

Executive Summary Report

SMOG CHECK Statewide

March 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	879,668	108,829	12.37%
Total	1,034,929	145,525	14.06%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	751,988	85.49%	127,680	14.51%
Total	863,225	83.41%	171,704	16.59%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	439,734	85.48%	74,706	14.52%
Total	510,535	84.12%	96,346	15.88%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	19,143	2.18%
All Emissions	62,018	7.05%
All Visual	12,363	1.41%
All Functional	65,207	7.41%
OBDII	32,350	3.68%
Overall	108,829	12.37%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	248,219	220,669
Directed Vehicles	266,221	219,065
Total	514,440	439,734

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	43,515	37,403
Directed Vehicles	230	18
Total	43,745	37,421

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,713	285	533	40	0	5,571
Test Only	2,063	40	19	1	0	2,123
Basic Area Dealer	1	1	120	0	0	122
Gold Shield	416	26	60	75	0	577
Business Fleet	5	1	0	0	0	6
Permanent Fleet Registered	36	1	6	0	0	43
Referee	34	0	6	1	0	41
Government Fleet	242	9	36	2	0	289
Unknown Type	1	0	0	0	0	1
Total	7,511	363	780	119	0	8,773

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	701,175	88,235	12.58%	15,235	2.17%
Partially Enhanced	41,396	5,918	14.30%	996	2.41%
Basic	78,689	8,759	11.13%	1,889	2.40%
Change of Ownership	6,574	879	13.37%	230	3.50%
No Program	5	0	0.00%	0	0.00%
Unknown Program	51,829	5,038	9.72%	793	1.53%
Total Program Area	879,668	108,829	12.37%	19,143	2.18%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	514,440	72,914	14.17%	13,644	2.65%
Regular	309,194	29,132	9.42%	4,355	1.41%
Basic Area Dealer	6,219	331	5.32%	60	0.96%
Gold Shield in Enhanced Area	31,126	3,840	12.34%	554	1.78%
Gold Shield in Basic Area	8,062	1,122	13.92%	263	3.26%
Gold Shield in COO Area	4,557	591	12.97%	154	3.38%
Business Fleet	92	8	8.70%	0	0.00%
Permanent Fleet Registered	70	5	7.14%	2	2.86%
Referee	893	432	48.38%	82	9.18%
Government Fleet	5,014	454	9.05%	29	0.58%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	879,668	108,829	12.37%	19,143	2.18%

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-1966	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1969	2	1	50.00%	50.00%	0.00%	0.00%	50.00%	0.00%
MY-1970	5	2	40.00%	20.00%	0.00%	20.00%	0.00%	0.00%
MY-1974	10	3	30.00%	30.00%	10.00%	20.00%	10.00%	0.00%
MY-1975	22	3	13.64%	9.09%	4.55%	9.09%	0.00%	0.00%
MY-1976	1,858	522	28.09%	21.69%	10.66%	14.85%	9.10%	0.00%
MY-1977	2,481	630	25.39%	18.22%	8.63%	13.18%	7.46%	0.00%
MY-1978	2,835	698	24.62%	18.24%	8.89%	12.56%	7.97%	0.00%
MY-1979	3,211	880	27.41%	21.46%	10.28%	14.23%	8.25%	0.00%
MY-1980	2,014	569	28.25%	22.00%	11.57%	17.08%	8.84%	0.00%
MY-1981	2,469	653	26.45%	21.59%	9.84%	14.09%	7.82%	0.00%
MY-1982	2,895	827	28.57%	23.49%	10.60%	14.34%	7.70%	0.00%
MY-1983	3,898	1,117	28.66%	23.06%	11.03%	14.57%	7.03%	0.00%
MY-1984	7,159	2,128	29.72%	24.42%	11.98%	15.06%	6.91%	0.00%
MY-1985	9,435	2,674	28.34%	23.02%	11.15%	14.62%	6.43%	0.00%
MY-1986	13,314	3,387	25.44%	20.14%	9.09%	13.23%	4.89%	0.00%
MY-1987	16,180	4,299	26.57%	21.34%	8.52%	12.79%	4.86%	0.00%
MY-1988	19,434	4,622	23.78%	19.16%	7.18%	11.54%	3.68%	0.00%
MY-1989	25,360	5,123	20.20%	15.95%	5.55%	9.81%	2.97%	0.00%
MY-1990	29,896	5,744	19.21%	15.21%	5.16%	8.89%	2.37%	0.00%
MY-1991	33,233	5,849	17.60%	13.85%	4.54%	7.88%	1.90%	0.00%
MY-1992	33,150	5,382	16.24%	12.71%	3.95%	6.91%	1.80%	0.00%
MY-1993	38,231	6,834	17.88%	14.56%	3.31%	6.77%	1.83%	0.00%
MY-1994	43,409	6,347	14.62%	11.33%	2.43%	5.59%	1.71%	0.00%
MY-1995	62,250	7,243	11.64%	8.53%	1.65%	4.49%	1.22%	0.00%
MY-1996	38,707	7,022	18.14%	7.13%	1.08%	13.65%	1.05%	12.37%
MY-1997	75,245	8,891	11.82%	3.98%	0.69%	9.02%	0.75%	8.19%
MY-1998	54,389	5,948	10.94%	3.03%	0.53%	8.81%	0.61%	8.03%
MY-1999	100,160	6,999	6.99%	1.47%	0.29%	5.77%	0.46%	5.22%
MY-2000	47,682	3,951	8.29%	1.30%	0.31%	7.28%	0.45%	6.68%
MY-2001	137,165	7,818	5.70%	0.51%	0.13%	5.24%	0.28%	4.77%
MY-2002	21,742	983	4.52%	0.44%	0.13%	4.08%	0.26%	3.58%
MY-2003	25,572	843	3.30%	0.31%	0.11%	2.97%	0.12%	2.45%
MY-2004	8,667	289	3.33%	0.24%	0.09%	3.05%	0.24%	2.60%
MY-2005	6,705	226	3.37%	0.28%	0.09%	3.03%	0.21%	2.65%
MY-2006	8,085	247	3.06%	0.15%	0.05%	2.88%	0.09%	2.51%
MY-2007	2,787	74	2.66%	0.18%	0.11%	2.44%	0.18%	2.19%
MY-2008	7	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2009	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	879,668	108,829	12.37%	7.05%	2.18%	7.41%	1.41%	3.68%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	735
Certificate of Non Compliance	1
Parts Cost	109
Hardship Extensions	141
Exempt Vehicle	62
Exempted by Directive	146
Parts Exemption	4
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,198

