
WISCONSIN
VEHICLE INSPECTION PROGRAM
ANNUAL REPORT
2016



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BACKGROUND

The Wisconsin Department of Transportation (WisDOT) implemented the Wisconsin Vehicle Inspection Program (WVIP) in April 1984 in response to the federal Clean Air Act requirements. A major focus of the Clean Air Act is to reduce emissions that form ground-level ozone. Motor vehicles, industries, and smaller area sources such as lawn mowers, power boats, paints, solvents and other consumer products emit these ozone precursors. Areas exceeding federal air quality standards – established under the Clean Air Act – are designated as non-attainment and are required by federal law to reduce emissions.

The WVIP is one of the primary components of the strategy to reduce air pollution in southeastern Wisconsin area. Each year, over 600,000 cars and light duty trucks in a seven county region of southeastern Wisconsin's ozone non-attainment area are tested for emissions. The program covers more than 2,500 square miles over seven counties: Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Washington, and Waukesha. Vehicles receive inspections in a decentralized network of approximately 200 private inspection facilities (PIF) located in all seven of the program counties. Vehicle population determines PIF distribution. At the end of calendar year 2016 the PIF per county totals were:

- Kenosha = 13
- Milwaukee = 76
- Racine = 17
- Sheboygan = 13
- Waukesha = 52
- Ozaukee = 11
- Washington = 17

The emissions tests are free to the motorist. The state of Wisconsin pays the program contractor, Opus Inspection, a monthly fee of \$216,330.00. The state Transportation and Petroleum Environmental Cleanup Fund Act (PECFA) funds pay for the program.

PROGRAM OVERVIEW

Geographical Area:	Seven southeastern Wisconsin counties: Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Racine and Kenosha. Testing region covers 2,500 square miles.
Test Procedure:	OBDII testing, in which a vehicle's on-board computer is checked for emissions-related problems, is the standard test for all 1996 and newer gasoline-fueled vehicles equipped with OBDII technology and all 2007 and newer diesel-fueled vehicles equipped with OBDII technology.
Network Size:	200 Private Inspection Facilities, 200 inspection lanes, 5 Technical Assistance Centers
Model Years (MY) Tested	<i>Registration Renewal Testing:</i> Model Years 1996 through 2013

- Model year 1996-2006 gasoline-fueled vehicles up to 8,500 lbs. gross vehicle weight rating
- Model year 2007 and newer gasoline-fueled and diesel-fueled vehicles between 8,501 and 14,000 lbs., gross vehicle weight rating

Change of Ownership: Model year 2011 and older in CY 2016

QUALITY CONTROL/QUALITY ASSURANCE

The WIVIP has several interrelated systems and functions monitoring program performance and accuracy. These systems include digital monitoring of all inspections, trigger reports alerting program management to any testing anomaly, videos of each inspection process, regular overt station checking on equipment performance and covert inspection audits.

The digital monitoring/trigger report capabilities enable constant program monitoring of inspection accuracy. Program management uses this tool to identify and remedy any potential issue. The regular station audits verify the accuracy of program functions at each PIF, the inspector's and inspection analyzer.

NETWORK

The WIVIP is a decentralized test and repair network comprised of 200 Private Inspection Facilities located throughout the seven county program region. The stations receive all analyzer equipment, service, consumables and inspector training, free of charge from Opus Inspection, the program management company. The list of PIFs participating in the network in 2016, and their locations, are attached in Table III.

PROGRAM RATIONALE

Elevated spring and summertime ozone levels remain an air quality challenge along the coast of Lake Michigan, including Southeastern Wisconsin. Despite significant improvements in air quality in recent years, the state currently has two areas (Sheboygan County and part of Kenosha County) that are currently in nonattainment of federal ozone standards.

MOTOR VEHICLE EMISSION REDUCTIONS & AIR QUALITY IMPROVEMENT

Reducing motor vehicle emissions plays a large role in improving regional air quality. Along with reformulated gasoline use, the Wisconsin Vehicle Inspection Program (WVIP) is Wisconsin's most significant vehicle emission reduction program, and one that contributes to improved air quality in the entire upper Midwest.

The Wisconsin Department of Natural Resources (DNR) estimates that the program achieved the following reductions in on-road motor vehicle emissions during 2016:

- Volatile organic compounds (VOC) emissions reduced by 2.16 tons per summer weekday, or 7.8%.

- Oxides of nitrogen (NOx) emissions reduced by 3.21 tons per summer weekday, or 5.9%.
- Carbon monoxide (CO) emissions reduced by 39.44 tons per summer weekday, or 10.7%.

