

Executive Summary Report

SMOG CHECK Statewide **

August 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	685,165	87,274	12.74%
Total	786,100	110,694	14.08%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	592,197	86.43%	92,968	13.57%
Total	667,949	84.97%	118,151	15.03%

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	284,096	84.79%	50,976	15.21%
Non-STAR Test Only	25,548	91.10%	2,495	8.90%
STAR Test and Repair	154,769	85.67%	25,894	14.33%
Non-STAR Test and Repair	124,550	91.73%	11,234	8.27%
Total	588,963	86.67%	90,599	13.33%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	9,555	1.39%
All Emissions	42,235	6.16%
All Visual	17,099	2.50%
All Functional	52,376	7.64%
OBDII	32,291	4.71%
Overall	87,274	12.74%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	545,728	73,153	13.40%	7,793	1.43%
Partial	35,529	4,730	13.31%	538	1.51%
Basic	63,903	5,734	8.97%	733	1.15%
Change of Ownership	4,709	654	13.89%	111	2.36%
No Program	5	1	20.00%	0	0.00%
Unknown	35,291	3,002	8.51%	380	1.08%
Total Program Area	685,165	87,274	12.74%	9,555	1.39%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	335,072	50,247	15.00%	5,642	1.68%
Non-STAR Test Only	28,043	2,321	8.28%	169	0.60%
STAR Test and Repair	180,663	25,006	13.84%	2,727	1.51%
Non-STAR Test and Repair	135,784	9,280	6.83%	960	0.71%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	3,127	82	2.62%	6	0.19%
Business Fleet	5	0	0.00%	0	0.00%
Permanent Fleet Registered	45	2	4.44%	0	0.00%
Referee	361	171	47.37%	35	9.70%
Government Fleet	2,064	165	7.99%	16	0.78%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	685,165	87,274	12.74%	9,555	1.39%

5. Initial Tests at All Test-Only Stations

Vehicles	STAR Station Initial Tests	Non-STAR Station Initial Tests	STAR Station Certificates Issued	Non-STAR Station Certificates Issued
Directed	170,193	226	134,842	66
Non-Directed	164,879	27,817	149,254	25,482
Total	335,072	28,043	284,096	25,548

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	68,818	818	53,816	65
Non-Directed	111,845	134,966	100,953	124,485
Total	180,663	135,784	154,769	124,550

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

Station Type	Basic	Change of Ownership	Enhanced	Partial	Total
STAR Regular Test and Repair CAP Enhanced	0	0	2,051	91	2,142
STAR Regular Test and Repair CAP Basic	141	0	0	0	141
STAR Regular Test and Repair CAP COO	0	67	0	0	67
STAR Test Only	15	0	1,868	29	1,912
Non-STAR Regular Test and Repair	472	37	2,168	229	2,906
Non-STAR Test Only	14	1	453	11	479
Repair Only	3	1	63	1	68
Basic Area Dealer	77	0	0	0	77
Business Fleet	0	0	3	0	3
Permanent Fleet Registered	4	0	15	1	20
Referee	6	1	36	0	43
Government Fleet	37	2	253	9	301
Unknown Type	0	0	1	0	1
Total	769	109	6,911	371	8,160

