

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2013

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,957,987	376,827	12.74%
Total	3,383,581	476,211	14.07%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,548,053	86.14%	409,934	13.86%
Total	2,861,948	84.58%	521,633	15.42%

3. Certification Volume by Station Type*

Station Types	Certificates Issued on Initial Test	Percent (%) Certificates Issued	No Certificates Issued on Initial Test	Percent (%) No Certificates Issued
STAR Test Only	1,114,522	84.46%	205,043	15.54%
Non-STAR Test Only	367,679	87.75%	51,327	12.25%
STAR Test and Repair	384,817	84.50%	70,574	15.50%
Non-STAR Test and Repair	665,940	90.45%	70,293	9.55%
Total	2,532,958	85.63%	425,029	14.37%

*Note: Excludes Basic area dealer, Fleets, and Referee stations

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	36,417	1.23%
All Emissions	165,759	5.60%
All Visual	66,536	2.25%
All Functional	244,015	8.25%
OBDII	164,055	5.55%
Overall	376,827	12.74%

5. Initial Tests at Test-Only Stations

Vehicles	STAR Station Initial Tests	Non-STAR Station Initial Tests	STAR Station Certificates Issued	Non-STAR Station Certificates Issued
Directed	608,442	49,557	466,884	35,043
Non-Directed	711,123	369,449	647,638	332,636
Total	1,319,565	419,006	1,114,522	367,679

6. Initial Tests at All Test and Repair Stations

Vehicles	STAR Station Initial Tests	Non-STAR Station Initial Tests	STAR Station Certificates Issued	Non-STAR Station Certificates Issued
Directed	163,980	11,848	123,713	5,247
Non-Directed	291,411	724,385	261,104	660,693
Total	455,391	736,233	384,817	665,940

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,364,865	316,783	13.40%	29,862	1.26%
Partially Enhanced	155,765	20,024	12.86%	1,955	1.26%
Basic	269,450	24,452	9.07%	2,746	1.02%
Change of Ownership	18,341	2,494	13.60%	424	2.31%
No Program	18	2	11.11%	1	5.56%
Unknown Program	149,548	13,072	8.74%	1,429	0.96%
Total Program Area	2,957,987	376,827	12.74%	36,417	1.23%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	1,319,565	201,730	15.29%	19,830	1.50%
Non-STAR Test Only	419,006	48,320	11.53%	4,690	1.12%
STAR Test and Repair	455,391	67,228	14.76%	6,422	1.41%
Non-STAR Test and Repair	736,233	57,485	7.81%	5,249	0.71%
Basic Area Dealer	14,878	510	3.43%	33	0.22%
Business Fleet	9	1	11.11%	0	0.00%
Permanent Fleet Registered	180	17	9.44%	0	0.00%
Referee	1,430	638	44.62%	89	6.22%
Government Fleet	11,295	898	7.95%	104	0.92%
Unknown Privilege	0	0	0.00%	0	0.00%
Total	2,957,987	376,827	12.74%	36,417	1.23%

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

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
STAR Regular Test and Repair CAP Enhanced	1,360	56	40	0	0	1,456
STAR Regular Test and Repair CAP Basic	0	0	60	0	0	60
STAR Regular Test and Repair COO	12	1	3	55	0	71
STAR Test Only	1,532	19	12	0	0	1,563
Non-STAR Regular Test and Repair	2,720	269	508	54	0	3,551
Non-STAR Test Only	1,128	32	17	0	0	1,177
Repair Only	43	0	2	0	0	45
Basic Area Dealer	0	0	89	0	0	89
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	29	1	4	0	0	34
Referee	36	0	6	1	0	43
Government Fleet	248	9	37	2	0	296
Unknown Type	2	0	0	0	0	2
Total	7,113	387	778	112	0	8,390

