

Executive Summary Report

SMOG CHECK Statewide **

April 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	929,865	106,369	11.44%
Total	1,053,926	133,423	12.66%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	813,999	87.54%	115,866	12.46%
Total	908,692	86.22%	145,234	13.78%

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	393,553	86.45%	61,701	13.55%
Non-STAR Test Only	37,109	91.06%	3,645	8.94%
STAR Test and Repair	213,817	87.17%	31,459	12.83%
Non-STAR Test and Repair	164,461	91.96%	14,377	8.04%
Total	808,940	87.92%	111,182	12.08%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	10,433	1.12%
All Emissions	46,749	5.03%
All Visual	19,895	2.14%
All Functional	67,889	7.30%
OBDII	46,375	4.99%
Overall	106,369	11.44%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	739,149	88,547	11.98%	8,437	1.14%
Partial	49,336	5,834	11.83%	558	1.13%
Basic	84,667	7,031	8.30%	819	0.97%
Change of Ownership	6,125	810	13.22%	147	2.40%
No Program	1	1	100.00%	1	100.00%
Unknown	50,587	4,146	8.20%	471	0.93%
Total Program Area	929,865	106,369	11.44%	10,433	1.12%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	455,254	60,610	13.31%	6,064	1.33%
Non-STAR Test Only	40,754	3,422	8.40%	269	0.66%
STAR Test and Repair	245,276	29,922	12.20%	2,951	1.20%
Non-STAR Test and Repair	178,838	11,630	6.50%	1,059	0.59%
Test Only Temp	776	94	12.11%	9	1.16%
Test and Repair/Dealer	4,260	112	2.63%	5	0.12%
Business Fleet	6	0	0.00%	0	0.00%
Permanent Fleet Registered	17	0	0.00%	0	0.00%
Referee	515	238	46.21%	33	6.41%
Government Fleet	4,169	341	8.18%	43	1.03%
Repair Only	0	0	0.00%	0	0.00%
Total	929,865	106,369	11.44%	10,433	1.12%

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	191,441	323	152,081	83
Non-Directed	263,813	40,431	241,472	37,026
Total	455,254	40,754	393,553	37,109

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	77,504	947	60,928	47
Non-Directed	167,772	177,891	152,889	164,414
Total	245,276	178,838	213,817	164,461

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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	1,957	88	2,045
STAR Regular Test and Repair CAP Basic	137	0	0	0	137
STAR Regular Test and Repair CAP COO	0	67	0	0	67
STAR Test Only	16	0	1,880	28	1,924
Non-STAR Regular Test and Repair	478	36	2,222	233	2,969
Non-STAR Test Only	14	0	464	12	490
Repair Only	3	0	75	2	80
Basic Area Dealer	77	0	0	0	77
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	772	106	6,914	373	8,165