Hot Summer Weekday Emissions (tons) For On-Road Motor Vehicles

		Volatile Organic Compounds (VOC)					
		2005	2008	2011	2014	2015	2016
No WVIP	6 SE Counties	52.44	45.88	40.78	29.16	28.03	25.89
No WVIP	Sheboygan Co.	3.52	3.04	2.61	1.94	1.82	1.69
No WVIP	All 7 Counties	55.96	48.92	43.39	31.10	29.86	27.57
WVIP	6 SE Counties	45.67	39.81	38.18	27.00	25.94	23.86
WVIP	Sheboygan Co.	3.14	2.67	2.44	1.80	1.69	1.56
WVIP	All 7 Counties	48.81	42.48	40.61	28.79	27.63	25.41
WVIP Reductions (tons)		7.16	6.44	2.78	2.31	2.22	2.16
WVIP Reductions (%)		12.8%	13.2%	6.4%	7.4%	7.5%	7.8%

		Oxides of Nitrogen (NOx)					
		2005	2008	2011	2014	2015	2016
No WVIP	6 SE Counties	117.13	97.32	83.73	60.05	56.37	51.09
No WVIP	Sheboygan Co.	8.28	6.70	5.70	4.24	3.96	3.63
No WVIP	All 7 Counties	125.41	104.02	89.43	64.28	60.33	54.72
WVIP	6 SE Counties	108.91	89.89	79.41	56.66	53.17	48.07
WVIP	Sheboygan Co.	7.76	6.24	5.41	4.01	3.74	3.43
WVIP	All 7 Counties	116.67	96.13	84.82	60.67	56.92	51.51
WVIP Reductions (tons)		8.74	7.89	4.61	3.62	3.41	3.21
WVIP Reductions (%)		7.0%	7.6%	5.2%	5.6%	5.7%	5.9%

		Carbon Monoxide (CO)					
		2005	2008	2011	2014	2015	2016
No WVIP	6 SE Counties	581.06	515.70	476.11	369.35	364.77	345.41
No WVIP	Sheboygan Co.	38.27	32.67	28.31	24.37	23.84	22.10
No WVIP	All 7 Counties	619.32	548.37	504.42	393.72	388.61	367.51
WVIP	6 SE Counties	506.46	447.57	436.13	332.87	328.07	308.33
WVIP	Sheboygan Co.	33.94	28.67	25.83	21.94	21.41	19.74
WVIP	All 7 Counties	540.40	476.24	461.96	354.81	349.48	328.07
WVIP Reductions (tons)		78.92	72.13	42.46	38.90	39.12	39.44
WVIP Reductions (%)		12.7%	13.2%	8.4%	9.9%	10.1%	10.7%

NOTES:

1. The "6 SE Counties" are Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha Counties.
2. Emissions calculated using U.S. EPA's MOVES2014a model.
3. Emissions calculated for the year 2016 are preliminary, since local 2016 vehicle-miles of travel data are not yet available. (Instead the 2016 vehicle-miles of travel was estimated by applying a national growth rate to the 2015 vehicle-miles of travel.)
4. Emissions calculated for the years 2014, 2015 and 2016 differ from the values in last year's report, since inputs to the MOVES2014a model were updated reflecting current transportation data.
5. On July of 2008, the WVIP dropped tailpipe testing entirely and only tested vehicles of model years 1996 and newer by scanning their on-board diagnostic (OBD) systems. This exempted all vehicles of model years 1995 and older, resulting in lower emission reduction percentages after 2008 than before. After 2008, the emission reduction percentages show an increasing trend on account of an increasing percentage of the total vehicle travel by the tested vehicles (model year 1996 and newer vehicles).

Over time, the WVIP has contributed to the following air quality advances in Wisconsin:

Ozone: Ground-level ozone concentrations in southeastern Wisconsin have dropped significantly since the year 2000, as shown in the figure below. During the late 1990s and early 2000s, maximum ozone design values ranged from 0.092 ppm to 0.101 ppm in the WVIP area. These values decreased markedly over the subsequent ten to fifteen years, reaching peak values of 0.077 ppm to 0.079 ppm for the years 2014 to 2016.