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-1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	2,335	789	33.79%	21.84%	9.21%	19.27%	11.43%	0.00%
MY-1977	3,127	1,066	34.09%	20.24%	7.96%	21.17%	12.02%	0.00%
MY-1978	3,580	1,235	34.50%	21.31%	8.60%	20.45%	11.23%	0.00%
MY-1979	4,005	1,427	35.63%	23.30%	9.29%	21.67%	12.66%	0.00%
MY-1980	2,367	831	35.11%	21.50%	9.97%	21.55%	14.07%	0.00%
MY-1981	2,644	988	37.37%	27.42%	10.93%	21.37%	12.52%	0.00%
MY-1982	3,072	1,129	36.75%	26.07%	9.64%	20.61%	11.88%	0.00%
MY-1983	3,929	1,491	37.95%	27.67%	10.16%	19.88%	12.50%	0.00%
MY-1984	7,253	2,788	38.44%	28.40%	11.26%	20.45%	11.50%	0.00%
MY-1985	9,868	3,709	37.59%	27.40%	10.19%	21.16%	10.76%	0.00%
MY-1986	13,510	4,890	36.20%	26.09%	9.50%	19.70%	9.84%	0.00%
MY-1987	15,966	5,785	36.23%	26.33%	8.46%	18.87%	9.02%	0.00%
MY-1988	19,530	6,680	34.20%	25.22%	8.32%	17.53%	8.28%	0.00%
MY-1989	27,331	9,118	33.36%	23.52%	6.75%	17.74%	7.49%	0.00%
MY-1990	34,961	11,510	32.92%	23.97%	6.42%	16.57%	6.63%	0.00%
MY-1991	41,488	13,243	31.92%	23.04%	5.97%	16.03%	6.04%	0.00%
MY-1992	44,463	14,023	31.54%	23.01%	5.72%	14.76%	6.10%	0.00%
MY-1993	53,222	17,615	33.10%	25.09%	5.28%	14.77%	5.89%	0.00%
MY-1994	68,680	20,935	30.48%	21.90%	3.99%	13.50%	5.70%	0.00%
MY-1995	95,747	25,995	27.15%	19.29%	3.25%	11.56%	4.88%	0.00%
MY-1996	79,314	19,812	24.98%	12.73%	1.88%	14.91%	4.29%	12.85%
MY-1997	132,455	26,642	20.11%	9.42%	1.41%	12.27%	3.20%	10.63%
MY-1998	122,239	22,176	18.14%	7.44%	1.23%	11.87%	3.03%	10.68%
MY-1999	193,096	25,070	12.98%	4.11%	0.63%	9.13%	2.27%	8.25%
MY-2000	154,648	21,520	13.92%	3.69%	0.71%	10.43%	2.36%	9.86%
MY-2001	272,522	31,948	11.72%	1.74%	0.33%	9.90%	1.64%	9.62%
MY-2002	150,036	18,561	12.37%	1.96%	0.41%	10.36%	1.88%	10.15%
MY-2003	307,302	23,106	7.52%	1.00%	0.20%	6.27%	1.12%	6.12%
MY-2004	141,871	10,885	7.67%	0.99%	0.21%	6.52%	1.04%	6.40%
MY-2005	332,841	14,602	4.39%	0.44%	0.08%	3.67%	0.61%	3.60%
MY-2006	131,960	6,408	4.86%	0.64%	0.10%	4.05%	0.65%	4.00%
MY-2007	340,094	8,502	2.50%	0.19%	0.04%	2.11%	0.33%	2.07%
MY-2008	44,013	875	1.99%	0.55%	0.07%	1.56%	0.27%	1.53%
MY-2009	32,261	594	1.84%	0.26%	0.03%	1.65%	0.10%	1.60%

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-2010	18,473	293	1.59%	0.25%	0.02%	1.35%	0.14%	1.33%
MY-2011	22,043	268	1.22%	0.27%	0.04%	1.03%	0.11%	0.99%
MY-2012	21,220	244	1.15%	0.14%	0.01%	0.98%	0.12%	0.92%
MY-2013	4,502	74	1.64%	0.29%	0.00%	1.35%	0.24%	1.31%
MY-2014	13	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2015	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,957,987	376,827	12.74%	5.60%	1.23%	8.25%	2.25%	5.55%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,491
Certificate of Non Compliance	0
Parts Cost	298
Hardship Extensions	2
Exempt Vehicle	112
Exempted by Directive	17
Parts Exemption	30
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,950

