

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2006

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,450,856	317,954	12.97%
Total	2,914,738	428,629	14.71%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,073,462	84.60%	377,394	15.40%
Total	2,402,050	82.41%	512,688	17.59%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,148,502	84.70%	207,437	15.30%
Total	1,346,299	83.34%	269,104	16.66%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	60,147	2.45%
All Emissions	194,034	7.92%
All Visual	35,882	1.46%
All Functional	183,162	7.47%
OBDII	78,724	3.21%
Overall	317,954	12.97%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	619,602	544,973
Directed Vehicles	736,337	603,529
Total	1,355,939	1,148,502

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	133,039	113,775
Directed Vehicles	850	63
Total	133,889	113,838

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	5,041	289	535	52	2	5,919
Test Only	2,043	38	16	2	0	2,099
Basic Area Dealer	1	1	123	0	0	125
Gold Shield	470	27	59	70	0	626
Business Fleet	7	1	0	0	0	8
Permanent Fleet Registered	46	2	8	0	0	56
Referee	33	1	6	1	0	41
Government Fleet	240	8	36	2	0	286
Unknown Type	0	0	0	0	0	0
Total	7,881	367	783	127	2	9,160

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,937,065	256,958	13.27%	47,770	2.47%
Partially Enhanced	114,540	17,105	14.93%	3,192	2.79%
Basic	214,074	24,558	11.47%	5,608	2.62%
Change of Ownership	17,926	2,499	13.94%	753	4.20%
No Program	13	0	0.00%	0	0.00%
Unknown Program	167,238	16,834	10.07%	2,824	1.69%
Total Program Area	2,450,856	317,954	12.97%	60,147	2.45%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,355,939	201,829	14.88%	41,657	3.07%
Regular	927,937	95,403	10.28%	14,894	1.61%
Basic Area Dealer	17,529	984	5.61%	134	0.76%
Gold Shield in Enhanced Area	101,729	12,911	12.69%	1,985	1.95%
Gold Shield in Basic Area	18,425	2,745	14.90%	613	3.33%
Gold Shield in COO Area	11,964	1,465	12.25%	436	3.64%
Business Fleet	77	11	14.29%	2	2.60%
Permanent Fleet Registered	561	43	7.66%	5	0.89%
Referee	2,560	1,200	46.88%	254	9.92%
Government Fleet	12,362	1,078	8.72%	104	0.84%
Unknown Privilege	2	1	50.00%	0	0.00%
Total	2,450,856	317,954	12.97%	60,147	2.45%

