

# Executive Summary Report

## SMOG CHECK Statewide \*\*

### June 2014

#### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	911,499	100,298	11.00%
Total	1,024,651	124,942	12.19%

#### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	803,298	88.13%	108,201	11.87%
Total	889,874	86.85%	134,777	13.15%

#### 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	386,134	86.93%	58,070	13.07%
Non-STAR Test Only	34,068	91.07%	3,342	8.93%
STAR Test and Repair	218,984	87.91%	30,126	12.09%
Non-STAR Test and Repair	159,794	92.47%	13,020	7.53%
Total	798,980	88.43%	104,558	11.57%

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

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

	Failed	Percent (%) Failed
Gross Polluters	9,744	1.07%
All Emissions	44,087	4.84%
All Visual	18,123	1.99%
All Functional	63,059	6.92%
OBDII	43,220	4.74%
Overall	100,298	11.00%

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

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	724,236	83,339	11.51%	7,925	1.09%
Partial	47,937	5,495	11.46%	511	1.07%
Basic	85,464	6,795	7.95%	746	0.87%
Change of Ownership	5,887	751	12.76%	131	2.23%
No Program	5	0	0.00%	0	0.00%
Unknown	47,970	3,918	8.17%	431	0.90%
Total Program Area	911,499	100,298	11.00%	9,744	1.07%

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

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	444,204	57,169	12.87%	5,743	1.29%
Non-STAR Test Only	37,410	3,107	8.31%	237	0.63%
STAR Test and Repair	249,110	28,754	11.54%	2,765	1.11%
Non-STAR Test and Repair	172,814	10,623	6.15%	915	0.53%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	4,122	114	2.77%	4	0.10%
Business Fleet	10	0	0.00%	0	0.00%
Permanent Fleet Registered	85	3	3.53%	0	0.00%
Referee	510	231	45.29%	40	7.84%
Government Fleet	3,233	297	9.19%	40	1.24%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	911,499	100,298	11.00%	9,744	1.07%

#### 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	188,246	284	150,431	90
Non-Directed	255,958	37,126	235,703	33,978
Total	444,204	37,410	386,134	34,068

#### 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	78,614	837	62,692	52
Non-Directed	170,496	171,977	156,292	159,742
Total	249,110	172,814	218,984	159,794