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,088
Stations Locked-Out at Least Once	1,884
Stations Conducted at Least One Test	7,302

13. Active Technicians

License Type	Technician Count	Daily Average
EA (Test and Repair Enhanced)	7,832	4,284
EB (Test and Repair Basic)	346	0
EI (Repair Only)	3	0
EO (Test and Repair)	3,803	1,950
EO (Test Only)	524	0

14. Inspection Costs

Station Type	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
STAR Test and Repair	347,373	46.78	97,417	46.13	444,790	46.64
STAR Test Only	1,120,827	48.33	169,053	49.70	1,289,880	48.51
Non-STAR Test and Repair	434,368	48.20	272,212	46.04	706,580	47.37
Non-STAR Test Only	329,639	44.73	74,782	44.80	404,421	44.74
Test and Repair Dealer	23	73.65	13,888	52.71	13,911	52.75
Total	2,232,230	47.53	627,352	47.04	2,859,582	47.43

15. Repair Costs

Repair Station Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
STAR Repairs (Test and Repair, Non-CAP)	\$1-50	6,366	24.34	27,827	307.90
	\$51-150	5,104	99.90		
	\$151-250	3,976	203.01		
	\$251-450	6,101	343.55		
	Over \$450	6,280	796.17		
Non-STAR Repairs (Test and Repair)	\$1-50	5,907	23.24	24,066	269.38
	\$51-150	5,447	100.51		
	\$151-250	3,945	202.41		
	\$251-450	4,836	337.72		
	Over \$450	3,931	856.39		
Repair Only	\$1-50	0	0.00	0	0.00
	\$51-150	0	0.00		
	\$151-250	0	0.00		
	\$251-450	0	0.00		
	Over \$450	0	0.00		
CAP Repairs	\$1-50	141	23.28	2,524	370.04
	\$51-150	327	98.64		
	\$151-250	305	202.70		
	\$251-450	689	353.53		

Repair Station Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
	Over \$450	1,062	558.43		
Total Repairs	\$1-50	12,414	23.81	54,417	293.75
	\$51-150	10,878	100.17		
	\$151-250	8,226	202.71		
	\$251-450	11,626	341.72		
	Over \$450	11,273	794.77		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,721	362.01

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	Non-STAR Test and Repair	229	23	2	1	8	13	11	1
Acceleration Simulation Mode (ASM)	Basic	Non-STAR Test Only	89	15	3	0	4	10	6	1
Acceleration Simulation Mode (ASM)	Basic	Referee	1	3	1	1	0	1	2	1
Acceleration Simulation Mode (ASM)	Basic	STAR Test and Repair	113	23	3	0	12	11	17	2
Acceleration Simulation Mode (ASM)	Basic	STAR Test Only	174	26	3	0	9	16	15	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Non-STAR Test and Repair	35	6	0	1	2	3	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	STAR Test Only	40	8	0	0	2	3	4	3
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	212	8	1	144	51	160	5
Acceleration Simulation Mode (ASM)	Enhanced	Non-STAR Test and Repair	302,674	25,012	1,893	2,228	14,009	8,596	17,913	4,241
Acceleration Simulation Mode (ASM)	Enhanced	Non-STAR Test Only	258,494	36,643	3,536	3,798	16,853	15,552	25,330	7,242
Acceleration Simulation Mode (ASM)	Enhanced	Referee	414	408	61	170	93	201	225	230
Acceleration Simulation Mode (ASM)	Enhanced	STAR Test and Repair	262,523	52,396	4,835	4,760	21,015	24,364	32,673	9,886
Acceleration Simulation Mode (ASM)	Enhanced	STAR Test Only	893,820	178,587	17,656	14,557	68,680	87,865	108,689	31,096
Acceleration Simulation Mode (ASM)	Partial	Non-STAR Test and Repair	57,685	8,464	815	513	3,473	4,352	5,036	969
Acceleration Simulation Mode (ASM)	Partial	Non-STAR Test Only	17,290	2,911	307	261	1,168	1,402	1,820	476

