

Executive Summary Report

SMOG CHECK Statewide **

September 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	504,947	73,471	14.55%
Total	590,579	94,221	15.95%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	426,312	84.43%	78,635	15.57%
Total	489,682	82.92%	100,897	17.08%

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	201,918	82.53%	42,735	17.47%
Non-STAR Test Only	20,895	89.86%	2,357	10.14%
STAR Test and Repair	106,894	83.06%	21,795	16.94%
Non-STAR Test and Repair	94,440	90.88%	9,481	9.12%
Total	424,147	84.74%	76,368	15.26%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	8,751	1.73%
All Emissions	38,188	7.56%
All Visual	14,383	2.85%
All Functional	42,476	8.41%
OBDII	24,384	4.83%
Overall	73,471	14.55%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	397,615	61,250	15.40%	7,110	1.79%
Partial	26,913	3,951	14.68%	449	1.67%
Basic	50,542	5,051	9.99%	707	1.40%
Change of Ownership	4,057	596	14.69%	112	2.76%
No Program	3	0	0.00%	0	0.00%
Unknown	25,817	2,623	10.16%	373	1.44%
Total Program Area	504,947	73,471	14.55%	8,751	1.73%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	244,653	42,201	17.25%	5,099	2.08%
Non-STAR Test Only	23,252	2,186	9.40%	183	0.79%
STAR Test and Repair	128,689	20,874	16.22%	2,566	1.99%
Non-STAR Test and Repair	103,921	7,772	7.48%	838	0.81%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	2,066	74	3.58%	9	0.44%
Business Fleet	11	1	9.09%	0	0.00%
Permanent Fleet Registered	35	2	5.71%	0	0.00%
Referee	370	191	51.62%	23	6.22%
Government Fleet	1,949	170	8.72%	33	1.69%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	504,947	73,471	14.55%	8,751	1.73%

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	140,234	165	109,831	37
Non-Directed	104,419	23,087	92,087	20,858
Total	244,653	23,252	201,918	20,895

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	55,653	624	42,789	45
Non-Directed	73,036	103,297	64,105	94,395
Total	128,689	103,921	106,894	94,440

** BAR-97 data only. OBD Inspection System (OIS) data are not included in this report

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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	2,062	93	2,155
STAR Regular Test and Repair CAP Basic	140	0	0	0	140
STAR Regular Test and Repair CAP COO	0	69	0	0	69
STAR Test Only	15	0	1,844	27	1,886
Non-STAR Regular Test and Repair	480	34	2,181	225	2,920
Non-STAR Test Only	14	1	473	12	500
Repair Only	3	1	60	1	65
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	38	2	252	9	301
Unknown Type	0	0	1	0	1
Total	777	108	6,927	368	8,180

