

Executive Summary Report

SMOG CHECK Statewide **

May 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	950,730	104,075	10.95%
Total	1,069,206	129,711	12.13%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	838,330	88.18%	112,400	11.82%
Total	929,111	86.90%	140,095	13.10%

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	407,355	87.08%	60,451	12.92%
Non-STAR Test Only	35,067	91.48%	3,264	8.52%
STAR Test and Repair	224,753	87.85%	31,092	12.15%
Non-STAR Test and Repair	166,633	92.45%	13,607	7.55%
Total	833,808	88.49%	108,414	11.51%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	9,996	1.05%
All Emissions	46,047	4.84%
All Visual	19,253	2.03%
All Functional	65,440	6.88%
OBDII	44,582	4.69%
Overall	104,075	10.95%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	759,081	87,059	11.47%	8,168	1.08%
Partial	49,258	5,580	11.33%	535	1.09%
Basic	86,225	6,842	7.94%	779	0.90%
Change of Ownership	5,851	738	12.61%	114	1.95%
No Program	4	0	0.00%	0	0.00%
Unknown	50,311	3,856	7.66%	400	0.80%
Total Program Area	950,730	104,075	10.95%	9,996	1.05%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	467,806	59,488	12.72%	5,879	1.26%
Non-STAR Test Only	38,331	3,092	8.07%	266	0.69%
STAR Test and Repair	255,845	29,861	11.67%	2,782	1.09%
Non-STAR Test and Repair	180,240	11,015	6.11%	991	0.55%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	4,361	103	2.36%	7	0.16%
Business Fleet	8	1	12.50%	0	0.00%
Permanent Fleet Registered	36	1	2.78%	0	0.00%
Referee	508	223	43.90%	30	5.91%
Government Fleet	3,595	291	8.09%	41	1.14%
Repair Only	0	0	0.00%	0	0.00%
Total	950,730	104,075	10.95%	9,996	1.05%

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	195,963	267	156,833	89
Non-Directed	271,843	38,064	250,522	34,978
Total	467,806	38,331	407,355	35,067

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	80,827	869	64,109	39
Non-Directed	175,018	179,371	160,644	166,594
Total	255,845	180,240	224,753	166,633

Executive Summary Report

SMOG CHECK Statewide**

May 2014

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	1,976	90	2,066
STAR Regular Test and Repair CAP Basic	137	0	0	0	137
STAR Regular Test and Repair CAP COO	0	66	0	0	66
STAR Test Only	16	0	1,854	25	1,895
Non-STAR Regular Test and Repair	474	40	2,203	228	2,945
Non-STAR Test Only	14	0	482	14	510
Repair Only	3	1	74	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	253	9	301
Unknown Type	0	0	1	0	1
Total	768	110	6,910	369	8,157