	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)	Partial	Referee	17	35	5	17	5	14	18	25
Acceleration Simulation Mode (ASM)	Partial	STAR Test and Repair	16,592	3,163	296	231	1,318	1,502	1,963	515
Acceleration Simulation Mode (ASM)	Partial	STAR Test Only	22,264	3,985	405	308	1,635	1,921	2,381	649
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	602	87	1	93	480	142	5
Acceleration Simulation Mode (ASM)	Unknown Program	Non-STAR Test and Repair	34,473	2,438	248	195	1,297	966	1,663	374
Acceleration Simulation Mode (ASM)	Unknown Program	Non-STAR Test Only	14,699	2,118	199	257	1,005	962	1,424	510
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	50	37	5	16	9	22	27	25
Acceleration Simulation Mode (ASM)	Unknown Program	STAR Test and Repair	10,159	1,400	166	134	688	602	934	268
Acceleration Simulation Mode (ASM)	Unknown Program	STAR Test Only	26,244	3,724	428	380	1,767	1,678	2,380	711
Two Speed Idle (TSI)	Basic	Basic Area Dealer	10,383	419	26	14	235	96	321	38
Two Speed Idle (TSI)	Basic	Government Fleet	0	16	1	0	14	2	14	0
Two Speed Idle (TSI)	Basic	Non-STAR Test and Repair	154,685	14,601	1,610	928	7,248	3,872	10,915	2,078
Two Speed Idle (TSI)	Basic	Non-STAR Test Only	18,217	2,136	245	186	1,013	599	1,544	358
Two Speed Idle (TSI)	Basic	Referee	43	69	14	32	11	24	39	49
Two Speed Idle (TSI)	Basic	STAR Test and Repair	32,832	4,545	546	363	2,137	1,241	3,315	899
Two Speed Idle (TSI)	Basic	STAR Test Only	15,564	2,200	292	225	1,022	653	1,549	446
Two Speed Idle (TSI)	Change of Ownership	Non-STAR Test and Repair	7,997	1,129	183	89	517	407	833	182
Two Speed Idle (TSI)	Change of Ownership	Non-STAR Test Only	1,239	227	35	27	78	80	161	47
Two Speed Idle (TSI)	Change of Ownership	Referee	5	3	2	0	1	2	1	2
Two Speed Idle (TSI)	Change of Ownership	STAR Test and Repair	3,907	725	150	60	238	292	496	131
Two Speed Idle (TSI)	Change of Ownership	STAR Test Only	1,667	359	54	42	128	110	256	82
Two Speed Idle (TSI)	Enhanced	Basic Area Dealer	1,117	30	1	4	18	2	25	4
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	40	7	2	20	10	28	2
Two Speed Idle (TSI)	Enhanced	Non-STAR Test and Repair	64,191	3,333	291	250	2,252	616	2,667	447
Two Speed Idle (TSI)	Enhanced	Non-STAR Test Only	43,823	3,412	319	332	2,172	685	2,665	563