During that time period, U.S. EPA has repeatedly lowered the level of the 8-hour ozone standard, from 0.08 ppm in 1997 to 0.075 ppm in 2008. U.S. EPA most recently set a new standard at the level of 0.070 ppm in 2015. Ten counties in eastern Wisconsin (including all seven in the WVIP) were designated as nonattainment for the 1997 standard. All but one of these counties (Sheboygan County) were redesignated to attainment before the standard was revoked in 2015. In contrast, only two counties, Sheboygan and eastern Kenosha counties, were designated nonattainment with the 2008 standard. However, in 2018 the U.S. EPA may designate additional nonattainment areas under the more stringent 2015 ozone standard. The WVIP will play an important, ongoing role in the state's efforts to attain this more stringent standard and to maintain attainment throughout all of eastern Wisconsin.

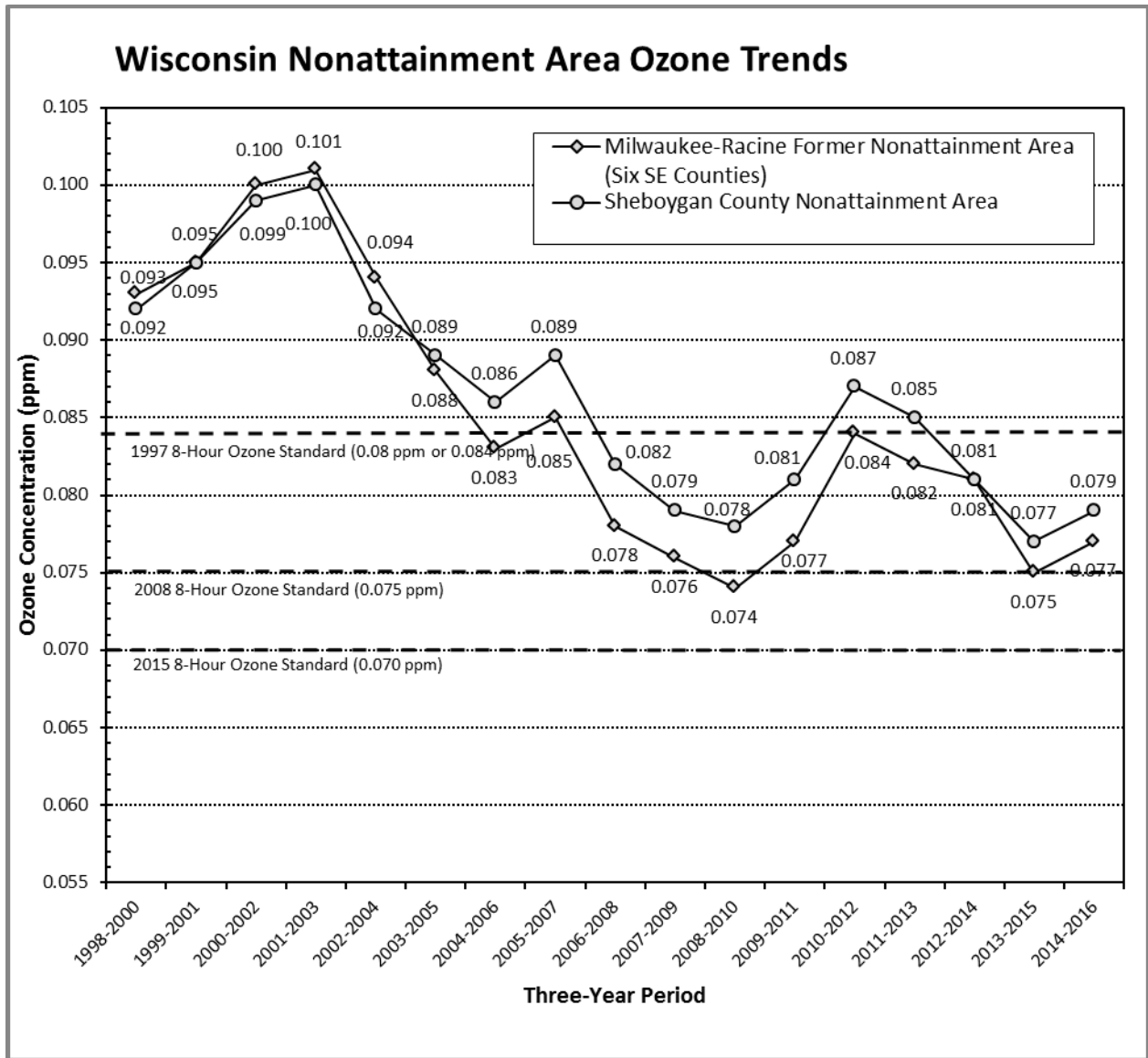


Figure 1. Trends in ozone design values for the Wisconsin Vehicle Inspection Program area. The highest value in the area is shown in each case. 2014-2016 values are preliminary. Note that since temperature has a strong influence on ozone concentrations, the values are highest for the time periods including hot summers, most notably the years 2002, 2005 and 2012.

