

Executive Summary Report

SMOG CHECK Statewide **

January 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,006,596	111,622	11.09%
Total	1,132,611	138,742	12.25%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	885,025	87.92%	121,571	12.08%
Total	981,477	86.66%	151,134	13.34%

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	437,617	86.87%	66,160	13.13%
Non-STAR Test Only	41,335	91.17%	4,005	8.83%
STAR Test and Repair	224,248	87.72%	31,405	12.28%
Non-STAR Test and Repair	175,277	91.92%	15,403	8.08%
Total	878,477	88.25%	116,973	11.75%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	10,396	1.03%
All Emissions	47,628	4.73%
All Visual	20,435	2.03%
All Functional	72,080	7.16%
OBDII	50,315	5.00%
Overall	111,622	11.09%

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	208,327	317	165,621	78
Non-Directed	295,450	45,023	271,996	41,257
Total	503,777	45,340	437,617	41,335

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	79,342	1,133	62,613	70
Non-Directed	176,311	189,547	161,635	175,207
Total	255,653	190,680	224,248	175,277

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	807,673	93,712	11.60%	8,410	1.04%
Partial	51,417	5,976	11.62%	560	1.09%
Basic	91,593	7,289	7.96%	873	0.95%
Change of Ownership	6,061	740	12.21%	128	2.11%
No Program	9	1	11.11%	0	0.00%
Unknown	49,843	3,904	7.83%	425	0.85%
Total Program Area	1,006,596	111,622	11.09%	10,396	1.03%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	503,777	65,019	12.91%	6,141	1.22%
Non-STAR Test Only	45,340	3,717	8.20%	319	0.70%
STAR Test and Repair	255,653	29,823	11.67%	2,720	1.06%
Non-STAR Test and Repair	190,680	12,169	6.38%	1,107	0.58%
Test Only Temp	1,853	229	12.36%	25	1.35%
Test and Repair/Dealer	4,834	147	3.04%	5	0.10%
Business Fleet	6	0	0.00%	0	0.00%
Permanent Fleet Registered	26	2	7.69%	0	0.00%
Referee	511	226	44.23%	35	6.85%
Government Fleet	3,916	290	7.41%	44	1.12%
Total	1,006,596	111,622	11.09%	10,396	1.03%

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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	1,897	81	1,978
STAR Regular Test and Repair CAP Basic	138	0	0	0	138
STAR Regular Test and Repair CAP COO	0	68	0	0	68
STAR Test Only	18	0	1,857	29	1,904
Non-STAR Regular Test and Repair	472	35	2,215	240	2,962
Non-STAR Test Only	10	0	502	11	523
Repair Only	3	0	72	2	77
Basic Area Dealer	79	0	0	0	79
Business Fleet	0	0	3	0	3
Permanent Fleet Registered	4	0	28	1	33
Referee	6	1	37	0	44
Government Fleet	37	2	249	9	297
Unknown Type	0	0	1	0	1
Total	767	106	6,861	373	8,107