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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
1964	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	698	208	29.80%	20.63%	7.45%	15.19%	10.17%	0.00%
1977	974	293	30.08%	17.76%	7.39%	17.15%	11.70%	0.00%
1978	1070	355	33.18%	21.03%	7.94%	18.32%	11.96%	0.00%
1979	1274	412	32.34%	21.04%	8.79%	17.90%	12.17%	0.00%
1980	653	201	30.78%	21.13%	11.03%	16.85%	10.26%	0.00%
1981	807	275	34.08%	25.40%	9.67%	17.35%	13.26%	0.00%
1982	848	310	36.56%	24.76%	10.85%	19.10%	13.92%	0.00%
1983	1,232	454	36.85%	27.76%	10.88%	18.43%	10.80%	0.00%
1984	2,102	727	34.59%	26.21%	11.18%	16.89%	10.61%	0.00%
1985	2,812	941	33.46%	24.54%	9.10%	17.00%	9.74%	0.00%
1986	4,502	1,460	32.43%	22.77%	7.93%	17.26%	8.91%	0.00%
1987	4,566	1,460	31.98%	23.28%	7.42%	16.14%	7.97%	0.00%
1988	5,729	1,830	31.94%	22.85%	7.19%	15.60%	7.75%	0.00%
1989	8,095	2,330	28.78%	19.93%	5.66%	14.43%	6.73%	0.00%
1990	9,784	2,883	29.47%	20.65%	5.61%	14.45%	6.28%	0.00%
1991	11,938	3,348	28.04%	19.68%	5.29%	13.85%	5.47%	0.00%
1992	12,079	3,435	28.44%	20.66%	5.55%	12.58%	5.91%	0.00%
1993	15,039	4,632	30.80%	22.89%	5.01%	13.21%	5.60%	0.00%
1994	20,883	5,527	26.47%	18.74%	3.77%	11.53%	5.00%	0.00%
1995	22,394	5,946	26.55%	18.78%	3.55%	11.07%	5.13%	0.00%
1996	28,445	5,757	20.24%	10.41%	1.54%	11.17%	3.95%	9.48%
1997	30,316	6,064	20.00%	9.83%	1.51%	11.67%	3.45%	9.85%
1998	46,716	7,059	15.11%	6.34%	0.98%	9.21%	2.89%	8.05%
1999	39,587	5,646	14.26%	4.99%	0.88%	9.64%	2.90%	8.63%
2000	47,688	5,147	10.79%	2.97%	0.56%	7.81%	1.97%	7.23%
2001	27,202	3,588	13.19%	2.62%	0.52%	10.87%	2.07%	10.35%
2002	55,307	5,164	9.34%	1.65%	0.33%	7.49%	1.63%	7.20%
2003	26,459	2,417	9.13%	1.77%	0.34%	7.20%	1.66%	6.91%
2004	60,686	3,499	5.77%	0.73%	0.16%	4.76%	0.89%	4.61%
2005	23,398	1,336	5.71%	0.93%	0.12%	4.67%	0.91%	4.52%
2006	64,562	2,377	3.68%	0.57%	0.08%	2.89%	0.58%	2.79%
2007	19,135	547	2.86%	0.60%	0.10%	2.21%	0.46%	2.13%
2008	54,687	1,190	2.18%	0.33%	0.04%	1.78%	0.29%	1.72%
2009	6,330	115	1.82%	0.70%	0.03%	1.42%	0.21%	1.42%
2010	7,700	110	1.43%	0.18%	0.03%	1.12%	0.22%	1.08%
2011	5,248	80	1.52%	0.74%	0.04%	1.14%	0.17%	1.12%
2012	5,481	69	1.26%	0.42%	0.02%	1.06%	0.18%	1.06%
2013	5,538	48	0.87%	0.29%	0.02%	0.72%	0.05%	0.69%
2014	2,976	34	1.14%	0.24%	0.03%	0.91%	0.20%	0.91%
2015	223	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	685,165	87,274	12.74%	6.16%	1.39%	7.64%	2.50%	4.71%

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11. Referee Activity

	Certificates Issued
Certificate of Compliance	378
Certificate of Non Compliance	0
Parts Cost	51
Hardship Extensions	0
Exempt Vehicle	29
Exempted by Directive	0
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	463

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,270
Stations Locked-Out at Least Once	924
Stations Conducted at Least One Test	6,890

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	153
EB (Test and Repair Basic)	3
EI (Repair Only)	1
EO (Test Only)	1,929
EO (Test and Repair)	8,267

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
STAR Test and Repair	137,565	46.12	38,667	46.20	176,232	46.14
STAR Test Only	284,040	46.38	43,951	46.91	327,991	46.45
Non-STAR Test and Repair	72,672	50.82	57,351	46.31	130,023	48.83
Non-STAR Test Only	19,597	42.68	7,092	38.57	26,689	41.59
Test and Repair/Dealer	18	27.91	2,894	55.20	2,912	55.03
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	513,892	46.79	149,955	46.26	663,847	46.67

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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	2,381	24.65	10,243	301.15
	\$51-150	2,041	99.84		
	\$151-250	1,525	202.81		
	\$251-450	2,097	342.94		
	Over \$450	2,199	815.72		
Non-STAR Repairs (Test and Repair)	\$1-50	1,057	22.53	3,695	245.38
	\$51-150	894	100.79		
	\$151-250	590	199.46		
	\$251-450	663	335.37		
	Over \$450	491	922.06		
Repair Only	\$1-50	0	0	0	0.00
	\$51-150	0	0		
	\$151-250	0	0		
	\$251-450	0	0		
	Over \$450	0	0		
CAP Repairs	\$1-50	41	20.41	772	382.88
	\$51-150	85	98.51		
	\$151-250	85	207.44		
	\$251-450	235	355.01		
	Over \$450	326	568.44		
Total Repairs	\$1-50	3,479	23.96	14,710	291.43
	\$51-150	3,020	100.08		
	\$151-250	2,200	202.09		
	\$251-450	2,995	342.22		
	Over \$450	3,016	806.3		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	773	370.11