

Executive Summary Report

SMOG CHECK Statewide **

February 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	929,831	108,266	11.64%
Total	1,049,806	134,611	12.82%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	812,132	87.34%	117,699	12.66%
Total	903,563	86.07%	146,243	13.93%

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	398,405	86.17%	63,951	13.83%
Non-STAR Test Only	36,738	90.87%	3,691	9.13%
STAR Test and Repair	207,684	87.16%	30,596	12.84%
Non-STAR Test and Repair	164,004	91.63%	14,990	8.37%
Total	806,831	87.69%	113,228	12.31%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	10,754	1.16%
All Emissions	47,060	5.06%
All Visual	20,052	2.16%
All Functional	69,735	7.50%
OBDII	48,122	5.18%
Overall	108,266	11.64%

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	193,021	377	152,197	89
Non-Directed	269,335	40,052	246,208	36,649
Total	462,356	40,429	398,405	36,738

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	73,901	1,004	58,026	53
Non-Directed	164,379	177,990	149,658	163,951
Total	238,280	178,994	207,684	164,004

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	740,420	90,191	12.18%	8,768	1.18%
Partial	50,986	6,301	12.36%	626	1.23%
Basic	85,531	7,085	8.28%	807	0.94%
Change of Ownership	5,815	813	13.98%	145	2.49%
No Program	7	1	14.29%	0	0.00%
Unknown	47,072	3,875	8.23%	408	0.87%
Total Program Area	929,831	108,266	11.64%	10,754	1.16%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	462,356	62,921	13.61%	6,485	1.40%
Non-STAR Test Only	40,429	3,337	8.25%	274	0.68%
STAR Test and Repair	238,280	29,193	12.25%	2,836	1.19%
Non-STAR Test and Repair	178,994	12,006	6.71%	1,075	0.60%
Test Only Temp	1,284	170	13.24%	15	1.17%
Test and Repair/Dealer	4,126	112	2.71%	6	0.15%
Business Fleet	8	0	0.00%	0	0.00%
Permanent Fleet Registered	18	2	11.11%	0	0.00%
Referee	439	219	49.89%	27	6.15%
Government Fleet	3,896	306	7.85%	36	0.92%
Total	929,830	108,266	11.64%	10,754	1.16%

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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	1,938	82	2,020
STAR Regular Test and Repair CAP Basic	136	0	0	0	136
STAR Regular Test and Repair CAP COO	0	68	0	0	68
STAR Test Only	17	0	1,867	29	1,913
Non-STAR Regular Test and Repair	471	35	2,188	241	2,935
Non-STAR Test Only	11	0	473	11	495
Repair Only	3	0	77	2	82
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	36	0	43
Government Fleet	37	2	248	9	296
Unknown Type	0	0	1	0	1
Total	764	106	6,859	375	8,104