Carbon Monoxide: Between 1977 and 1984, southeastern Wisconsin exceeded the federal carbon monoxide standard 35 times. Since the program’s implementation in 1984, southeastern Wisconsin has not exceeded this standard even once.

Credit for these air quality improvements goes to various state and federal ozone control measures implemented both in Wisconsin and other states. Aside from Wisconsin’s and neighboring states’ vehicle inspection and maintenance programs, these include reformulated gasoline, national emission standards for new motor vehicles, utility and industrial source controls, and gasoline vapor recovery controls.

TEST DATA REPORT

OPERATING STATISTICS

ALL TESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(1) The number of vehicles tested by model year and vehicle type.

The tests represented in the table below include test records for initial tests, retests and waivers. It contains all test results, including pass, fail, waivers, aborts, rejects and voids. All tables in this section do not include test records that were performed in the course of the state audits.

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	3,884	438	852	156	5,330
1997	15,783	852	3,864	415	20,914
1998	6,092	573	1,265	225	8,155
1999	28,702	1,882	5,124	777	36,485
2000	10,814	981	1,660	595	14,050
2001	40,295	2,096	7,230	1,149	50,770
2002	14,594	1,666	1,722	644	18,626
2003	55,170	3,538	7,840	1,508	68,056
2004	13,619	2,020	1,785	598	18,022
2005	65,697	4,084	7,771	2,140	79,692
2006	13,775	1,775	1,360	796	17,706
2007	70,156	4,406	7,697	1,551	83,810
2008	13,117	2,066	1,694	730	17,607
2009	50,866	2,671	4,619	801	58,957
2010	9,911	1,623	1,228	518	13,280
2011	56,804	7,976	7,547	1,731	74,058
2012	4,401	882	633	378	6,294
2013	40,367	22,595	6,816	5,424	75,202
2014	2,086	1,152	353	281	3,872
2015	509	218	57	58	842
2016	200	84	21	14	319
2017	116	19	3	1	139
GRAND TOTAL	516,958	63,597	71,141	20,490	672,186

INITIAL TESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(i) The number of vehicles tested by model year and vehicle type failing by test type.

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	3,375	413	714	139	4,641
INITIAL FAIL	401	54	80	24	559
INITIAL PASS	2,974	359	634	115	4,082
FAILURE RATE	11.9%	13.1%	11.2%	17.3%	12.0%
1997	14,463	801	3,388	315	18,967
INITIAL FAIL	1,430	109	305	48	1,892
INITIAL PASS	13,033	692	3,083	267	17,075
FAILURE RATE	9.9%	13.6%	9.0%	15.2%	10.0%
1998	5,220	537	1,035	175	6,967
INITIAL FAIL	731	94	100	35	960
INITIAL PASS	4,489	443	935	140	6,007
FAILURE RATE	14.0%	17.5%	9.7%	20.0%	13.8%
1999	26,250	1,769	4,387	632	33,038
INITIAL FAIL	2,605	208	314	82	3,209
INITIAL PASS	23,645	1,561	4,073	550	29,829
FAILURE RATE	9.9%	11.8%	7.2%	13.0%	9.7%
2000	9,296	918	1,354	492	12,060
INITIAL FAIL	1,243	120	120	72	1,555
INITIAL PASS	8,053	798	1,234	420	10,505
FAILURE RATE	13.4%	13.1%	8.9%	14.6%	12.9%
2001	36,246	1,921	6,122	879	45,168
INITIAL FAIL	4,311	233	427	159	5,130
INITIAL PASS	31,935	1,688	5,695	720	40,038
FAILURE RATE	11.9%	12.1%	7.0%	18.1%	11.4%
2002	11,942	1,584	1,432	547	15,505
INITIAL FAIL	1,420	162	120	83	1,785
INITIAL PASS	10,522	1,422	1,312	464	13,720
FAILURE RATE	11.9%	10.2%	8.4%	15.2%	11.5%
2003	51,316	3,321	6,612	1,208	62,457
INITIAL FAIL	4,017	298	384	143	4,842
INITIAL PASS	47,299	3,023	6,228	1,065	57,615
FAILURE RATE	7.8%	9.0%	5.8%	11.8%	7.8%
2004	12,412	1,953	1,516	524	16,405
INITIAL FAIL	1,016	141	87	33	1,277
INITIAL PASS	11,396	1,812	1,429	491	15,128