\*\* 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	1,994	90	2,084
STAR Regular Test and Repair CAP Basic	141	0	0	0	141
STAR Regular Test and Repair CAP COO	0	66	0	0	66
STAR Test Only	17	0	1,832	25	1,874
Non-STAR Regular Test and Repair	471	40	2,189	226	2,926
Non-STAR Test Only	14	0	500	14	528
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	254	9	302
Unknown Type	0	0	0	0	0
<b>Total</b>	<b>770</b>	<b>110</b>	<b>6,910</b>	<b>367</b>	<b>8,157</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
1960	2	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	757	238	31.44%	20.61%	8.85%	18.23%	10.04%	0.00%
1977	1044	339	32.47%	18.77%	7.38%	19.16%	10.73%	0.00%
1978	1210	378	31.24%	18.84%	9.67%	17.27%	10.66%	0.00%
1979	1176	368	31.29%	20.41%	8.16%	17.60%	10.80%	0.00%
1980	767	221	28.81%	17.99%	7.95%	16.95%	11.21%	0.00%
1981	873	292	33.45%	25.32%	11.68%	15.23%	11.11%	0.00%
1982	939	308	32.80%	24.49%	10.12%	16.51%	10.33%	0.00%
1983	1,282	422	32.92%	24.73%	10.06%	15.60%	9.75%	0.00%
1984	2,214	734	33.15%	25.29%	11.07%	16.21%	9.80%	0.00%
1985	2,961	1,007	34.01%	24.18%	8.75%	17.39%	10.44%	0.00%
1986	4,039	1,287	31.86%	23.15%	8.64%	16.49%	8.00%	0.00%
1987	4,508	1,451	32.19%	22.94%	7.70%	15.93%	7.87%	0.00%
1988	5,671	1,738	30.65%	22.08%	7.25%	15.02%	7.39%	0.00%
1989	7,546	2,167	28.72%	20.04%	5.98%	14.62%	6.45%	0.00%
1990	9,691	2,799	28.88%	20.78%	5.65%	13.63%	5.81%	0.00%
1991	11,555	3,301	28.57%	20.81%	5.24%	13.34%	5.26%	0.00%
1992	12,411	3,442	27.73%	20.26%	5.31%	12.30%	5.35%	0.00%
1993	14,925	4,505	30.18%	22.46%	4.66%	12.78%	5.43%	0.00%
1994	20,840	5,577	26.76%	19.28%	3.69%	11.43%	4.91%	0.00%
1995	21,513	5,736	26.66%	19.06%	3.47%	11.14%	4.86%	0.00%
1996	28,785	5,942	20.64%	11.02%	1.54%	11.35%	3.60%	9.51%
1997	29,571	5,930	20.05%	9.65%	1.42%	12.21%	3.34%	10.35%
1998	44,845	6,795	15.15%	6.34%	1.04%	9.29%	2.72%	8.16%
1999	40,849	5,642	13.81%	4.87%	0.82%	9.42%	2.49%	8.49%
2000	74,148	7,993	10.78%	2.90%	0.47%	7.75%	1.93%	7.21%
2001	42,467	5,716	13.46%	2.49%	0.44%	11.05%	2.04%	10.69%
2002	86,045	7,471	8.68%	1.45%	0.25%	6.96%	1.43%	6.70%
2003	40,447	3,641	9.00%	1.53%	0.36%	7.22%	1.53%	6.97%
2004	97,452	5,483	5.63%	0.72%	0.14%	4.64%	0.79%	4.48%
2005	38,349	2,245	5.85%	0.89%	0.16%	4.83%	0.86%	4.73%
2006	101,263	3,667	3.62%	0.48%	0.07%	2.94%	0.49%	2.88%
2007	30,049	974	3.24%	0.48%	0.08%	2.58%	0.49%	2.49%
2008	85,432	1,820	2.13%	0.25%	0.05%	1.73%	0.28%	1.68%
2009	9,074	169	1.86%	0.47%	0.06%	1.50%	0.18%	1.47%
2010	11,000	176	1.60%	0.26%	0.02%	1.36%	0.17%	1.35%
2011	7,516	120	1.60%	0.41%	0.08%	1.28%	0.12%	1.25%
2012	8,389	75	0.89%	0.25%	0.01%	0.74%	0.04%	0.69%
2013	6,689	76	1.14%	0.10%	0.04%	0.97%	0.09%	0.93%
2014	3,031	52	1.72%	0.26%	0.00%	1.42%	0.23%	1.35%
2015	173	1	0.58%	0.00%	0.00%	0.58%	0.00%	0.00%
All Model Years	911,499	100,298	11.00%	4.84%	1.07%	6.92%	1.99%	4.74%

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#### 11. Referee Activity

	Certificates Issued
Certificate of Compliance	509
Certificate of Non Compliance	0
Parts Cost	55
Hardship Extensions	0
Exempt Vehicle	32
Exempted by Directive	3
Parts Exemption	9
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	608

#### 12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,195
Stations Locked-Out at Least Once	857
Stations Conducted at Least One Test	6,962

#### 13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	390
EB (Test and Repair Basic)	16
EI (Repair Only)	1
EO (Test Only)	1,828
EO (Test and Repair)	8,369

#### 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	187,251	46.64	55,038	46.82	242,289	46.68
STAR Test Only	370,536	46.93	62,459	47.90	432,995	47.07
Non-STAR Test and Repair	92,861	50.23	72,491	46.31	165,352	48.51
Non-STAR Test Only	26,072	42.81	9,455	37.71	35,527	41.45
Test and Repair/Dealer	14	41.00	3,825	54.37	3,839	54.33
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	676,734	47.15	203,268	46.69	880,002	47.04

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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	2,358	24.23	10,679	318.89
	\$51-150	1,983	101.16		
	\$151-250	1,599	203.15		
	\$251-450	2,339	342.81		
	Over \$450	2,400	842.09		
Non-STAR Repairs (Test and Repair)	\$1-50	1,152	22.33	4,044	245.79
	\$51-150	911	100.71		
	\$151-250	652	201.36		
	\$251-450	732	334.77		
	Over \$450	597	837.78		
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	61	20	725	366.39
	\$51-150	88	101.34		
	\$151-250	84	202.92		
	\$251-450	189	348.85		
	Over \$450	303	569.37		
Total Repairs	\$1-50	3,571	23.55	15,448	301.98
	\$51-150	2,982	101.03		
	\$151-250	2,335	202.64		
	\$251-450	3,260	341.36		
	Over \$450	3,300	816.27		

#### 16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	760	363.35