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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
1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	617	211	34.20%	22.37%	9.89%	18.96%	10.70%	0.00%
1977	829	257	31.00%	20.14%	8.20%	17.01%	9.65%	0.00%
1978	991	327	33.00%	20.89%	8.27%	17.36%	12.31%	0.00%
1979	1169	382	32.68%	21.47%	8.55%	17.79%	12.23%	0.00%
1980	658	218	33.13%	21.73%	11.25%	17.48%	11.25%	0.00%
1981	709	232	32.72%	24.12%	10.72%	16.78%	11.71%	0.00%
1982	847	284	33.53%	23.97%	11.45%	18.06%	10.86%	0.00%
1983	1,057	356	33.68%	23.94%	8.70%	16.93%	11.07%	0.00%
1984	1,918	684	35.66%	27.22%	11.89%	16.89%	9.38%	0.00%
1985	2,615	886	33.88%	25.89%	10.36%	16.02%	9.56%	0.00%
1986	4,068	1,334	32.79%	23.77%	8.46%	16.74%	8.80%	0.00%
1987	4,069	1,297	31.88%	23.52%	8.41%	15.75%	8.33%	0.00%
1988	5,173	1,619	31.30%	22.21%	7.48%	15.97%	7.44%	0.00%
1989	7,460	2,090	28.02%	20.00%	5.78%	13.75%	6.17%	0.00%
1990	8,755	2,489	28.43%	20.30%	5.65%	14.04%	5.87%	0.00%
1991	11,250	3,204	28.48%	20.26%	5.32%	13.15%	5.80%	0.00%
1992	11,091	3,102	27.97%	20.02%	5.64%	12.82%	5.48%	0.00%
1993	14,214	4,367	30.72%	22.68%	5.07%	13.24%	6.06%	0.00%
1994	18,890	5,142	27.22%	19.51%	3.66%	11.59%	5.09%	0.00%
1995	21,345	5,782	27.09%	19.34%	3.65%	11.16%	5.31%	0.00%
1996	25,325	5,276	20.83%	10.49%	1.56%	11.86%	3.92%	9.92%
1997	28,085	5,737	20.43%	9.83%	1.50%	12.03%	3.72%	10.29%
1998	43,496	6,747	15.51%	6.42%	1.00%	9.54%	2.98%	8.35%
1999	36,034	5,295	14.69%	5.37%	0.83%	9.64%	2.87%	8.76%
2000	29,381	3,269	11.13%	3.28%	0.66%	8.11%	2.03%	7.49%
2001	17,585	2,327	13.23%	2.80%	0.49%	10.95%	2.03%	10.50%
2002	31,949	3,004	9.40%	1.73%	0.37%	7.60%	1.44%	7.28%
2003	16,935	1,548	9.14%	2.02%	0.43%	7.29%	1.52%	6.97%
2004	36,642	2,247	6.13%	1.04%	0.18%	4.93%	0.84%	4.80%
2005	14,129	788	5.58%	1.07%	0.18%	4.52%	0.98%	4.36%
2006	38,812	1,471	3.79%	0.61%	0.07%	3.00%	0.55%	2.90%
2007	12,405	358	2.89%	0.65%	0.10%	2.31%	0.45%	2.23%
2008	32,066	787	2.45%	0.39%	0.07%	1.90%	0.36%	1.85%
2009	4,500	89	1.98%	0.69%	0.09%	1.51%	0.22%	1.44%
2010	5,572	65	1.17%	0.29%	0.04%	0.97%	0.13%	0.92%
2011	3,683	62	1.68%	0.49%	0.00%	1.44%	0.22%	1.41%
2012	3,828	65	1.70%	0.68%	0.00%	1.33%	0.13%	1.31%
2013	4,207	42	1.00%	0.21%	0.05%	0.83%	0.10%	0.76%
2014	2,367	29	1.23%	0.13%	0.00%	1.06%	0.13%	0.97%
2015	219	2	0.91%	0.00%	0.00%	0.91%	0.00%	0.91%
All Model Years	504,947	73,471	14.55%	7.56%	1.73%	8.41%	2.85%	4.83%



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11. Referee Activity

	Certificates Issued
Certificate of Compliance	343
Certificate of Non Compliance	0
Parts Cost	40
Hardship Extensions	0
Exempt Vehicle	35
Exempted by Directive	4
Parts Exemption	7
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	429

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,384
Stations Locked-Out at Least Once	872
Stations Conducted at Least One Test	6,796

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	113
EB (Test and Repair Basic)	4
EI (Repair Only)	3
EO (Test Only)	1,974
EO (Test and Repair)	7,922

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	97,973	46.28	27,761	46.49	125,734	46.32
STAR Test Only	210,181	46.24	29,900	46.04	240,081	46.22
Non-STAR Test and Repair	54,244	51.91	45,279	47.11	99,523	49.73
Non-STAR Test Only	16,187	42.60	5,814	39.89	22,001	41.88
Test and Repair/Dealer	2	0.01	1,924	54.20	1,926	54.15
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	378,587	46.91	110,678	46.41	489,265	46.80

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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	1,888	24.4	8,437	297.69
	\$51-150	1,591	99.01		
	\$151-250	1,289	202.17		
	\$251-450	1,817	337.59		
	Over \$450	1,852	774.32		
Non-STAR Repairs (Test and Repair)	\$1-50	905	22.35	3,088	231.64
	\$51-150	709	100.73		
	\$151-250	533	202.28		
	\$251-450	545	334.63		
	Over \$450	396	842.14		
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	30	23.33	733	387.61
	\$51-150	84	110.17		
	\$151-250	95	204.74		
	\$251-450	218	363.75		
	Over \$450	306	573.26		
Total Repairs	\$1-50	2,823	23.73	12,258	286.43
	\$51-150	2,384	99.91		
	\$151-250	1,917	202.33		
	\$251-450	2,580	339.17		
	Over \$450	2,554	760.75		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	716	375.87