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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
1950	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1960	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1965	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	697	221	31.71%	21.95%	8.32%	16.64%	10.76%	0.00%
1977	919	275	29.92%	18.61%	8.05%	17.52%	10.99%	0.00%
1978	1,082	348	32.16%	19.69%	9.06%	19.50%	11.65%	0.00%
1979	1,331	447	33.58%	22.69%	8.94%	18.56%	10.97%	0.00%
1980	748	223	29.81%	20.86%	8.82%	16.98%	10.16%	0.00%
1981	832	287	34.50%	25.24%	11.06%	17.91%	11.54%	0.00%
1982	949	313	32.98%	24.03%	8.96%	17.70%	11.80%	0.00%
1983	1,136	378	33.27%	24.12%	8.54%	17.87%	10.21%	0.00%
1984	2,210	746	33.76%	25.34%	10.41%	17.24%	10.36%	0.00%
1985	3,009	1,018	33.83%	25.02%	9.34%	17.78%	10.00%	0.00%
1986	4,055	1,329	32.77%	23.21%	8.53%	17.61%	8.83%	0.00%
1987	4,805	1,630	33.92%	24.99%	8.47%	17.29%	9.03%	0.00%
1988	5,715	1,846	32.30%	23.29%	7.30%	16.12%	7.75%	0.00%
1989	8,238	2,499	30.34%	21.41%	6.19%	15.27%	6.59%	0.00%
1990	10,287	3,004	29.20%	20.73%	5.32%	14.37%	5.92%	0.00%
1991	12,202	3,613	29.61%	21.08%	5.54%	14.56%	5.69%	0.00%
1992	12,709	3,617	28.46%	20.54%	5.36%	13.23%	5.30%	0.00%
1993	16,008	4,992	31.18%	23.71%	5.05%	13.04%	5.41%	0.00%
1994	21,060	5,901	28.02%	20.16%	3.43%	12.12%	5.33%	0.00%
1995	23,904	6,558	27.43%	20.18%	3.53%	11.48%	5.34%	0.00%
1996	28,644	6,014	21.00%	10.82%	1.50%	12.07%	3.86%	10.23%
1997	32,979	6,916	20.97%	10.04%	1.48%	12.77%	3.43%	10.98%
1998	46,038	7,087	15.39%	6.33%	1.04%	9.79%	2.78%	8.61%
1999	45,820	6,580	14.36%	4.79%	0.83%	10.05%	2.63%	9.04%
2000	77,220	8,391	10.87%	2.79%	0.54%	7.97%	2.03%	7.41%
2001	53,579	7,449	13.90%	2.49%	0.43%	11.56%	2.10%	11.15%
2002	85,776	7,794	9.09%	1.42%	0.26%	7.39%	1.56%	7.18%
2003	54,639	5,558	10.17%	1.71%	0.35%	8.35%	1.70%	8.10%
2004	99,293	5,333	5.37%	0.63%	0.15%	4.41%	0.88%	4.28%
2005	54,091	3,375	6.24%	0.83%	0.14%	5.26%	0.82%	5.16%
2006	109,883	3,764	3.43%	0.42%	0.08%	2.79%	0.48%	2.73%
2007	48,610	1,742	3.58%	0.37%	0.08%	3.09%	0.39%	3.01%
2008	90,383	1,682	1.86%	0.20%	0.03%	1.47%	0.29%	1.44%
2009	9,453	173	1.83%	0.47%	0.03%	1.56%	0.15%	1.49%
2010	14,732	252	1.71%	0.23%	0.01%	1.49%	0.12%	1.45%
2011	7,544	81	1.07%	0.23%	0.03%	0.91%	0.11%	0.91%
2012	8,197	88	1.07%	0.28%	0.05%	0.77%	0.21%	0.76%
2013	6,533	67	1.03%	0.08%	0.00%	0.93%	0.06%	0.89%
2014	1,281	31	2.42%	0.16%	0.00%	2.34%	0.08%	2.34%
All Model Years	1,006,596	111,622	11.09%	4.73%	1.03%	7.16%	2.03%	5.00%

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



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11. Referee Activity

	Certificates Issued
Certificate of Compliance	511
Certificate of Non Compliance	0
Parts Cost	59
Hardship Extensions	0
Exempt Vehicle	37
Exempted by Directive	5
Parts Exemption	12
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	624

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,533
Stations Locked-Out at Least Once	897
Stations Conducted at Least One Test	6,973

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	2,115
EB (Test and Repair Basic)	98
EI (Repair Only)	1
EO (Test Only)	1,452
EO (Test and Repair)	7,180

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	191,189	46.9	57,410	46.21	248,599	46.75
STAR Test Only	419,816	47.3	72,651	48.55	492,467	47.49
Non-STAR Test and Repair	105,034	50.8	77,897	47.12	182,931	49.23
Non-STAR Test Only	32,603	43.17	10,595	40.01	43,198	42.39
Test and Repair/Dealer	8	62.78	4,467	55.28	4,475	55.3
Test Only Temp	1,602	44.21	200	44.94	1,802	44.29
Total	750,252	47.5	223,220	47.18	973,472	47.43

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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	2,496	23.89	11,605	310.73
	\$51-150	2,218	100.28		
	\$151-250	1,738	201.39		
	\$251-450	2,576	340.69		
	Over \$450	2,577	813.46		
Non-STAR Repairs (Test and Repair)	\$1-50	1,229	22.87	4,767	278.12
	\$51-150	1,045	100.47		
	\$151-250	798	199.47		
	\$251-450	936	339.35		
	Over \$450	759	943.18		
Repair Only	\$1-50	0	0	0	0
	\$51-150	0	0		
	\$151-250	0	0		
	\$251-450	0	0		
	Over \$450	0	0		
CAP Repairs	\$1-50	56	26.59	772	361.87
	\$51-150	91	106.4		
	\$151-250	79	194.82		
	\$251-450	245	351.63		
	Over \$450	301	553.65		
Total Repairs	\$1-50	3,781	23.59	17,144	303.96
	\$51-150	3,354	100.5		
	\$151-250	2,615	200.61		
	\$251-450	3,757	341.07		
	Over \$450	3,637	819.03		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	812	349.96