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
FAILURE RATE	8.2%	7.2%	5.7%	6.3%	7.8%
2005	62,495	3,898	6,920	1,811	75,124
INITIAL FAIL	3,375	231	266	114	3,986
INITIAL PASS	59,120	3,667	6,654	1,697	71,138
FAILURE RATE	5.4%	5.9%	3.8%	6.3%	5.3%
2006	12,800	1,739	1,171	681	16,391
INITIAL FAIL	729	81	57	41	908
INITIAL PASS	12,071	1,658	1,114	640	15,483
FAILURE RATE	5.7%	4.7%	4.9%	6.0%	5.5%
2007	67,744	4,320	7,450	1,505	81,019
INITIAL FAIL	2,429	174	254	75	2,932
INITIAL PASS	65,315	4,146	7,196	1,430	78,087
FAILURE RATE	3.6%	4.0%	3.4%	5.0%	3.6%
2008	12,559	2,046	1,612	707	16,924
INITIAL FAIL	424	52	55	37	568
INITIAL PASS	12,135	1,994	1,557	670	16,356
FAILURE RATE	3.4%	2.5%	3.4%	5.2%	3.4%
2009	49,789	2,631	4,529	783	57,732
INITIAL FAIL	1,064	57	87	34	1,242
INITIAL PASS	48,725	2,574	4,442	749	56,490
FAILURE RATE	2.1%	2.2%	1.9%	4.3%	2.2%
2010	9,641	1,615	1,205	506	12,967
INITIAL FAIL	167	25	21	18	231
INITIAL PASS	9,474	1,590	1,184	488	12,736
FAILURE RATE	1.7%	1.5%	1.7%	3.6%	1.8%
2011	56,133	7,954	7,441	1,720	73,248
INITIAL FAIL	651	97	95	31	874
INITIAL PASS	55,482	7,857	7,346	1,689	72,374
FAILURE RATE	1.2%	1.2%	1.3%	1.8%	1.2%
2012	4,314	876	607	371	6,168
INITIAL FAIL	37	10	10	13	70
INITIAL PASS	4,277	866	597	358	6,098
FAILURE RATE	0.9%	1.1%	1.6%	3.5%	1.1%
2013	39,993	22,572	6,770	5,419	74,754
INITIAL FAIL	268	67	38	30	403
INITIAL PASS	39,725	22,505	6,732	5,389	74,351
FAILURE RATE	0.7%	0.3%	0.6%	0.6%	0.5%
2014	2,072	1,148	351	280	3,851
INITIAL FAIL	62	2	1	3	68
INITIAL PASS	2,010	1,146	350	277	3,783
FAILURE RATE	3.0%	0.2%	0.3%	1.1%	1.8%
2015	500	216	56	58	830

<i>MODEL YEAR</i>	<i>PASSENGER</i>	<i>SUV</i>	<i>TRUCK</i>	<i>VAN</i>	<i>GRAND TOTAL</i>
<i>INITIAL FAIL</i>	10	3			13
<i>INITIAL PASS</i>	490	213	56	58	817
<i>FAILURE RATE</i>	2.0%	1.4%	0.0%	0.0%	1.6%
2016	196	84	21	14	315
<i>INITIAL FAIL</i>	4				4
<i>INITIAL PASS</i>	192	84	21	14	311
<i>FAILURE RATE</i>	2.0%	0.0%	0.0%	0.0%	1.3%
2017	115	19	3	1	138
<i>INITIAL FAIL</i>	4				4
<i>INITIAL PASS</i>	111	19	3	1	134
<i>FAILURE RATE</i>	3.5%	0.0%	0.0%	0.0%	2.9%
GRAND TOTAL	488,871	62,335	64,696	18,767	634,669
<i>INITIAL FAIL</i>	26,398	2,218	2,821	1,075	32,512
<i>INITIAL PASS</i>	462,473	60,117	61,875	17,692	602,157
<i>FAILURE RATE</i>	5.4%	3.6%	4.4%	5.7%	5.1%

RETEST RESULTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (ii) – (iii) The number of vehicles tested by model year and vehicle type passing or failing the first retest.

