

Executive Summary Report

SMOG CHECK Statewide **

February 2015

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	344,045	62,893	18.28%
Total	413,527	80,016	19.35%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	276,589	80.39%	67,456	19.61%
Total	327,548	79.21%	85,979	20.79%

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	149,252	79.80%	37,777	20.20%
Non-STAR Test Only	13,650	89.02%	1,684	10.98%
STAR Test and Repair	67,991	78.71%	18,395	21.29%
Non-STAR Test and Repair	44,559	87.45%	6,394	12.55%
Total	275,452	81.09%	64,250	18.91%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	7,988	2.32%
All Emissions	34,404	10.00%
All Visual	13,395	3.89%
All Functional	35,201	10.23%
OBDII	17,755	5.16%
Overall	62,893	18.28%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	272,663	52,350	19.20%	6,389	2.34%
Partial	19,207	3,627	18.88%	481	2.50%
Basic	36,214	4,314	11.91%	654	1.81%
Change of Ownership	2,942	513	17.44%	111	3.77%
No Program	5	0	0.00%	0	0.00%
Unknown	13,014	2,089	16.05%	353	2.71%
Total Program Area	344,045	62,893	18.28%	7,988	2.32%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	187,029	37,428	20.01%	4,737	2.53%
Non-STAR Test Only	15,334	1,607	10.48%	157	1.02%
STAR Test and Repair	86,386	17,870	20.69%	2,304	2.67%
Non-STAR Test and Repair	50,953	5,466	10.73%	714	1.40%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	967	54	5.58%	5	0.52%
Business Fleet	0	0	0.00%	0	0.00%
Permanent Fleet Registered	61	3	4.92%	0	0.00%
Referee	353	176	49.86%	21	5.95%
Government Fleet	2,962	289	9.76%	50	1.69%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	0	0	0.00%	0	0.00%
Total	344,045	62,893	18.28%	7,988	2.32%

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	126,049	101	98,702	31
Non-Directed	60,980	15,233	50,550	13,619
Total	187,029	15,334	149,252	13,650

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	49,223	431	37,728	35
Non-Directed	37,163	50,522	30,263	44,524
Total	86,386	50,953	67,991	44,559

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

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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	2,115	98	2,213
STAR Regular Test and Repair CAP Basic	143	0	0	0	143
STAR Regular Test and Repair CAP COO	0	68	0	0	68
STAR Test Only	15	0	1,881	28	1,924
Non-STAR Regular Test and Repair	490	35	2,266	229	3,020
Non-STAR Test Only	14	1	397	14	426
Repair Only	3	1	64	2	70
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	39	2	263	10	314
Unknown Type	0	0	1	0	1
Total	791	108	7,054	382	8,335

