

Executive Summary Report

SMOG CHECK Statewide **

January 2015

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	354,266	60,634	17.12%
Total	420,931	76,808	18.25%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	289,100	81.61%	65,166	18.39%
Total	338,323	80.37%	82,608	19.63%

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	151,690	80.55%	36,638	19.45%
Non-STAR Test Only	14,130	89.97%	1,576	10.03%
STAR Test and Repair	72,298	80.45%	17,569	19.55%
Non-STAR Test and Repair	49,741	88.66%	6,361	11.34%
Total	287,859	82.24%	62,144	17.76%

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

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	7,172	2.02%
All Emissions	32,049	9.05%
All Visual	12,465	3.52%
All Functional	34,489	9.74%
OBDII	18,080	5.10%
Overall	60,634	17.12%

7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	281,366	50,780	18.05%	5,771	2.05%
Partial	18,914	3,279	17.34%	394	2.08%
Basic	37,144	4,204	11.32%	632	1.70%
Change of Ownership	2,861	462	16.15%	92	3.22%
No Program	3	1	33.33%	0	0.00%
Unknown	13,978	1,908	13.65%	283	2.02%
Total Program Area	354,266	60,634	17.12%	7,172	2.02%

8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	188,328	36,318	19.28%	4,216	2.24%
Non-STAR Test Only	15,706	1,485	9.45%	130	0.83%
STAR Test and Repair	89,867	17,025	18.94%	2,110	2.35%
Non-STAR Test and Repair	56,102	5,361	9.56%	656	1.17%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	1,076	55	5.11%	6	0.56%
Business Fleet	4	0	0.00%	0	0.00%
Permanent Fleet Registered	50	3	6.00%	0	0.00%
Referee	353	169	47.88%	26	7.37%
Government Fleet	2,780	218	7.84%	28	1.01%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	0	0	0.00%	0	0.00%
Total	354,266	60,634	17.12%	7,172	2.02%

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	128,118	114	100,921	33
Non-Directed	60,210	15,592	50,769	14,097
Total	188,328	15,706	151,690	14,130

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	49,783	469	38,617	30
Non-Directed	40,084	55,633	33,681	49,711
Total	89,867	56,102	72,298	49,741

