

# Executive Summary Report

## SMOG CHECK Statewide \*\*

### October 2014

#### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	425,761	66,598	15.64%
Total	504,449	85,682	16.99%

#### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	352,953	82.90%	72,808	17.10%
Total	410,996	81.47%	93,453	18.53%

#### 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	171,068	81.42%	39,048	18.58%
Non-STAR Test Only	18,878	89.40%	2,238	10.60%
STAR Test and Repair	86,579	81.00%	20,305	19.00%
Non-STAR Test and Repair	74,885	89.49%	8,798	10.51%
Total	351,410	83.31%	70,389	16.69%

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

#### 4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	8,300	1.95%
All Emissions	35,411	8.32%
All Visual	13,350	3.14%
All Functional	38,333	9.00%
OBDII	20,808	4.89%
Overall	66,598	15.64%

#### 7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	333,666	55,083	16.51%	6,591	1.98%
Partial	22,908	3,784	16.52%	487	2.13%
Basic	42,615	4,554	10.69%	715	1.68%
Change of Ownership	3,706	582	15.70%	135	3.64%
No Program	5	1	20.00%	0	0.00%
Unknown	22,861	2,594	11.35%	372	1.63%
Total Program Area	425,761	66,598	15.64%	8,300	1.95%

#### 8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	210,116	38,360	18.26%	4,818	2.29%
Non-STAR Test Only	21,116	2,059	9.75%	179	0.85%
STAR Test and Repair	106,884	18,921	17.70%	2,438	2.28%
Non-STAR Test and Repair	83,683	6,827	8.16%	796	0.95%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	1,364	74	5.43%	10	0.73%
Business Fleet	8	0	0.00%	0	0.00%
Permanent Fleet Registered	105	4	3.81%	0	0.00%
Referee	347	174	50.14%	34	9.80%
Government Fleet	2,137	179	8.38%	25	1.17%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	0	0	0.00%	0	0.00%
Total	425,760	66,598	15.64%	8,300	1.95%

#### 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	128,490	139	100,697	32
Non-Directed	81,626	20,977	70,371	18,846
Total	210,116	21,116	171,068	18,878

#### 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	49,712	597	38,145	30
Non-Directed	57,172	83,086	48,434	74,855
Total	106,884	83,683	86,579	74,885

\*\* 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	2,046	92	2,138
STAR Regular Test and Repair CAP Basic	142	0	0	0	142
STAR Regular Test and Repair CAP COO	0	68	0	0	68
STAR Test Only	15	0	1,881	30	1,926
Non-STAR Regular Test and Repair	484	34	2,225	231	2,974
Non-STAR Test Only	14	1	431	11	457
Repair Only	3	1	59	1	64
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
<b>Total</b>	<b>783</b>	<b>107</b>	<b>6,965</b>	<b>376</b>	<b>8,231</b>