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



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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
1937	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	769	250	32.51%	20.29%	7.28%	18.08%	12.48%	0.00%
1977	958	315	32.88%	20.67%	7.93%	19.83%	12.21%	0.00%
1978	1,064	337	31.67%	20.30%	8.55%	16.54%	11.00%	0.00%
1979	1,196	384	32.11%	20.57%	9.28%	17.89%	12.21%	0.00%
1980	719	236	32.82%	22.67%	11.27%	17.66%	13.49%	0.00%
1981	759	281	37.02%	24.90%	8.96%	21.74%	12.91%	0.00%
1982	893	311	34.83%	25.76%	11.09%	19.15%	10.97%	0.00%
1983	1,186	401	33.81%	23.44%	9.78%	17.62%	11.72%	0.00%
1984	2,043	712	34.85%	25.84%	10.67%	19.04%	10.77%	0.00%
1985	2,823	1,024	36.27%	27.21%	10.87%	18.00%	9.88%	0.00%
1986	4,006	1,348	33.65%	24.51%	9.69%	17.82%	9.19%	0.00%
1987	4,556	1,521	33.38%	24.56%	7.95%	16.46%	8.52%	0.00%
1988	5,485	1,707	31.12%	22.52%	7.24%	16.03%	7.97%	0.00%
1989	7,833	2,459	31.39%	22.02%	6.64%	15.98%	7.30%	0.00%
1990	10,170	3,115	30.63%	21.56%	6.53%	15.70%	6.47%	0.00%
1991	11,670	3,507	30.05%	21.94%	6.30%	14.82%	5.67%	0.00%
1992	12,607	3,780	29.98%	21.98%	5.75%	13.67%	5.89%	0.00%
1993	15,378	4,879	31.73%	23.96%	5.39%	13.69%	5.82%	0.00%
1994	20,468	5,869	28.67%	20.68%	4.08%	12.86%	5.52%	0.00%
1995	23,065	6,429	27.87%	20.39%	3.72%	11.72%	5.08%	0.00%
1996	28,938	6,263	21.64%	11.11%	1.60%	12.49%	3.83%	10.78%
1997	30,923	6,577	21.27%	10.46%	1.65%	13.16%	3.37%	11.31%
1998	44,335	7,063	15.93%	6.63%	1.14%	10.13%	2.98%	8.93%
1999	42,841	6,312	14.73%	4.98%	0.87%	10.32%	2.82%	9.26%
2000	74,227	8,301	11.18%	2.95%	0.51%	8.19%	2.04%	7.63%
2001	46,996	6,909	14.70%	2.66%	0.45%	12.24%	2.26%	11.90%
2002	82,061	7,701	9.38%	1.46%	0.31%	7.65%	1.56%	7.44%
2003	45,810	4,648	10.15%	1.68%	0.34%	8.32%	1.67%	8.09%
2004	94,359	5,495	5.82%	0.72%	0.15%	4.80%	0.90%	4.66%
2005	42,287	2,721	6.43%	0.87%	0.15%	5.33%	0.99%	5.21%
2006	103,451	3,686	3.56%	0.41%	0.07%	2.89%	0.54%	2.80%
2007	35,899	1,301	3.62%	0.44%	0.08%	3.08%	0.47%	3.01%
2008	87,273	1,772	2.03%	0.22%	0.04%	1.63%	0.31%	1.60%
2009	8,387	150	1.79%	0.43%	0.06%	1.43%	0.27%	1.38%
2010	11,438	182	1.59%	0.14%	0.02%	1.36%	0.15%	1.35%
2011	7,101	118	1.66%	0.52%	0.04%	1.41%	0.07%	1.39%
2012	8,261	88	1.07%	0.27%	0.06%	0.93%	0.08%	0.90%
2013	6,119	78	1.27%	0.11%	0.03%	1.09%	0.08%	1.09%
2014	1,473	36	2.44%	0.61%	0.00%	1.83%	0.27%	1.77%
2015	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	929,831	108,266	11.64%	5.06%	1.16%	7.50%	2.16%	5.18%

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11. Referee Activity

	Certificates Issued
Certificate of Compliance	424
Certificate of Non Compliance	1
Parts Cost	57
Hardship Extensions	0
Exempt Vehicle	26
Exempted by Directive	4
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	521

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,129
Stations Locked-Out at Least Once	843
Stations Conducted at Least One Test	6,975

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	1,714
EB (Test and Repair Basic)	78
EI (Repair Only)	3
EO (Test Only)	1,520
EO (Test and Repair)	7,441

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	178,966	46.83	52,673	46.42	231,639	46.73
STAR Test Only	387,257	46.48	63,724	47.68	450,981	46.65
Non-STAR Test and Repair	99,018	50.28	72,297	46.70	171,315	48.77
Non-STAR Test Only	29,340	43.15	9,423	39.24	38,763	42.20
Test and Repair/Dealer	10	81.05	3,825	54.79	3,835	54.86
Test Only Temp	1,103	37.47	146	33.73	1,249	37.04
Total	695,694	46.96	202,088	46.73	897,782	46.90

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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	2,425	24.26	11,397	313.22
	\$51-150	2,132	100.76		
	\$151-250	1,793	201.55		
	\$251-450	2,515	343.50		
	Over \$450	2,532	817.87		
Non-STAR Repairs (Test and Repair)	\$1-50	1,200	22.63	4,610	254.43
	\$51-150	1,118	101.01		
	\$151-250	742	203.54		
	\$251-450	891	335.03		
	Over \$450	659	885.16		
Repair Only	\$1-50	0	0.00	0	0
	\$51-150	0	0.00		
	\$151-250	0	0.00		
	\$251-450	0	0.00		
	Over \$450	0	0.00		
CAP Repairs	\$1-50	42	21.10	717	373.38
	\$51-150	93	103.49		
	\$151-250	93	203.20		
	\$251-450	186	353.18		
	Over \$450	303	569.67		
Total Repairs	\$1-50	3,667	23.69	16,724	299.60
	\$51-150	3,343	100.92		
	\$151-250	2,628	202.17		
	\$251-450	3,592	341.90		
	Over \$450	3,494	809.04		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	764	355.89