** 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	2,082	93	2,175
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	1,880	31	1,926
Non-STAR Regular Test and Repair	483	34	2,288	233	3,038
Non-STAR Test Only	14	1	419	13	447
Repair Only	4	1	61	2	68
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	263	10	313
Unknown Type	0	0	1	0	1
Total	784	107	7,061	383	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	572	207	36.19%	21.85%	8.22%	19.23%	11.36%	0.00%
1977	838	241	28.76%	15.75%	5.61%	18.14%	10.14%	0.00%
1978	972	302	31.07%	19.96%	8.13%	16.26%	11.01%	0.00%
1979	1075	316	29.40%	20.37%	8.56%	15.81%	9.40%	0.00%
1980	635	188	29.61%	18.11%	9.76%	18.58%	12.13%	0.00%
1981	698	228	32.66%	24.93%	8.74%	15.33%	9.46%	0.00%
1982	743	238	32.03%	20.73%	7.94%	15.48%	12.11%	0.00%
1983	951	308	32.39%	23.13%	8.52%	16.72%	9.99%	0.00%
1984	1,801	636	35.31%	25.37%	10.55%	18.16%	10.66%	0.00%
1985	2,475	796	32.16%	22.79%	8.36%	16.16%	8.20%	0.00%
1986	3,302	1032	31.25%	21.14%	8.24%	16.38%	8.90%	0.00%
1987	3,830	1,206	31.49%	22.69%	7.18%	15.12%	7.75%	0.00%
1988	4,622	1,398	30.25%	21.12%	6.79%	15.19%	7.68%	0.00%
1989	6,628	1,911	28.83%	19.03%	5.36%	14.76%	7.18%	0.00%
1990	8,271	2,282	27.59%	19.57%	5.33%	13.72%	6.05%	0.00%
1991	9,824	2,694	27.42%	19.08%	5.11%	13.61%	5.65%	0.00%
1992	10,381	2,808	27.05%	18.53%	4.82%	12.73%	5.45%	0.00%
1993	12,557	3,667	29.20%	21.35%	4.53%	12.57%	5.77%	0.00%
1994	16,805	4,506	26.81%	18.50%	3.49%	12.04%	5.40%	0.00%
1995	22,936	5,524	24.08%	16.81%	2.98%	9.94%	4.59%	0.00%
1996	20,610	4,393	21.31%	10.42%	1.43%	12.25%	4.23%	10.44%
1997	32,619	6,052	18.55%	8.50%	1.26%	10.97%	3.50%	9.35%
1998	33,038	5,652	17.11%	6.90%	1.14%	10.79%	3.39%	9.54%
1999	49,350	6,367	12.90%	4.05%	0.65%	8.74%	2.70%	7.82%
2000	10,117	1,290	12.75%	3.94%	0.88%	9.54%	2.25%	8.85%
2001	12,234	1,494	12.21%	2.66%	0.51%	10.18%	2.06%	9.59%
2002	9,452	1,084	11.47%	2.33%	0.51%	9.61%	1.65%	9.10%
2003	12,995	1,092	8.40%	1.50%	0.40%	6.91%	1.36%	6.49%
2004	9,002	739	8.21%	1.58%	0.37%	6.70%	1.19%	6.31%
2005	12,672	688	5.43%	0.78%	0.18%	4.54%	0.67%	4.32%
2006	8,790	447	5.09%	0.96%	0.13%	3.98%	0.86%	3.78%
2007	12,310	369	3.00%	0.55%	0.13%	2.37%	0.37%	2.25%
2008	6,268	205	3.27%	0.54%	0.08%	2.58%	0.41%	2.50%
2009	5,764	134	2.32%	0.35%	0.10%	1.84%	0.31%	1.77%
2010	1,810	33	1.82%	0.66%	0.11%	1.44%	0.17%	1.38%
2011	2,865	49	1.71%	0.35%	0.03%	1.43%	0.07%	1.40%
2012	1,541	21	1.36%	0.52%	0.00%	1.04%	0.13%	1.04%
2013	1,413	22	1.56%	0.57%	0.00%	1.56%	0.14%	1.56%
2014	1,177	10	0.85%	0.34%	0.00%	0.42%	0.42%	0.34%
2015	323	5	1.55%	0.62%	0.00%	0.93%	0.62%	0.93%
All Model Years	354,266	60,634	17.12%	9.05%	2.02%	9.74%	3.52%	5.10%



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11. Referee Activity

	Certificates Issued
Certificate of Compliance	327
Certificate of Non Compliance	0
Parts Cost	25
Hardship Extensions	0
Exempt Vehicle	20
Exempted by Directive	1
Parts Exemption	3
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	376

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	2,078
Stations Locked-Out at Least Once	821
Stations Conducted at Least One Test	6,257

13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	29
EB (Test and Repair Basic)	1
EI (Repair Only)	1
EO (Test Only)	2,073
EO (Test and Repair)	6,724

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	71,501	47.07	20,423	45.90	91,924	46.81
STAR Test Only	172,304	46.48	21,855	46.89	194,159	46.53
Non-STAR Test and Repair	26,183	50.31	29,651	45.85	55,834	47.94
Non-STAR Test Only	10,935	40.82	4,458	38.20	15,393	40.06
Test and Repair/Dealer	0	0.00	1,047	52.50	1,047	52.50
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	280,923	46.77	77,434	45.81	358,357	46.56

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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	1,666	25.13	7,049	277.64
	\$51-150	1,460	99.79		
	\$151-250	1,097	202.45		
	\$251-450	1,461	340.98		
	Over \$450	1,365	768.71		
Non-STAR Repairs (Test and Repair)	\$1-50	653	22.19	2,198	232.93
	\$51-150	483	103.85		
	\$151-250	385	202.1		
	\$251-450	393	336.85		
	Over \$450	284	834.96		
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	27	19.22	423	365.50
	\$51-150	46	106.52		
	\$151-250	46	204.43		
	\$251-450	122	343.54		
	Over \$450	182	537.76		
Total Repairs	\$1-50	2,346	24.24	9,670	271.32
	\$51-150	1,989	100.93		
	\$151-250	1,528	202.42		
	\$251-450	1,976	340.32		
	Over \$450	1,831	756.03		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	435	347.00