

Executive Summary Report

SMOG CHECK Statewide **

December 2014

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	332,979	53,250	15.99%
Total	392,573	67,594	17.22%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	273,935	82.27%	59,044	17.73%
Total	317,894	80.98%	74,679	19.02%

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	139,638	81.10%	32,540	18.90%
Non-STAR Test Only	13,904	90.57%	1,447	9.43%
STAR Test and Repair	65,298	80.32%	16,002	19.68%
Non-STAR Test and Repair	54,017	88.92%	6,728	11.08%
Total	272,857	82.79%	56,717	17.21%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	6,614	1.99%
All Emissions	28,379	8.52%
All Visual	10,717	3.22%
All Functional	30,843	9.26%
OBDII	16,448	4.94%
Overall	53,250	15.99%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	262,533	44,362	16.90%	5,315	2.02%
Partial	17,806	2,944	16.53%	361	2.03%
Basic	34,149	3,636	10.65%	538	1.58%
Change of Ownership	2,730	434	15.90%	102	3.74%
No Program	2	0	0.00%	0	0.00%
Unknown	15,759	1,874	11.89%	298	1.89%
Total Program Area	332,979	53,250	15.99%	6,614	1.99%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	172,178	31,887	18.52%	3,928	2.28%
Non-STAR Test Only	15,351	1,284	8.36%	119	0.78%
STAR Test and Repair	81,300	14,763	18.16%	1,929	2.37%
Non-STAR Test and Repair	60,745	4,989	8.21%	595	0.98%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	991	34	3.43%	5	0.50%
Business Fleet	0	0	0.00%	0	0.00%
Permanent Fleet Registered	28	0	0.00%	0	0.00%
Referee	277	138	49.82%	17	6.14%
Government Fleet	2,109	155	7.35%	21	1.00%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	0	0	0.00%	0	0.00%
Total	332,979	53,250	15.99%	6,614	1.99%

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	112,302	149	88,629	84
Non-Directed	59,876	15,202	51,009	13,820
Total	172,178	15,351	139,638	13,904

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	41,964	454	32,677	47
Non-Directed	39,336	60,291	32,621	53,970
Total	81,300	60,745	65,298	54,017

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

Executive Summary Report

SMOG CHECK Statewide**

December 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	2,093	93	2,186
STAR Regular Test and Repair CAP Basic	142	0	0	0	142
STAR Regular Test and Repair CAP COO	0	69	0	0	69
STAR Test Only	15	0	1,867	31	1,913
Non-STAR Regular Test and Repair	480	34	2,249	233	2,996
Non-STAR Test Only	15	1	429	13	458
Repair Only	3	1	63	2	69
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	38	2	255	10	305
Unknown Type	0	0	1	0	1
Total	780	108	7,024	383	8,295