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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
1934	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1965	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	616	194	31.49%	21.10%	7.79%	16.72%	11.36%	0.00%
1977	941	291	30.92%	19.02%	8.29%	18.07%	11.05%	0.00%
1978	969	320	33.02%	20.12%	9.49%	19.30%	12.38%	0.00%
1979	1112	376	33.81%	22.75%	9.98%	18.71%	10.43%	0.00%
1980	602	190	31.56%	20.10%	8.80%	19.10%	12.13%	0.00%
1981	735	251	34.15%	24.22%	10.48%	17.41%	10.48%	0.00%
1982	883	310	35.11%	23.90%	10.31%	18.35%	11.89%	0.00%
1983	1,011	345	34.12%	23.54%	9.10%	17.51%	10.19%	0.00%
1984	1,875	615	32.80%	24.48%	9.87%	16.37%	9.44%	0.00%
1985	2,545	890	34.97%	25.85%	10.65%	16.97%	9.63%	0.00%
1986	3,760	1,202	31.97%	22.98%	8.88%	16.44%	8.78%	0.00%
1987	4,169	1,313	31.49%	23.24%	7.99%	15.35%	7.58%	0.00%
1988	4,852	1,517	31.27%	22.09%	7.40%	16.20%	7.83%	0.00%
1989	7,279	2,111	29.00%	19.67%	5.69%	14.82%	7.12%	0.00%
1990	8,193	2,326	28.39%	20.52%	6.14%	13.62%	5.76%	0.00%
1991	11,078	3,159	28.52%	20.20%	5.28%	14.08%	5.61%	0.00%
1992	10,697	2,987	27.92%	19.93%	5.38%	12.43%	5.57%	0.00%
1993	13,633	4,030	29.56%	21.98%	4.94%	12.43%	5.53%	0.00%
1994	17,974	4,782	26.61%	18.99%	3.78%	11.92%	5.20%	0.00%
1995	20,757	5,491	26.45%	18.68%	3.53%	11.47%	5.09%	0.00%
1996	23,999	5,016	20.90%	10.27%	1.58%	12.07%	3.99%	10.23%
1997	26,845	5,422	20.20%	9.66%	1.61%	11.97%	3.75%	10.31%
1998	41,783	6,430	15.39%	6.32%	0.98%	9.64%	2.93%	8.47%
1999	35,082	5,040	14.37%	4.97%	0.85%	9.73%	2.99%	8.77%
2000	21,127	2,431	11.51%	3.68%	0.72%	8.21%	2.12%	7.61%
2001	13,318	1,751	13.15%	2.89%	0.59%	10.83%	2.22%	10.29%
2002	23,287	2,240	9.62%	1.98%	0.39%	7.72%	1.50%	7.39%
2003	12,431	1,116	8.98%	1.91%	0.34%	7.20%	1.54%	6.86%
2004	24,566	1,547	6.30%	0.99%	0.17%	5.21%	0.95%	5.01%
2005	10,481	646	6.16%	1.33%	0.25%	4.84%	1.07%	4.60%
2006	27,128	1,088	4.01%	0.71%	0.11%	3.15%	0.59%	3.01%
2007	9,491	297	3.13%	0.68%	0.13%	2.43%	0.47%	2.23%
2008	22,388	570	2.55%	0.41%	0.07%	2.00%	0.36%	1.93%
2009	3,416	68	1.99%	0.50%	0.06%	1.67%	0.26%	1.61%
2010	4,092	56	1.37%	0.37%	0.02%	1.03%	0.15%	0.98%
2011	2,928	49	1.67%	0.61%	0.03%	1.47%	0.14%	1.40%
2012	3,152	49	1.55%	0.51%	0.10%	1.27%	0.13%	1.24%
2013	3,634	56	1.54%	0.30%	0.00%	1.40%	0.06%	1.32%
2014	2,581	22	0.85%	0.12%	0.00%	0.66%	0.15%	0.62%
2015	348	4	1.15%	0.00%	0.00%	1.15%	0.00%	1.15%
All Model Years	425,761	66,598	15.64%	8.32%	1.95%	9.00%	3.14%	4.89%

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#### 11. Referee Activity

	Certificates Issued
Certificate of Compliance	319
Certificate of Non Compliance	0
Parts Cost	48
Hardship Extensions	0
Exempt Vehicle	20
Exempted by Directive	0
Parts Exemption	6
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	393

#### 12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,572
Stations Locked-Out at Least Once	869
Stations Conducted at Least One Test	6,659

#### 13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	78
EB (Test and Repair Basic)	2
EI (Repair Only)	3
EO (Test Only)	1,983
EO (Test and Repair)	7,604

#### 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	81,275	46.70	23,490	46.84	104,765	46.73
STAR Test Only	181,007	46.17	25,004	46.18	206,011	46.17
Non-STAR Test and Repair	42,707	52.52	37,216	47.12	79,923	50.00
Non-STAR Test Only	14,749	42.05	5,342	39.83	20,091	41.46
Test and Repair/Dealer	2	71.25	1,277	55.32	1,279	55.34
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	319,740	46.96	92,329	46.48	412,069	46.85

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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	1,791	23.85	7,537	296.27
	\$51-150	1,430	100.06		
	\$151-250	1,142	201.51		
	\$251-450	1,512	344.18		
	Over \$450	1,662	780.18		
Non-STAR Repairs (Test and Repair)	\$1-50	773	21.69	2,579	244.87
	\$51-150	579	101.73		
	\$151-250	400	200.36		
	\$251-450	468	334.17		
	Over \$450	359	889.49		
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	40	22.1	641	382.67
	\$51-150	77	104.49		
	\$151-250	76	203.46		
	\$251-450	165	353.27		
	Over \$450	283	574.58		
Total Repairs	\$1-50	2,604	23.18	10,757	289.10
	\$51-150	2,086	100.69		
	\$151-250	1,618	201.31		
	\$251-450	2,145	342.7		
	Over \$450	2,304	771.96		

#### 16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	664	380.14