1ST RETEST BY MY	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	362	12	69	4	447
FAIL	116	4	22	1	143
PASS	246	8	47	3	304
FAIL RATE	32.0%	33.3%	31.9%	25.0%	32.0%
PASS RATE	68.0%	66.7%	68.1%	75.0%	68.0%
1997	1,062	33	237	19	1,351
FAIL	256	8	51	1	316
PASS	806	25	186	18	1,035
FAIL RATE	24.1%	24.2%	21.5%	5.3%	23.4%
PASS RATE	75.9%	75.8%	78.5%	94.7%	76.6%
1998	671	28	103	11	813
FAIL	180	3	36	4	223
PASS	491	25	67	7	590
FAIL RATE	26.8%	10.7%	35.0%	36.4%	27.4%
PASS RATE	73.2%	89.3%	65.0%	63.6%	72.6%
1999	1,995	68	251	22	2,336
FAIL	427	12	51	8	498
PASS	1,568	56	200	14	1,838
FAIL RATE	21.4%	17.6%	20.3%	36.4%	21.3%
PASS RATE	78.6%	82.4%	79.7%	63.6%	78.7%
2000	1,126	34	116	16	1,292
FAIL	323	6	17	5	351
PASS	803	28	99	11	941
FAIL RATE	28.7%	17.6%	14.7%	31.3%	27.2%
PASS RATE	71.3%	82.4%	85.3%	68.8%	72.8%
2001	3,251	89	341	67	3,748
FAIL	750	12	50	16	828
PASS	2,501	77	291	51	2,920
FAIL RATE	23.1%	13.5%	14.7%	23.9%	22.1%
PASS RATE	76.9%	86.5%	85.3%	76.1%	77.9%
2002	1,414	52	130	21	1,617
FAIL	381	15	21	6	423
PASS	1,033	37	109	15	1,194
FAIL RATE	26.9%	28.8%	16.2%	28.6%	26.2%

1ST RETEST BY MY	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
PASS RATE	73.1%	71.2%	83.8%	71.4%	73.8%
2003	3,225	103	319	60	3,707
FAIL	550	15	41	10	616
PASS	2,675	88	278	50	3,091
FAIL RATE	17.1%	14.6%	12.9%	16.7%	16.6%
PASS RATE	82.9%	85.4%	87.1%	83.3%	83.4%
2004	959	42	84	8	1,093
FAIL	184	6	13		203
PASS	775	36	71	8	890
FAIL RATE	19.2%	14.3%	15.5%	0.0%	18.6%
PASS RATE	80.8%	85.7%	84.5%	100.0%	81.4%
2005	2,751	119	237	50	3,157
FAIL	387	8	28	10	433
PASS	2,364	111	209	40	2,724
FAIL RATE	14.1%	6.7%	11.8%	20.0%	13.7%
PASS RATE	85.9%	93.3%	88.2%	80.0%	86.3%
2006	807	17	55	15	894
FAIL	151	3	9	3	166
PASS	656	14	46	12	728
FAIL RATE	18.7%	17.6%	16.4%	20.0%	18.6%
PASS RATE	81.3%	82.4%	83.6%	80.0%	81.4%
2007	2,070	78	199	39	2,386
FAIL	240	13	31	7	291
PASS	1,830	65	168	32	2,095
FAIL RATE	11.6%	16.7%	15.6%	17.9%	12.2%
PASS RATE	88.4%	83.3%	84.4%	82.1%	87.8%
2008	458	14	59	21	552
FAIL	69	1	9	1	80
PASS	389	13	50	20	472
FAIL RATE	15.1%	7.1%	15.3%	4.8%	14.5%
PASS RATE	84.9%	92.9%	84.7%	95.2%	85.5%
2009	940	28	69	17	1,054
FAIL	74	4	5	1	84
PASS	866	24	64	16	970
FAIL RATE	7.9%	14.3%	7.2%	5.9%	8.0%
PASS RATE	92.1%	85.7%	92.8%	94.1%	92.0%
2010	211	5	21	10	247
FAIL	36	1	2		39
PASS	175	4	19	10	208
FAIL RATE	17.1%	20.0%	9.5%	0.0%	15.8%
PASS RATE	82.9%	80.0%	90.5%	100.0%	84.2%
2011	547	19	81	9	656