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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
1976	677	191	28.21%	17.73%	7.53%	16.25%	9.60%	0.00%
1977	895	279	31.17%	19.89%	7.49%	17.32%	10.06%	0.00%
1978	982	312	31.77%	20.26%	8.15%	16.50%	10.39%	0.00%
1979	1109	366	33.00%	23.62%	8.75%	17.67%	9.47%	0.00%
1980	665	207	31.13%	20.30%	9.92%	17.44%	13.68%	0.00%
1981	726	230	31.68%	22.59%	10.33%	16.80%	11.85%	0.00%
1982	782	252	32.23%	23.15%	8.44%	15.98%	9.34%	0.00%
1983	1046	373	35.66%	24.09%	10.90%	19.98%	11.19%	0.00%
1984	1,844	634	34.38%	25.43%	10.79%	18.06%	10.52%	0.00%
1985	2,529	833	32.94%	22.97%	8.03%	17.60%	9.69%	0.00%
1986	3,272	1056	32.27%	22.10%	8.31%	17.33%	8.86%	0.00%
1987	4,061	1,284	31.62%	22.38%	6.94%	15.51%	8.25%	0.00%
1988	4,943	1,478	29.90%	21.10%	6.82%	14.53%	7.34%	0.00%
1989	6,791	1,923	28.32%	19.56%	5.57%	14.02%	7.05%	0.00%
1990	8,461	2,334	27.59%	19.39%	5.70%	13.76%	6.25%	0.00%
1991	10,017	2,787	27.82%	19.42%	5.15%	13.64%	5.93%	0.00%
1992	10,706	3,047	28.46%	19.55%	5.22%	13.59%	6.14%	0.00%
1993	13,012	3,827	29.41%	21.66%	4.84%	12.90%	5.75%	0.00%
1994	17,583	4,839	27.52%	19.01%	4.09%	12.48%	6.01%	0.00%
1995	24,061	6,083	25.28%	17.50%	3.03%	10.39%	5.23%	0.00%
1996	20,553	4,537	22.07%	11.18%	1.78%	12.96%	4.32%	10.97%
1997	34,836	6,665	19.13%	9.09%	1.43%	11.11%	3.76%	9.45%
1998	33,334	5,799	17.40%	7.41%	1.33%	10.72%	3.58%	9.52%
1999	50,952	6,736	13.22%	4.43%	0.79%	8.77%	2.72%	7.78%
2000	8,809	1,135	12.88%	4.27%	0.98%	9.60%	2.44%	8.90%
2001	11,097	1,340	12.08%	2.85%	0.57%	9.93%	1.92%	9.32%
2002	8,118	950	11.70%	2.87%	0.54%	9.68%	1.69%	9.18%
2003	11,134	997	8.95%	1.87%	0.55%	7.18%	1.58%	6.61%
2004	7,182	647	9.01%	1.95%	0.45%	7.20%	1.70%	6.73%
2005	11,233	680	6.05%	1.26%	0.31%	4.67%	1.03%	4.35%
2006	6,550	374	5.71%	1.18%	0.20%	4.34%	0.93%	4.02%
2007	10,531	359	3.41%	0.42%	0.11%	2.68%	0.62%	2.51%
2008	4,273	163	3.81%	0.89%	0.19%	3.32%	0.44%	3.14%
2009	5,034	93	1.85%	0.22%	0.00%	1.61%	0.16%	1.51%
2010	1,457	17	1.17%	0.69%	0.07%	0.89%	0.00%	0.89%
2011	1,670	26	1.56%	0.48%	0.12%	1.14%	0.18%	1.08%
2012	1,016	13	1.28%	0.39%	0.00%	1.28%	0.00%	1.28%
2013	968	16	1.65%	0.62%	0.00%	1.55%	0.10%	1.55%
2014	813	8	0.98%	0.25%	0.00%	0.62%	0.37%	0.62%
2015	323	3	0.93%	0.93%	0.00%	0.00%	0.93%	0.00%
All Model Years	344,045	62,893	18.28%	10.00%	2.32%	10.23%	3.89%	5.16%

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11. Referee Activity

	Certificates Issued
Certificate of Compliance	313
Certificate of Non Compliance	0
Parts Cost	36
Hardship Extensions	0
Exempt Vehicle	26
Exempted by Directive	2
Parts Exemption	7
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	384

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	2,131
Stations Locked-Out at Least Once	849
Stations Conducted at Least One Test	6,204

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	17
EB (Test and Repair Basic)	1
EI (Repair Only)	1
EO (Test Only)	2,119
EO (Test and Repair)	6,538

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	66,502	47.18	18,925	47.12	85,427	47.17
STAR Test Only	163,857	46.44	20,696	46.34	184,553	46.42
Non-STAR Test and Repair	21,938	48.53	27,573	45.08	49,511	46.61
Non-STAR Test Only	10,256	41.24	4,374	39.41	14,630	40.69
Test and Repair/Dealer	0	0.00	943	52.10	943	52.10
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	262,553	46.60	72,511	45.72	335,064	46.41

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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	1,721	24.68	7,170	284.56
	\$51-150	1,431	99		
	\$151-250	1,088	202.98		
	\$251-450	1,467	339.83		
	Over \$450	1,463	777.04		
Non-STAR Repairs (Test and Repair)	\$1-50	603	22.08	2,200	234.21
	\$51-150	555	101.43		
	\$151-250	348	202.98		
	\$251-450	392	339.6		
	Over \$450	302	800.97		
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	33	21.73	437	370.00
	\$51-150	50	105.52		
	\$151-250	64	201.3		
	\$251-450	120	352.32		
	Over \$450	170	591.4		
Total Repairs	\$1-50	2,357	23.97	9,807	277.08
	\$51-150	2,036	99.82		
	\$151-250	1,500	202.91		
	\$251-450	1,979	340.54		
	Over \$450	1,935	764.47		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	438	352.70