

Executive Summary Report

SMOG CHECK Statewide

November 2007

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	685,299	85,955	12.54%
Total	795,783	111,023	13.95%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	584,221	85.25%	101,078	14.75%
Total	664,263	83.47%	131,520	16.53%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	353,909	85.94%	57,922	14.06%
Total	404,155	84.90%	71,883	15.10%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	14,969	2.18%
All Emissions	47,701	6.96%
All Visual	9,878	1.44%
All Functional	25,469	3.72%
OBDII	27,745	4.05%
Overall	85,955	12.54%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	542,383	69,179	12.75%	11,796	2.17%
Partially Enhanced	33,303	4,792	14.39%	842	2.53%
Basic	64,293	7,162	11.14%	1,452	2.26%
Change of Ownership	5,293	773	14.60%	220	4.16%
No Program	6	0	0.00%	0	0.00%
Unknown Program	40,021	4,049	10.12%	659	1.65%
Total Program Area	685,299	85,955	12.54%	14,969	2.18%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	411,831	56,120	13.63%	10,299	2.50%
Regular	220,965	21,909	9.92%	3,317	1.50%
Basic Area Dealer	4,503	255	5.66%	29	0.64%
Gold Shield in Enhanced Area	35,069	5,649	16.11%	882	2.52%
Gold Shield in Basic Area	5,740	928	16.17%	209	3.64%
Gold Shield in COO Area	3,890	505	12.98%	137	3.52%
Business Fleet	49	2	4.08%	0	0.00%
Permanent Fleet Registered	92	6	6.52%	0	0.00%
Referee	732	356	48.63%	66	9.02%
Government Fleet	2,427	225	9.27%	30	1.24%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	685,299	85,955	12.54%	14,969	2.18%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	190,169	168,268
Directed Vehicles	221,662	185,641
Total	411,831	353,909

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	33,971	28,347
Directed Vehicles	10,728	8,311
Total	44,699	36,658

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6. 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-1971	1	1	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	7	2	28.57%	28.57%	0.00%	0.00%	14.29%	0.00%
MY-1975	7	1	14.29%	0.00%	0.00%	14.29%	14.29%	0.00%
MY-1976	1,229	342	27.83%	22.05%	10.50%	14.08%	8.62%	0.00%
MY-1977	1,852	455	24.57%	17.76%	9.40%	12.85%	7.94%	0.00%
MY-1978	2,059	518	25.16%	18.99%	9.08%	12.58%	7.72%	0.00%
MY-1979	2,501	696	27.83%	21.51%	10.56%	14.55%	9.08%	0.00%
MY-1980	1,563	390	24.95%	20.54%	10.68%	13.63%	7.04%	0.00%
MY-1981	1,656	504	30.43%	24.46%	12.38%	15.58%	9.96%	0.00%
MY-1982	2,131	630	29.56%	24.21%	9.29%	14.64%	8.31%	0.00%
MY-1983	2,415	709	29.36%	24.47%	12.55%	13.71%	7.20%	0.00%
MY-1984	4,986	1,487	29.82%	24.67%	12.27%	14.90%	7.16%	0.00%
MY-1985	6,655	1,811	27.21%	22.09%	10.88%	14.18%	6.30%	0.00%
MY-1986	9,675	2,548	26.34%	20.87%	9.57%	13.48%	5.31%	0.00%
MY-1987	12,551	3,250	25.89%	21.09%	8.68%	12.39%	4.65%	0.00%
MY-1988	13,458	3,290	24.45%	19.52%	7.81%	11.77%	4.13%	0.00%
MY-1989	18,822	3,960	21.04%	16.53%	6.14%	10.22%	3.15%	0.00%
MY-1990	21,237	4,173	19.65%	15.39%	5.35%	9.37%	2.59%	0.00%
MY-1991	25,526	4,630	18.14%	14.19%	4.76%	8.30%	2.13%	0.00%
MY-1992	23,794	3,910	16.43%	12.80%	4.24%	7.23%	1.92%	0.00%
MY-1993	30,462	5,427	17.82%	14.59%	3.47%	6.80%	1.89%	0.00%
MY-1994	33,583	4,796	14.28%	11.19%	2.32%	5.51%	1.67%	0.00%
MY-1995	48,228	5,818	12.06%	8.79%	1.84%	4.84%	1.33%	0.00%
MY-1996	30,895	5,503	17.81%	7.12%	1.12%	1.83%	1.10%	12.12%
MY-1997	56,409	7,474	13.25%	4.60%	0.82%	1.23%	0.90%	9.18%
MY-1998	40,381	4,650	11.52%	3.31%	0.67%	0.89%	0.79%	8.46%
MY-1999	73,064	5,755	7.88%	1.69%	0.35%	0.61%	0.50%	6.05%
MY-2000	43,104	3,127	7.25%	1.35%	0.31%	0.57%	0.48%	5.65%
MY-2001	104,874	7,470	7.12%	0.65%	0.16%	0.64%	0.36%	6.16%
MY-2002	30,036	1,165	3.88%	0.38%	0.10%	0.37%	0.20%	3.14%
MY-2003	16,978	625	3.68%	0.34%	0.12%	0.21%	0.22%	2.90%
MY-2004	8,736	345	3.95%	0.24%	0.05%	0.29%	0.17%	2.96%
MY-2005	5,595	206	3.68%	0.27%	0.05%	0.23%	0.16%	2.90%
MY-2006	5,198	164	3.16%	0.27%	0.06%	0.29%	0.27%	2.40%
MY-2007	5,036	111	2.20%	0.12%	0.04%	0.14%	0.12%	1.91%
MY-2008	592	12	2.03%	0.17%	0.00%	0.00%	0.00%	1.86%
All Model Years	685,299	85,955	12.54%	6.96%	2.18%	3.72%	1.44%	4.05%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	571
Certificate of Non Compliance	1
Parts Cost	78
Hardship Extensions	167
Exempt Vehicle	16
Exempted by Directive	111
Parts Exemption	0
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	944