	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	Referee	89	39	1	15	23	7	28	17
Two Speed Idle (TSI)	Enhanced	STAR Test and Repair	42,311	3,821	338	306	2,342	727	2,940	644
Two Speed Idle (TSI)	Enhanced	STAR Test Only	128,505	11,349	916	884	7,440	1,977	8,899	1,790
Two Speed Idle (TSI)	No Program	STAR Test and Repair	0	1	1	0	0	1	0	0
Two Speed Idle (TSI)	Partial	Basic Area Dealer	128	6	3	0	2	4	2	0
Two Speed Idle (TSI)	Partial	Non-STAR Test and Repair	7,733	610	65	38	401	131	473	77
Two Speed Idle (TSI)	Partial	Non-STAR Test Only	1,884	165	13	12	104	34	123	25
Two Speed Idle (TSI)	Partial	STAR Test and Repair	2,407	232	20	16	141	42	187	38
Two Speed Idle (TSI)	Partial	STAR Test Only	2,997	255	26	18	159	56	190	47
Two Speed Idle (TSI)	Unknown Program	Basic Area Dealer	1,472	34	3	2	22	5	26	6
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	22	1	0	17	2	20	0
Two Speed Idle (TSI)	Unknown Program	Non-STAR Test and Repair	16,090	1,152	142	100	671	296	905	177
Two Speed Idle (TSI)	Unknown Program	Non-STAR Test Only	4,465	326	33	50	204	69	248	78
Two Speed Idle (TSI)	Unknown Program	Referee	31	9	0	5	3	1	5	5
Two Speed Idle (TSI)	Unknown Program	STAR Test and Repair	6,070	526	67	47	288	142	393	111
Two Speed Idle (TSI)	Unknown Program	STAR Test Only	8,128	522	50	64	345	107	405	89
UnKnown TestType	Basic	Basic Area Dealer	774	19	0	1	13	22	13	6
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	14	0	0
UnKnown TestType	Basic	Non-STAR Test and Repair	6,288	212	0	28	156	248	156	62
UnKnown TestType	Basic	Non-STAR Test Only	561	33	0	3	21	33	21	13
UnKnown TestType	Basic	Referee	9	2	0	1	1	2	1	2
UnKnown TestType	Basic	STAR Test and Repair	1,300	72	0	14	44	73	44	30
UnKnown TestType	Basic	STAR Test Only	617	38	0	14	20	39	20	20
UnKnown TestType	Change of Ownership	Non-STAR Test and Repair	344	14	0	3	8	15	8	6
UnKnown TestType	Change of Ownership	Non-STAR Test Only	35	2	0	1	1	2	1	1
UnKnown TestType	Change of Ownership	STAR Test and Repair	234	14	0	2	10	15	10	5
UnKnown TestType	Change of Ownership	STAR Test Only	66	2	0	0	1	2	1	1
UnKnown TestType	Enhanced	Basic Area Dealer	61	1	0	0	0	4	0	1
UnKnown TestType	Enhanced	Government Fleet	0	3	0	0	3	120	3	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
UnKnown TestType	Enhanced	Non-STAR Test and Repair	8,975	350	0	56	246	488	246	125
UnKnown TestType	Enhanced	Non-STAR Test Only	5,742	288	0	57	195	299	195	109
UnKnown TestType	Enhanced	Referee	47	11	0	10	4	12	6	10
UnKnown TestType	Enhanced	STAR Test and Repair	4,881	236	0	35	171	302	171	70
UnKnown TestType	Enhanced	STAR Test Only	12,678	602	0	128	390	643	390	239
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	3	0	0
UnKnown TestType	Partial	Non-STAR Test and Repair	2,767	87	0	20	57	106	57	32
UnKnown TestType	Partial	Non-STAR Test Only	563	27	0	6	18	28	18	9
UnKnown TestType	Partial	Referee	6	3	0	3	1	3	1	3
UnKnown TestType	Partial	STAR Test and Repair	830	40	0	12	24	41	24	17
UnKnown TestType	Partial	STAR Test Only	832	39	0	7	22	39	22	18
UnKnown TestType	Unknown Program	Basic Area Dealer	75	0	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	40	0	0
UnKnown TestType	Unknown Program	Non-STAR Test and Repair	1,771	54	0	13	31	123	31	25
UnKnown TestType	Unknown Program	Non-STAR Test Only	558	16	0	6	7	29	7	10
UnKnown TestType	Unknown Program	Referee	53	19	0	15	2	19	2	17
UnKnown TestType	Unknown Program	STAR Test and Repair	647	31	0	9	13	56	13	18
UnKnown TestType	Unknown Program	STAR Test Only	918	34	0	9	20	59	20	15