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-1931	1	1	100.00%	100.00%	100.00%	0.00%	100.00%	0.00%
MY-1934	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1954	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1955	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	6	2	33.33%	33.33%	33.33%	0.00%	0.00%	0.00%
MY-1966	3	1	33.33%	33.33%	33.33%	0.00%	0.00%	0.00%
MY-1967	2	1	50.00%	50.00%	50.00%	0.00%	0.00%	0.00%
MY-1969	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	4	3	75.00%	25.00%	25.00%	50.00%	50.00%	0.00%
MY-1974	43	6	13.95%	6.98%	4.65%	11.63%	4.65%	0.00%
MY-1975	113	33	29.20%	20.35%	10.62%	15.93%	10.62%	0.00%
MY-1976	5,375	1,449	26.96%	20.43%	8.97%	14.42%	7.78%	0.00%
MY-1977	7,796	1,974	25.32%	18.41%	8.20%	14.06%	7.81%	0.00%
MY-1978	9,189	2,402	26.14%	19.34%	9.07%	14.34%	7.82%	0.00%
MY-1979	10,293	2,864	27.82%	21.72%	10.24%	14.66%	8.37%	0.00%
MY-1980	6,653	1,901	28.57%	23.03%	11.53%	15.60%	8.49%	0.00%
MY-1981	7,815	2,339	29.93%	24.85%	11.58%	15.62%	8.28%	0.00%
MY-1982	9,486	2,819	29.72%	24.50%	11.33%	15.59%	7.94%	0.00%
MY-1983	12,679	3,912	30.85%	25.22%	11.43%	15.81%	7.42%	0.00%
MY-1984	23,913	7,213	30.16%	25.01%	12.05%	15.92%	7.20%	0.00%
MY-1985	33,028	9,536	28.87%	23.78%	10.93%	15.04%	6.14%	0.00%
MY-1986	44,460	11,741	26.41%	20.90%	9.44%	13.94%	5.16%	0.00%
MY-1987	54,349	14,855	27.33%	22.43%	9.02%	13.42%	4.59%	0.00%
MY-1988	64,709	15,879	24.54%	19.74%	7.44%	12.05%	3.68%	0.00%
MY-1989	84,700	17,945	21.19%	16.48%	5.84%	10.54%	2.97%	0.00%
MY-1990	96,555	18,802	19.47%	15.32%	5.07%	8.99%	2.15%	0.00%
MY-1991	104,475	18,471	17.68%	13.87%	4.36%	7.98%	1.72%	0.00%
MY-1992	103,815	16,669	16.06%	12.43%	3.71%	7.01%	1.60%	0.00%
MY-1993	122,619	21,050	17.17%	14.04%	3.04%	6.46%	1.53%	0.00%
MY-1994	145,828	19,478	13.36%	10.28%	2.06%	5.06%	1.34%	0.00%
MY-1995	140,244	17,382	12.39%	9.26%	1.90%	4.73%	1.29%	0.00%
MY-1996	189,385	26,527	14.01%	5.36%	0.76%	10.19%	0.77%	9.22%
MY-1997	155,935	20,678	13.26%	4.62%	0.79%	10.10%	0.70%	9.10%
MY-1998	241,267	19,547	8.10%	2.28%	0.39%	6.33%	0.45%	5.76%
MY-1999	172,590	13,430	7.78%	1.60%	0.31%	6.54%	0.43%	5.98%
MY-2000	377,188	19,149	5.08%	0.70%	0.14%	4.45%	0.26%	3.98%
MY-2001	67,768	3,780	5.58%	0.52%	0.13%	5.14%	0.21%	4.46%
MY-2002	75,983	3,038	4.00%	0.28%	0.07%	3.70%	0.14%	3.17%
MY-2003	29,419	1,006	3.42%	0.24%	0.05%	3.09%	0.15%	2.52%
MY-2004	20,915	748	3.58%	0.19%	0.06%	3.29%	0.16%	2.78%
MY-2005	25,794	1,060	4.11%	0.19%	0.13%	3.85%	0.10%	3.37%
MY-2006	6,431	262	4.07%	0.61%	0.50%	3.41%	0.09%	3.19%
MY-2007	15	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2008	2	1	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,450,856	317,954	12.97%	7.92%	2.45%	7.47%	1.46%	3.21%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	2,189
Certificate of Non Compliance	2
Parts Cost	293
Hardship Extensions	308
Exempt Vehicle	243
Exempted by Directive	343
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	2
Temporarily Exempt Vehicle	0
	3,389

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,232
Stations Locked-Out at Least Once	1,107
Stations Conducted at Least One Test	7,928

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,548	6,282
EA	Gas Endorsement	24	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	637	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	1,235,380	48.43	109,442	48.37	1,344,822	48.42
Test and Repair	659,834	46.89	254,685	43.71	914,519	46.01
Test and Repair Dealer	68	41.46	17,522	46.21	17,590	46.19
Referee	1,720	30.00	355	30.00	2,075	30.00
Gold Shield in Enhanced Area	82,114	46.85	20,174	45.10	102,288	46.51
Gold Shield in Basic Area	119	48.45	18,614	37.50	18,733	37.57
Gold Shield in COO Area	57	78.74	12,093	49.13	12,150	49.27

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	25,430	22.87	86,342	196.53
	\$51-150	23,815	100.00		
	\$151-250	14,567	199.44		
	\$251-450	14,300	335.32		
	Over \$450	8,230	766.19		
CAP Repairs	\$1-50	728	26.03	11,029	308.55
	\$51-150	1,515	107.35		
	\$151-250	2,106	203.15		
	\$251-450	4,144	344.89		
	Over \$450	2,536	538.00		
Total Repairs	\$1-50	23,511	23.12	89,912	226.58
	\$51-150	21,179	100.26		
	\$151-250	15,615	199.73		
	\$251-450	18,005	338.89		
	Over \$450	11,602	731.31		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	9,643	308.55

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	12	3	0	0	2	1	3	0
Acceleration Simulation Mode (ASM)	Basic	Referee	4	4	2	1	1	2	2	2