Executive Summary Report

SMOG CHECK Statewide**

May 2014

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
1929	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1960	3	1	33.33%	33.33%	0.00%	0.00%	33.33%	0.00%
1973	1	1	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%
1976	788	231	29.31%	19.54%	9.26%	16.50%	10.91%	0.00%
1977	1034	344	33.27%	20.02%	8.22%	19.05%	10.44%	0.00%
1978	1203	340	28.26%	17.54%	7.15%	15.63%	10.64%	0.00%
1979	1199	381	31.78%	20.85%	8.26%	18.77%	10.09%	0.00%
1980	731	225	30.78%	21.34%	9.99%	17.92%	11.08%	0.00%
1981	813	295	36.29%	24.97%	11.93%	19.56%	11.81%	0.00%
1982	975	328	33.64%	24.10%	10.05%	17.74%	13.03%	0.00%
1983	1,364	445	32.62%	23.90%	9.75%	17.82%	10.78%	0.00%
1984	2,324	794	34.17%	24.96%	10.28%	17.04%	9.94%	0.00%
1985	3,015	956	31.71%	23.52%	9.25%	15.36%	9.49%	0.00%
1986	4,198	1,326	31.59%	22.30%	7.74%	16.22%	8.81%	0.00%
1987	4,724	1,501	31.77%	23.60%	8.36%	15.41%	8.17%	0.00%
1988	5,870	1,741	29.66%	21.12%	6.85%	15.52%	6.73%	0.00%
1989	7,828	2,258	28.85%	20.21%	6.06%	14.91%	6.44%	0.00%
1990	10,261	3,023	29.46%	21.37%	5.64%	13.80%	5.66%	0.00%
1991	12,224	3,485	28.51%	20.79%	5.33%	13.24%	5.32%	0.00%
1992	12,797	3,639	28.44%	20.39%	5.49%	13.21%	5.60%	0.00%
1993	16,019	4,775	29.81%	22.45%	4.66%	12.82%	5.15%	0.00%
1994	21,568	5,652	26.21%	18.67%	3.29%	11.44%	5.01%	0.00%
1995	22,148	6,014	27.15%	19.47%	3.48%	11.52%	5.12%	0.00%
1996	30,109	6,287	20.88%	11.29%	1.49%	11.64%	3.60%	9.73%
1997	30,336	6,024	19.86%	9.94%	1.52%	11.73%	3.40%	9.95%
1998	45,795	6,959	15.20%	6.25%	0.99%	9.53%	2.80%	8.40%
1999	42,224	5,859	13.88%	4.69%	0.73%	9.54%	2.65%	8.57%
2000	76,459	8,145	10.65%	2.92%	0.52%	7.64%	1.96%	7.10%
2001	43,911	5,893	13.42%	2.64%	0.48%	11.02%	2.10%	10.65%
2002	88,425	7,978	9.02%	1.42%	0.25%	7.23%	1.58%	6.95%
2003	42,115	3,851	9.14%	1.74%	0.31%	7.35%	1.48%	7.14%
2004	103,426	5,861	5.67%	0.75%	0.13%	4.59%	0.87%	4.46%
2005	39,326	2,196	5.58%	0.88%	0.16%	4.50%	0.90%	4.40%
2006	106,903	3,779	3.53%	0.49%	0.07%	2.81%	0.48%	2.75%
2007	31,838	946	2.97%	0.48%	0.06%	2.32%	0.40%	2.24%
2008	89,894	1847	2.05%	0.31%	0.05%	1.57%	0.31%	1.52%
2009	9,387	173	1.84%	0.36%	0.05%	1.45%	0.22%	1.42%
2010	11,741	171	1.46%	0.32%	0.04%	1.17%	0.16%	1.11%
2011	7,894	119	1.51%	0.33%	0.04%	1.23%	0.08%	1.14%
2012	8,983	101	1.12%	0.24%	0.01%	0.91%	0.11%	0.91%
2013	7,972	95	1.19%	0.13%	0.00%	1.02%	0.11%	0.98%
2014	2782	34	1.22%	0.22%	0.00%	0.97%	0.25%	0.97%
2015	122	2	1.64%	0.82%	0.82%	0.82%	0.00%	0.82%
All Model Years	950,730	104,075	10.95%	4.84%	1.05%	6.88%	2.03%	4.69%

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11. Referee Activity

	Certificates Issued
Certificate of Compliance	522
Certificate of Non Compliance	0
Parts Cost	55
Hardship Extensions	0
Exempt Vehicle	32
Exempted by Directive	4
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	618

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,183
Stations Locked-Out at Least Once	897
Stations Conducted at Least One Test	6,974

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	639
EB (Test and Repair Basic)	28
EI (Repair Only)	1
EO (Test Only)	1,765
EO (Test and Repair)	8,242

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	193,177	46.74	55,437	46.61	248,614	46.71
STAR Test Only	391,414	46.92	65,351	48.15	456,765	47.10
Non-STAR Test and Repair	98,999	50.53	73,453	47.10	172,452	49.07
Non-STAR Test Only	27,100	43.01	9,853	38.88	36,953	41.90
Test and Repair/Dealer	7	70.75	4,039	55.86	4,046	55.88
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	710,697	47.23	208,133	47.08	918,830	47.19

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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	2,435	24.11	11,173	308.33
	\$51-150	2,112	100.07		
	\$151-250	1,678	202.34		
	\$251-450	2,448	342.49		
	Over \$450	2,500	798.79		
Non-STAR Repairs (Test and Repair)	\$1-50	1,134	21.84	4,121	263.21
	\$51-150	922	100.37		
	\$151-250	622	203.1		
	\$251-450	779	336.24		
	Over \$450	664	872.13		
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	51	25.9	719	362.91
	\$51-150	96	104.04		
	\$151-250	96	201.07		
	\$251-450	193	357.21		
	Over \$450	283	570.24		
Total Repairs	\$1-50	3,620	23.43	16,013	299.17
	\$51-150	3,130	100.28		
	\$151-250	2,396	202.49		
	\$251-450	3,420	341.9		
	Over \$450	3,447	794.16		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	724	352.42