1ST RETEST BY MY	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
FAIL	49		2	3	54
PASS	498	19	79	6	602
FAIL RATE	9.0%	0.0%	2.5%	33.3%	8.2%
PASS RATE	91.0%	100.0%	97.5%	66.7%	91.8%
2012	61	3	19	4	87
FAIL	5	1	1	1	8
PASS	56	2	18	3	79
FAIL RATE	8.2%	33.3%	5.3%	25.0%	9.2%
PASS RATE	91.8%	66.7%	94.7%	75.0%	90.8%
2013	286	7	28	3	324
FAIL	21	-	3	-	24
PASS	265	7	25	3	300
FAIL RATE	7.3%	0.0%	10.7%	0.0%	7.4%
PASS RATE	92.7%	100.0%	89.3%	100.0%	92.6%
2014	9	-	-	-	10
PASS	9	-	1	-	10
FAIL	-	-	-	-	-
FAIL RATE	0%	-	-	-	-
PASS RATE	100%	0%	100%	0%	100%
2015	4	-	-	-	4
FAIL	1	-	-	-	1
PASS	3	-	-	-	3
FAIL RATE	25.0%	-	-	-	25.0%
PASS RATE	75.0%	-	-	-	75.0%
2016	2	-	-	-	2
PASS	2	-	-	-	2
FAIL	-	-	-	-	-
FAIL RATE	-	-	-	-	0.0%
PASS RATE	100.0%	-	-	-	100.0%
2017	1	-	-	-	1
PASS	1	-	-	-	1
FAIL	-	-	-	-	-
FAIL RATE	0.0%	-	-	-	-
PASS RATE	100.0%	-	-	-	0.0%
GRAND TOTAL	22,212	751	2,419	396	25,778
FAIL	4,200	112	392	77	4,781
PASS	18,012	639	2,027	319	20,997
FAIL RATE	18.9%	14.9%	16.2%	19.4%	18.5%
PASS RATE	81.1%	85.1%	83.8%	80.6%	81.5%

SUBSEQUENT RETESTS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (iv) The number of vehicles tested by model year and vehicle type that initially failed and passed the second or subsequent retest.

<i>SUBSEQUENT RETEST BY MY</i>	<i>PASSENGER</i>	<i>SUV</i>	<i>TRUCK</i>	<i>VAN</i>	<i>GRAND TOTAL</i>
1996	115	6	24	2	147
<i>FAIL</i>	45	2	7		54
<i>PASS</i>	70	4	17	2	93
<i>FAIL RATE</i>	39.1%	33.3%	29.2%	0.0%	36.7%
<i>PASS RATE</i>	60.9%	66.7%	70.8%	100.0%	63.3%
1997	221	8	48	5	282
<i>FAIL</i>	93	3	17	4	117
<i>PASS</i>	128	5	31	1	165
<i>FAIL RATE</i>	42.1%	37.5%	35.4%	80.0%	41.5%
<i>PASS RATE</i>	57.9%	62.5%	64.6%	20.0%	58.5%
1998	179	5	60	5	249
<i>FAIL</i>	76	2	27	3	108
<i>PASS</i>	103	3	33	2	141
<i>FAIL RATE</i>	42.5%	40.0%	45.0%	60.0%	43.4%
<i>PASS RATE</i>	57.5%	60.0%	55.0%	40.0%	56.6%
1999	385	15	56	8	464
<i>FAIL</i>	169	5	19	1	194
<i>PASS</i>	216	10	37	7	270
<i>FAIL RATE</i>	43.9%	33.3%	33.9%	12.5%	41.8%
<i>PASS RATE</i>	56.1%	66.7%	66.1%	87.5%	58.2%
2000	349	7	25	4	385
<i>FAIL</i>	150	2	9	1	162
<i>PASS</i>	199	5	16	3	223
<i>FAIL RATE</i>	43.0%	28.6%	36.0%	25.0%	42.1%
<i>PASS RATE</i>	57.0%	71.4%	64.0%	75.0%	57.9%
2001	690	19	53	14	776
<i>FAIL</i>	294	6	14	5	319
<i>PASS</i>	396	13	39	9	457
<i>FAIL RATE</i>	42.6%	31.6%	26.4%	35.7%	41.1%
<i>PASS RATE</i>	57.4%	68.4%	73.6%	64.3%	58.9%
2002	1,171	16	21	12	1,220
<i>FAIL</i>	930	4	7	8	949
<i>PASS</i>	241	12	14	4	271
<i>FAIL RATE</i>	79.4%	25.0%	33.3%	66.7%	77.8%
<i>PASS RATE</i>	20.6%	75.0%	66.7%	33.3%	22.2%