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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	3	1	33.33%	33.33%	0.00%	0.00%	33.33%	0.00%
1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	895	290	32.40%	21.56%	9.16%	17.21%	10.39%	0.00%
1977	1049	319	30.41%	18.11%	6.67%	20.40%	11.82%	0.00%
1978	1229	394	32.06%	22.13%	9.93%	16.03%	11.15%	0.00%
1979	1248	429	34.38%	23.48%	10.10%	18.59%	12.18%	0.00%
1980	738	215	29.13%	20.60%	9.35%	14.77%	9.49%	0.00%
1981	874	312	35.70%	26.09%	10.76%	17.39%	12.13%	0.00%
1982	941	335	35.60%	26.25%	10.41%	19.45%	10.20%	0.00%
1983	1,354	468	34.56%	25.18%	9.08%	17.80%	11.96%	0.00%
1984	2,236	760	33.99%	24.78%	9.97%	18.20%	9.66%	0.00%
1985	3,220	1,121	34.81%	25.59%	9.69%	18.54%	9.94%	0.00%
1986	4,190	1,370	32.70%	22.67%	8.71%	17.16%	9.21%	0.00%
1987	4,835	1,627	33.65%	24.22%	8.09%	17.77%	8.36%	0.00%
1988	5,856	1,827	31.20%	22.56%	7.82%	15.88%	7.29%	0.00%
1989	8,207	2,481	30.23%	21.41%	6.67%	15.24%	6.92%	0.00%
1990	10,041	2,885	28.73%	20.31%	5.47%	14.05%	6.10%	0.00%
1991	12,209	3,516	28.80%	20.64%	5.42%	14.00%	5.82%	0.00%
1992	12,595	3,524	27.98%	20.56%	5.47%	12.87%	5.57%	0.00%
1993	15,587	4,748	30.46%	22.67%	4.86%	13.08%	5.76%	0.00%
1994	21,369	5,876	27.50%	20.02%	3.78%	11.77%	5.07%	0.00%
1995	22,620	6,173	27.29%	19.43%	3.44%	11.61%	5.37%	0.00%
1996	29,540	6,286	21.28%	11.04%	1.45%	12.19%	3.73%	10.22%
1997	30,553	6,283	20.56%	9.82%	1.52%	12.58%	3.51%	10.81%
1998	45,088	7,144	15.84%	6.72%	1.11%	9.89%	3.00%	8.72%
1999	42,172	6,112	14.49%	4.95%	0.85%	10.13%	2.65%	9.09%
2000	74,846	8,415	11.24%	3.04%	0.55%	8.32%	2.04%	7.71%
2001	45,180	6,363	14.08%	2.71%	0.48%	11.74%	2.15%	11.36%
2002	84,488	7,646	9.05%	1.49%	0.27%	7.32%	1.53%	7.08%
2003	42,232	4,048	9.59%	1.69%	0.35%	7.73%	1.63%	7.53%
2004	97,130	5,758	5.93%	0.79%	0.16%	4.86%	0.92%	4.71%
2005	39,579	2,370	5.99%	0.86%	0.13%	4.86%	0.99%	4.73%
2006	102,292	3,745	3.66%	0.44%	0.06%	2.99%	0.53%	2.93%
2007	32,420	1,090	3.36%	0.49%	0.10%	2.75%	0.47%	2.65%
2008	85,716	1,752	2.04%	0.24%	0.04%	1.63%	0.29%	1.57%
2009	9,205	167	1.81%	0.48%	0.04%	1.46%	0.14%	1.42%
2010	11,939	180	1.51%	0.24%	0.02%	1.30%	0.15%	1.27%
2011	7,895	129	1.63%	0.20%	0.03%	1.38%	0.18%	1.34%
2012	9,149	93	1.02%	0.21%	0.02%	0.89%	0.05%	0.85%
2013	6,725	74	1.10%	0.15%	0.01%	0.98%	0.04%	0.98%
2014	2,387	42	1.76%	0.25%	0.00%	1.59%	0.08%	1.55%
2015	32	1	3.13%	0.00%	0.00%	3.13%	0.00%	3.13%
All Model Years	929,865	106,369	11.44%	5.03%	1.12%	7.30%	2.14%	4.99%

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11. Referee Activity

	Certificates Issued
Certificate of Compliance	533
Certificate of Non Compliance	0
Parts Cost	70
Hardship Extensions	0
Exempt Vehicle	26
Exempted by Directive	1
Parts Exemption	11
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	641

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,173
Stations Locked-Out at Least Once	858
Stations Conducted at Least One Test	6,992

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	971
EB (Test and Repair Basic)	45
EI (Repair Only)	1
EO (Test Only)	1,692
EO (Test and Repair)	8,057

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	184,386	46.65	53,975	46.74	238,361	46.67
STAR Test Only	379,810	46.58	63,322	47.80	443,132	46.75
Non-STAR Test and Repair	98,109	50.67	72,794	47.20	170,903	49.19
Non-STAR Test Only	28,502	43.43	10,080	39.38	38,582	42.37
Test and Repair/Dealer	8	53.82	3,917	56.63	3,925	56.63
Test Only Temp	667	49.08	87	51.19	754	49.32
Total	691,482	47.05	204,175	47.06	895,657	47.05

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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	2,557	23.57	11,713	313.90
	\$51-150	2,162	99.41		
	\$151-250	1,780	202.82		
	\$251-450	2,575	342.59		
	Over \$450	2,639	817.88		
Non-STAR Repairs (Test and Repair)	\$1-50	1,257	22.95	4,675	265.43
	\$51-150	1,054	101.33		
	\$151-250	740	200.02		
	\$251-450	888	337.88		
	Over \$450	736	892.9		
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	72	22.72	882	377.69
	\$51-150	98	103.1		
	\$151-250	100	195.81		
	\$251-450	217	355.7		
	Over \$450	395	568.64		
Total Repairs	\$1-50	3,886	23.35	17,270	304.04
	\$51-150	3,314	100.13		
	\$151-250	2,620	201.76		
	\$251-450	3,680	342.22		
	Over \$450	3,770	806.41		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	867	367.80