-1995	54,353	6,360	11.70%	8.53%	1.79%	4.65%	1.30%	0.00%
MY-1996	31,805	5,524	17.37%	6.88%	1.11%	12.79%	1.10%	11.54%
MY-1997	62,875	7,533	11.98%	4.07%	0.66%	9.14%	0.74%	8.26%
MY-1998	41,339	4,751	11.49%	3.36%	0.57%	9.12%	0.62%	8.39%
MY-1999	77,826	5,665	7.28%	1.56%	0.27%	5.98%	0.47%	5.52%
MY-2000	34,878	2,804	8.04%	1.52%	0.35%	6.90%	0.48%	6.36%
MY-2001	122,830	7,901	6.43%	0.67%	0.15%	5.91%	0.32%	5.46%
MY-2002	17,729	856	4.83%	0.52%	0.09%	4.29%	0.23%	3.80%
MY-2003	18,916	649	3.43%	0.31%	0.12%	3.09%	0.17%	2.59%
MY-2004	7,734	289	3.74%	0.21%	0.08%	3.47%	0.19%	2.84%
MY-2005	5,804	159	2.74%	0.16%	0.05%	2.55%	0.09%	2.05%
MY-2006	5,402	156	2.89%	0.22%	0.07%	2.61%	0.07%	2.15%
MY-2007	4,945	119	2.41%	0.22%	0.10%	2.18%	0.04%	1.80%
MY-2008	273	4	1.47%	0.37%	0.00%	1.10%	0.00%	1.10%
MY-2009	1	1	100.00%	0.00%	0.00%	100.00%	0.00%	100.00%
All Model Years	717,959	88,971	12.39%	6.99%	2.14%	7.47%	1.38%	3.80%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	572
Certificate of Non Compliance	3
Parts Cost	85
Hardship Extensions	157
Exempt Vehicle	20
Exempted by Directive	105
Parts Exemption	3
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	945

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,182
Stations Locked-Out at Least Once	361
Stations Conducted at Least One Test	7,494

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,376	5,920
EA	Gas Endorsement	15	0
EB	Both Endorsement	56	0
EB	Gas Endorsement	549	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	386,953	47.97	40,791	48.10	427,744	47.98
Test and Repair	160,873	46.44	74,643	44.28	235,516	45.75
Test and Repair Dealer	8	49.25	4,620	46.29	4,628	46.30
Referee	349	30.00	143	30.00	492	30.00
Gold Shield in Enhanced Area	26,347	46.90	8,148	42.86	34,495	45.94
Gold Shield in Basic Area	0	0.00	5,924	32.13	5,924	32.13
Gold Shield in COO Area	25	61.08	3,650	48.89	3,675	48.97

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	6,640	22.34	21,681	208.86
	\$51-150	5,514	100.81		
	\$151-250	3,468	198.98		
	\$251-450	3,715	334.66		
	Over \$450	2,344	806.69		
CAP Repairs	\$1-50	173	26.76	3,291	333.34
	\$51-150	363	107.37		
	\$151-250	532	204.66		
	\$251-450	1,245	351.18		
	Over \$450	978	518.75		
Total Repairs	\$1-50	5,898	22.56	22,572	249.22
	\$51-150	4,647	100.90		
	\$151-250	3,693	199.92		
	\$251-450	4,785	340.25		
	Over \$450	3,549	748.66		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,972	333.34

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	44	13	3	0	6	7	9	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	41	5	1	1	1	4	2	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	Referee	0	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	4	2	1	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	18,517	3,581	549	205	1,172	1,905	2,195	445
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	85	8	1	38	40	47	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	193	174	26	70	36	92	101	92
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	111,724	12,123	1,457	617	5,393	5,418	8,392	1,087
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	312,029	51,939	9,472	2,882	13,355	33,051	29,353	5,760
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	1,910	462	82	22	131	289	258	65
Acceleration Simulation Mode (ASM)	Partial	Referee	6	19	5	11	4	11	11	17
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,016	2,697	432	157	723	1,622	1,526	303
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	4	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,201	1,466	249	91	383	890	815	179
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,277	207	28	15	73	123	125	30
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	44	4	0	12	29	15	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	53	22	5	8	2	11	15	11
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	12,892	1,272	175	69	530	613	831	134
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,158	1,581	280	97	572	900	952	194
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,152	830	191	65	191	390	502	113
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	166	18	3	2	8	6	12	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,633	596	91	38	171	202	419	80
Two Speed Idle (TSI)	Basic	Government Fleet	0	3	0	0	1	2	1	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
Two Speed Idle (TSI)	Basic	Referee	27	17	3	7	3	5	10	9
Two Speed Idle (TSI)	Basic	Test and Repair	38,432	4,732	972	282	1,356	1,996	3,141	601
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,281	190	27	6	66	62	132	15
Two Speed Idle (TSI)	Basic	Test Only	6,948	1,046	219	74	298	468	630	167
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	40	10	2	0	5	3	7	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,663	336	115	25	57	210	186	46
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	93	17	5	0	8	6	15	1
Two Speed Idle (TSI)	Change of Ownership	Referee	2	4	2	0	0	3	3	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,831	240	66	17	72	128	157	24
Two Speed Idle (TSI)	Change of Ownership	Test Only	761	119	39	10	34	66	67	17
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	318	35	4	5	20	7	31	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	330	30	3	1	13	12	20	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,647	281	52	15	126	96	195	42
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	25	3	1	10	10	14	1
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	26	5	1	0	0	4	1	2
Two Speed Idle (TSI)	Enhanced	Referee	43	18	4	6	4	4	11	9
Two Speed Idle (TSI)	Enhanced	Test and Repair	18,856	1,231	177	52	669	335	955	107
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	368	21	1	0	18	2	20	0
Two Speed Idle (TSI)	Enhanced	Test Only	26,343	2,343	388	93	1,210	784	1,629	191
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	31	4	1	0	2	1	3	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	37	3	0	0	2	1	3	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	197	23	6	0	11	9	20	2
Two Speed Idle (TSI)	Partial	Test and Repair	1,609	138	30	9	48	65	86	12
Two Speed Idle (TSI)	Partial	Test Only	736	76	16	4	28	32	47	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	326	41	6	3	13	13	28	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	853	105	29	8	31	57	60	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	517	65	10	7	22	24	39	11
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	2	0	0	0	2	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	33	14	7	4	1	8	4	5

	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	5,282	449	71	25	202	133	344	54
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	495	20	1	0	12	2	17	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,789	182	29	9	100	55	138	15