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,298
Stations Locked-Out at Least Once	165
Stations Conducted at Least One Test	7,607

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,231	5,727
EA	Gas Endorsement	14	0
EB	Both Endorsement	57	0
EB	Gas Endorsement	535	0
GU	Both Endorsement	20	0

10. 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	365,495	48.37	39,288	49.15	404,783	48.45
Test and Repair	146,988	46.47	72,616	44.36	219,604	45.78
Test and Repair Dealer	19	56.68	4,483	44.72	4,502	44.77
Referee	379	30.00	158	30.00	537	30.00
Gold Shield in Enhanced Area	27,326	47.61	7,534	42.98	34,860	46.61
Gold Shield in Basic Area	0	0.00	5,737	32.85	5,737	32.85
Gold Shield in COO Area	88	50.63	3,823	47.46	3,911	47.53

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	6,508	22.55	21,434	207.90
	\$51-150	5,395	100.27		
	\$151-250	3,527	198.44		
	\$251-450	3,625	335.72		
	Over \$450	2,379	778.29		
CAP Repairs	\$0-50	151	24.23	3,318	342.25
	\$51-150	318	104.93		
	\$151-250	533	203.37		
	\$251-450	1,251	347.93		
	Over \$450	1,065	521.02		
Total Repairs	\$0-50	5,768	22.84	22,260	251.20
	\$51-150	4,438	100.45		
	\$151-250	3,739	198.92		
	\$251-450	4,615	340.72		
	Over \$450	3,700	729.18		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	3,318	342.25

13. 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	1	0	1	1	0	0

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	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	42	6	0	0	4	1	3	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	39	8	1	1	2	3	4	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	39	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	19,267	4,045	584	204	1,354	2,179	1,173	480
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	94	8	1	20	61	14	0
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	11	2	0	0	1	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	207	233	44	106	48	125	77	133
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	99,180	11,216	1,441	591	5,109	4,972	2,768	1,095
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	298,183	49,461	9,011	2,785	13,739	30,850	15,231	5,612
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	27	7	0	0	2	5	1	3
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	1,838	427	74	21	144	248	96	38
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	7	3	0	0	7	0	0
Acceleration Simulation Mode (ASM)	Partial	Referee	6	10	2	7	0	4	3	10
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	14,627	2,720	457	151	780	1,581	831	317
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	8	3	0	0	2	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,045	1,341	244	61	363	815	377	149
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,156	205	27	16	85	108	43	34
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	82	10	0	20	57	8	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	51	27	6	8	5	17	12	14

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	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	12,006	1,300	186	87	534	615	320	157
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	10,743	1,588	288	108	608	862	436	194
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,057	835	194	69	195	390	333	123
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	189	34	5	2	10	12	13	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,082	533	102	30	151	200	231	89
Two Speed Idle (TSI)	Basic	Government Fleet	0	8	2	0	5	3	0	0
Two Speed Idle (TSI)	Basic	Referee	31	29	5	11	7	10	15	17
Two Speed Idle (TSI)	Basic	Test and Repair	37,658	4,538	887	270	1,390	1,924	1,634	567
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,198	193	25	11	59	60	56	32
Two Speed Idle (TSI)	Basic	Test Only	6,559	975	230	56	302	460	307	115
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	35	9	1	2	5	2	2	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,780	309	90	26	58	166	127	43
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	121	30	14	2	5	21	17	3
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,686	283	74	14	69	152	122	33
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	34	6	1	1	3	1	1	3
Two Speed Idle (TSI)	Change of Ownership	Test Only	727	133	40	11	27	72	45	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	263	31	3	3	18	9	3	5
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	356	33	6	1	10	14	7	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,587	310	61	21	152	109	72	42
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	24	6	0	7	12	4	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	50	4	0	0	0	1	3	2
Two Speed Idle (TSI)	Enhanced	Referee	44	26	4	12	12	9	3	16
Two Speed Idle (TSI)	Enhanced	Test and Repair	17,291	1,282	182	75	697	340	258	127
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	327	23	1	1	18	2	2	2
Two Speed Idle (TSI)	Enhanced	Test Only	26,365	2,383	445	112	1,190	814	500	239
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	27	6	3	0	1	4	3	0
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	34	7	4	0	2	5	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	181	28	6	1	13	8	9	4

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	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	Referee	4	2	0	2	1	1	0	2
Two Speed Idle (TSI)	Partial	Test and Repair	1,619	163	34	11	67	60	52	21
Two Speed Idle (TSI)	Partial	Test Only	751	67	15	4	23	32	18	8
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	315	47	8	6	21	16	13	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	845	111	32	7	33	57	44	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	462	69	13	8	28	25	28	17
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	9	1	0	2	3	4	0
Two Speed Idle (TSI)	Unknown Program	Referee	24	15	5	2	2	10	6	7
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,979	401	56	29	215	126	96	42
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	459	28	2	2	17	4	4	4
Two Speed Idle (TSI)	Unknown Program	Test Only	2,490	164	25	8	104	41	35	14
UnKnown TestType	Enhanced	Referee	7	7	0	0	0	7	0	7
UnKnown TestType	Partial	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Referee	2	2	0	0	0	2	0	2

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