	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	99	10	0	0	2	4	6	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	73	11	2	1	3	7	5	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	1	2	0	1	1	2	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	2	0	2	0	1	1	2
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	34	9	0	0	1	3	6	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	92	11	1	1	5	5	7	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	45	5	0	0	1	1	4	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	56,416	7,800	919	433	3,084	3,787	4,936	811
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	237	32	2	0	13	20	14	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	800	756	115	314	139	379	374	408
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	464,937	55,119	7,055	2,974	19,870	28,006	35,424	5,423
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	14	4	1	0	1	3	2	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	983,672	180,993	37,309	10,529	34,102	125,075	97,050	20,408
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	7,807	1,806	332	109	404	1,165	928	216
Acceleration Simulation Mode (ASM)	Partial	Referee	19	47	15	16	8	30	22	27
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	50,976	9,547	1,722	648	1,943	6,215	5,082	1,184
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	45	4	0	0	1	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	26,135	4,872	913	309	1,045	3,143	2,662	628
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	8	3	0	1	1	2	2	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,913	958	159	61	307	538	576	131

	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	969	81	7	310	603	402	7
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	155	93	20	33	25	44	61	47
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	53,748	5,976	853	343	2,317	3,027	3,850	591
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	37,440	5,528	1,138	332	1,788	3,338	3,252	628
Two Speed Idle (TSI)	Basic	Gold Shield Dealer	530	119	26	16	31	52	89	24
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	12,453	2,350	550	182	453	1,070	1,519	372
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	370	40	16	1	9	21	24	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	7,066	1,083	255	64	257	533	663	155
Two Speed Idle (TSI)	Basic	Gross Polluter Certification	234	47	6	4	15	12	38	8
Two Speed Idle (TSI)	Basic	Referee	108	115	23	48	18	52	71	64
Two Speed Idle (TSI)	Basic	Test and Repair	130,191	17,067	3,846	1,079	4,089	7,683	11,089	2,203
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	12,112	743	127	34	263	288	497	76
Two Speed Idle (TSI)	Basic	Test Only	19,251	2,966	755	163	681	1,532	1,651	351
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	274	75	27	6	7	42	48	15
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,227	975	314	65	155	579	560	120
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	383	85	22	10	16	43	47	21
Two Speed Idle (TSI)	Change of Ownership	Gross Polluter Certification	381	61	18	2	10	31	39	5
Two Speed Idle (TSI)	Change of Ownership	Referee	11	18	5	11	2	7	12	14
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	6,372	890	233	71	204	452	590	135
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	122	8	0	0	2	2	6	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,012	382	134	22	67	226	203	55
Two Speed Idle (TSI)	Enhanced	Business-Fleet	3	2	2	0	0	2	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield Dealer	56	5	0	0	3	1	5	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,237	122	10	9	75	21	97	13
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,307	124	19	8	53	38	97	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	8,075	898	236	58	328	407	558	125
Two Speed Idle (TSI)	Enhanced	Gross Polluter Certification	93	22	2	0	7	7	15	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
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	123	10	2	1	0	6	5	1
Two Speed Idle (TSI)	Enhanced	Referee	162	93	31	30	18	39	43	36
Two Speed Idle (TSI)	Enhanced	Test and Repair	61,948	4,520	791	253	2,061	1,506	3,265	477
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,650	85	2	3	60	6	81	3
Two Speed Idle (TSI)	Enhanced	Test Only	69,731	6,348	1,273	310	2,680	2,482	4,208	593
Two Speed Idle (TSI)	Partial	Gold Shield Dealer	14	1	1	0	1	1	1	0
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	101	11	1	0	9	4	9	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	99	13	1	0	7	4	10	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	721	88	24	6	25	42	57	11
Two Speed Idle (TSI)	Partial	Referee	7	4	3	1	0	3	0	1
Two Speed Idle (TSI)	Partial	Test and Repair	4,630	507	126	36	152	236	314	76
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	206	9	0	0	8	1	9	0
Two Speed Idle (TSI)	Partial	Test Only	2,069	195	54	18	53	94	98	31
Two Speed Idle (TSI)	Unknown Program	Gold Shield Dealer	30	10	5	0	4	7	7	1
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,241	172	24	16	68	50	135	25
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	3,047	308	86	23	81	157	204	48
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,467	188	38	14	89	68	137	30
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	109	23	2	36	43	66	1
Two Speed Idle (TSI)	Unknown Program	Gross Polluter Certification	101	19	5	0	7	8	12	0
Two Speed Idle (TSI)	Unknown Program	Permanent Fleet Registered	0	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	134	68	40	16	8	47	19	22
Two Speed Idle (TSI)	Unknown Program	Test and Repair	20,206	1,766	268	97	844	542	1,378	180
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,969	131	4	1	94	17	113	2
Two Speed Idle (TSI)	Unknown Program	Test Only	8,101	534	79	31	299	164	398	51
Two Speed Idle (TSI)	Unknown Program	Unknown Privilege	0	1	0	0	0	1	0	0