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,204
Stations Locked-Out at Least Once	398
Stations Conducted at Least One Test	7,569

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,640	6,238
EA	Gas Endorsement	16	0
EB	Both Endorsement	54	0
EB	Gas Endorsement	563	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	466,660	48.13	45,710	48.50	512,370	48.17
Test and Repair	215,467	46.49	90,956	44.32	306,423	45.85
Test and Repair Dealer	20	60.50	6,221	47.95	6,241	47.99
Referee	559	30.00	234	30.00	793	30.00
Gold Shield in Enhanced Area	23,516	46.26	7,860	41.72	31,376	45.12
Gold Shield in Basic Area	23	59.22	8,084	33.69	8,107	33.76
Gold Shield in COO Area	27	56.81	4,597	47.43	4,624	47.48

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	8,067	22.31	26,516	204.63
	\$51-150	6,839	100.43		
	\$151-250	4,430	199.36		
	\$251-450	4,397	334.39		
	Over \$450	2,783	792.50		
CAP Repairs	\$1-50	165	25.55	3,645	327.41
	\$51-150	430	104.51		
	\$151-250	663	203.38		
	\$251-450	1,373	345.97		
	Over \$450	1,014	527.02		
Total Repairs	\$1-50	7,304	22.50	27,563	240.15
	\$51-150	5,906	100.62		
	\$151-250	4,693	199.86		
	\$251-450	5,590	338.89		
	Over \$450	4,070	744.04		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,259	327.41

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	46	12	2	0	5	4	10	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	39	6	2	1	0	4	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	Referee	0	1	0	1	0	1	0	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	36	6	0	0	1	3	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	16,131	2,090	214	110	1,034	832	1,497	216
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	141	1	1	74	51	95	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	248	292	53	128	58	168	158	169
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	153,105	15,718	1,937	805	6,775	6,982	10,923	1,457
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	8	2	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	374,552	65,024	12,114	3,759	15,916	41,947	36,429	7,412
Acceleration Simulation Mode (ASM)	Partial	Business-Fleet	20	2	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,529	558	84	32	158	346	313	63
Acceleration Simulation Mode (ASM)	Partial	Referee	9	18	4	6	5	9	10	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,270	3,236	519	200	836	1,958	1,806	373
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,111	1,766	315	126	467	1,096	957	239
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,251	251	37	13	103	124	154	27
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	262	15	0	65	183	89	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	46	38	6	16	18	15	29	20
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	16,755	1,672	226	123	679	805	1,086	195
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,058	1,811	343	120	629	1,050	1,091	233
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,842	1,000	246	61	224	494	593	133
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	236	40	5	1	11	17	27	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,173	493	113	32	165	202	324	66

	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	Government Fleet	0	9	1	0	4	4	5	0
Two Speed Idle (TSI)	Basic	Referee	43	35	9	14	7	13	23	21
Two Speed Idle (TSI)	Basic	Test and Repair	45,874	5,769	1,196	349	1,568	2,458	3,821	732
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,376	262	57	10	80	111	158	29
Two Speed Idle (TSI)	Basic	Test Only	7,762	1,133	258	83	323	538	662	148
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	97	15	3	2	5	7	12	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,145	377	110	18	85	207	211	47
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	133	26	8	2	5	15	17	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,230	314	68	23	91	139	211	47
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	57	4	1	0	1	3	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	871	136	40	9	29	77	73	20
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	467	43	7	2	19	11	33	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	431	50	9	2	17	18	31	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,830	330	78	21	136	134	215	38
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	36	10	0	12	17	20	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	24	2	2	0	0	2	0	0
Two Speed Idle (TSI)	Enhanced	Referee	60	29	3	15	8	7	15	18
Two Speed Idle (TSI)	Enhanced	Test and Repair	24,282	1,675	280	100	810	517	1,226	187
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	548	26	0	1	19	1	24	1
Two Speed Idle (TSI)	Enhanced	Test Only	29,704	2,766	527	133	1,307	1,000	1,859	252
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	45	7	1	0	5	1	7	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	223	38	9	0	12	17	21	2
Two Speed Idle (TSI)	Partial	Referee	1	2	1	0	0	2	1	1
Two Speed Idle (TSI)	Partial	Test and Repair	1,898	201	45	15	76	79	140	30
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	63	5	0	0	3	1	4	0
Two Speed Idle (TSI)	Partial	Test Only	789	80	18	5	27	33	45	14
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	346	57	6	4	25	15	45	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	982	118	30	9	33	54	80	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	469	54	11	3	23	16	41	6

	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	Government Fleet	0	5	2	0	1	4	1	0
Two Speed Idle (TSI)	Unknown Program	Referee	53	11	6	3	2	6	7	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,046	535	82	41	249	165	412	77
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	638	31	2	1	22	4	26	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,840	192	27	14	115	49	149	17