Executive Summary Report

SMOG CHECK Statewide**

December 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
1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	536	174	32.46%	22.39%	8.96%	16.98%	12.69%	0.00%
1977	717	214	29.85%	18.69%	7.11%	17.71%	10.04%	0.00%
1978	828	237	28.62%	15.82%	6.04%	17.39%	9.54%	0.00%
1979	947	300	31.68%	20.49%	8.13%	17.53%	11.62%	0.00%
1980	528	156	29.55%	18.94%	9.09%	17.80%	10.98%	0.00%
1981	638	197	30.88%	22.88%	9.09%	16.46%	9.72%	0.00%
1982	678	220	32.45%	22.27%	9.73%	19.17%	10.18%	0.00%
1983	755	236	31.26%	23.44%	9.27%	15.50%	10.60%	0.00%
1984	1,568	508	32.40%	23.85%	10.14%	15.31%	8.48%	0.00%
1985	2,071	646	31.19%	22.74%	9.13%	16.37%	8.59%	0.00%
1986	3,112	961	30.88%	21.37%	8.58%	16.55%	8.10%	0.00%
1987	3,877	1,192	30.75%	22.18%	8.00%	15.19%	7.71%	0.00%
1988	3,946	1,153	29.22%	20.20%	7.30%	15.36%	7.07%	0.00%
1989	5,862	1,645	28.06%	19.52%	5.95%	14.70%	6.77%	0.00%
1990	7,301	2,032	27.83%	19.31%	5.42%	14.11%	6.14%	0.00%
1991	8,982	2,378	26.48%	18.44%	5.01%	13.09%	5.20%	0.00%
1992	8,747	2,347	26.83%	18.66%	5.17%	12.80%	5.34%	0.00%
1993	11,236	3,226	28.71%	21.36%	4.57%	12.28%	5.58%	0.00%
1994	15,003	3,871	25.80%	18.06%	3.36%	11.51%	4.97%	0.00%
1995	18,540	4,555	24.57%	16.99%	3.23%	10.67%	5.03%	0.00%
1996	20,084	4,076	20.29%	9.98%	1.44%	12.02%	3.62%	10.24%
1997	25,519	4,991	19.56%	9.30%	1.50%	11.56%	3.63%	9.83%
1998	32,960	5,230	15.87%	6.50%	1.03%	10.09%	3.06%	8.95%
1999	36,948	4,953	13.41%	4.44%	0.76%	9.11%	2.74%	8.16%
2000	12,162	1,397	11.49%	3.54%	0.77%	8.63%	2.13%	7.95%
2001	10,661	1,243	11.66%	2.80%	0.42%	9.59%	1.83%	9.04%
2002	12,523	1,296	10.35%	2.09%	0.69%	8.46%	1.60%	8.15%
2003	10,855	883	8.13%	1.79%	0.36%	6.61%	1.27%	6.26%
2004	13,100	926	7.07%	1.26%	0.27%	5.88%	1.16%	5.61%
2005	9,881	519	5.25%	1.16%	0.22%	4.17%	0.95%	4.01%
2006	14,270	675	4.73%	0.88%	0.19%	3.88%	0.61%	3.74%
2007	9,586	244	2.55%	0.64%	0.13%	1.95%	0.33%	1.78%
2008	11,555	302	2.61%	0.56%	0.11%	2.20%	0.28%	2.09%
2009	4,363	74	1.70%	0.37%	0.00%	1.49%	0.28%	1.31%
2010	2,780	46	1.65%	0.32%	0.00%	1.51%	0.18%	1.37%
2011	3,590	53	1.48%	0.36%	0.08%	1.28%	0.11%	1.23%
2012	2,045	29	1.42%	0.93%	0.10%	1.08%	0.20%	1.08%
2013	2,249	35	1.56%	0.80%	0.00%	1.24%	0.13%	1.16%
2014	1,675	22	1.31%	0.24%	0.00%	0.96%	0.30%	0.96%
2015	299	8	2.68%	0.00%	0.00%	2.68%	0.00%	2.68%
All Model Years	332,979	53,250	15.99%	8.52%	1.99%	9.26%	3.22%	4.94%



Executive Summary Report

SMOG CHECK Statewide**

December 2014

11. Referee Activity

	Certificates Issued
Certificate of Compliance	290
Certificate of Non Compliance	0
Parts Cost	28
Hardship Extensions	0
Exempt Vehicle	22
Exempted by Directive	3
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	348

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,970
Stations Locked-Out at Least Once	840
Stations Conducted at Least One Test	6,325

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	37
EB (Test and Repair Basic)	1
EI (Repair Only)	1
EO (Test Only)	1,995
EO (Test and Repair)	6,865

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	61,452	47.10	18,629	46.42	80,081	46.94
STAR Test Only	149,536	46.41	19,960	46.84	169,496	46.46
Non-STAR Test and Repair	29,698	51.42	28,903	46.45	58,601	48.97
Non-STAR Test Only	9,744	41.23	4,210	38.05	13,954	40.27
Test and Repair/Dealer	0	0.00	951	52.46	951	52.46
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	250,430	46.97	72,653	46.14	323,083	46.78

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December 2014

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	1,484	24.98	6,046	283.56
	\$51-150	1,220	100.48		
	\$151-250	891	203.02		
	\$251-450	1,220	341.19		
	Over \$450	1,231	777.92		
Non-STAR Repairs (Test and Repair)	\$1-50	540	21.88	1,963	238.28
	\$51-150	500	101.44		
	\$151-250	336	198.29		
	\$251-450	332	333.02		
	Over \$450	255	894.18		
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	22	20.32	496	388.77
	\$51-150	53	104.02		
	\$151-250	61	199.39		
	\$251-450	141	359		
	Over \$450	219	566.61		
Total Repairs	\$1-50	2,046	24.11	8,505	279.25
	\$51-150	1,773	100.86		
	\$151-250	1,288	201.61		
	\$251-450	1,693	341.07		
	Over \$450	1,705	768.17		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	476	378.23