<i>SUBSEQUENT RETEST BY MY</i>	<i>PASSENGER</i>	<i>SUV</i>	<i>TRUCK</i>	<i>VAN</i>	<i>GRAND TOTAL</i>
2003	525	13	45	4	587
<i>FAIL</i>	198	5	14	1	218
<i>PASS</i>	327	8	31	3	369
<i>FAIL RATE</i>	37.7%	38.5%	31.1%	25.0%	37.1%
<i>PASS RATE</i>	62.3%	61.5%	68.9%	75.0%	62.9%
2004	223	9	14	2	248
<i>FAIL</i>	73	2	2	1	78
<i>PASS</i>	150	7	12	1	170
<i>FAIL RATE</i>	32.7%	22.2%	14.3%	50.0%	31.5%
<i>PASS RATE</i>	67.3%	77.8%	85.7%	50.0%	68.5%
2005	339	8	27	4	378
<i>FAIL</i>	99	3	7	1	110
<i>PASS</i>	240	5	20	3	268
<i>FAIL RATE</i>	29.2%	37.5%	25.9%	25.0%	29.1%
<i>PASS RATE</i>	70.8%	62.5%	74.1%	75.0%	70.9%
2006	145	7	11	4	167
<i>FAIL</i>	43		1	2	46
<i>PASS</i>	102	7	10	2	121
<i>FAIL RATE</i>	29.7%	0.0%	9.1%	50.0%	27.5%
<i>PASS RATE</i>	70.3%	100.0%	90.9%	50.0%	72.5%
2007	236	7	27	6	276
<i>FAIL</i>	66	4	3	2	75
<i>PASS</i>	170	3	24	4	201
<i>FAIL RATE</i>	28.0%	57.1%	11.1%	33.3%	27.2%
<i>PASS RATE</i>	72.0%	42.9%	88.9%	66.7%	72.8%
2008	70	2	18	1	91
<i>FAIL</i>	18	1	7	1	27
<i>PASS</i>	52	1	11		64
<i>FAIL RATE</i>	25.7%	50.0%	38.9%	100.0%	29.7%
<i>PASS RATE</i>	74.3%	50.0%	61.1%	0.0%	70.3%
2009	60	7	5	1	73
<i>FAIL</i>	7	3	1		11
<i>PASS</i>	53	4	4	1	62
<i>FAIL RATE</i>	11.7%	42.9%	20.0%	0.0%	15.1%
<i>PASS RATE</i>	88.3%	57.1%	80.0%	100.0%	84.9%
2010	38	2	1		41
<i>FAIL</i>	8	1	1		10
<i>PASS</i>	30	1			31
<i>FAIL RATE</i>	21.1%	50.0%	100.0%	#DIV/o!	24.4%
<i>PASS RATE</i>	78.9%	50.0%	0.0%	#DIV/o!	75.6%
2011	57	1	2		60
<i>FAIL</i>	14				14

<i>SUBSEQUENT RETEST BY MY</i>	<i>PASSENGER</i>	<i>SUV</i>	<i>TRUCK</i>	<i>VAN</i>	<i>GRAND TOTAL</i>
<i>PASS</i>	43	1	2		46
<i>FAIL RATE</i>	24.6%	0.0%	0.0%	#DIV/o!	23.3%
<i>PASS RATE</i>	75.4%	100.0%	100.0%	#DIV/o!	76.7%
2012	9	1	1	1	12
<i>FAIL</i>	2	-	-	-	2
<i>PASS</i>	7	1	1	1	10
<i>FAIL RATE</i>	22.2%	0.0%	0.0%	0.0%	16.7%
<i>PASS RATE</i>	77.8%	100.0%	100.0%	100.0%	83.3%
2013	14	-	3	-	17
<i>FAIL</i>	1	-	-	-	1
<i>PASS</i>	13	-	3	-	16
<i>FAIL RATE</i>	7.1%	-	0.0%	-	5.9%
<i>PASS RATE</i>	92.9%	-	100.0%	-	94.1%
2015	1	-	-	-	1
<i>PASS</i>	1	-	-	-	1
<i>FAIL</i>	-	-	-	-	-
<i>FAIL RATE</i>	100.0%	-	-	-	100.0%
<i>PASS RATE</i>	0.0%	-	-	-	0.0%
GRAND TOTAL	4,827	133	441	73	5,474
<i>FAIL</i>	2,286	43	136	30	2,495
<i>PASS</i>	2,541	90	305	43	2,979
<i>FAIL RATE</i>	47.4%	32.3%	30.8%	41.1%	45.6%
<i>PASS RATE</i>	52.6%	67.7%	69.2%	58.9%	54.4%

VEHICLE WAIVERS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2) (v) The number of vehicles tested by model year and vehicle type receiving a waiver.

A motorist may request a waiver from further inspection requirements for the current inspection cycle if the vehicle fails a second retest after repairs. In general, a waiver may be granted if the motorist exceeds the cost limit on emission-related repairs and adjustments at a recognized repair facility. The waiver repair cost limit excludes emission system warranty repairs and the repair/replacement of tampered emission control devices identified during the equipment check.

Vehicle owners can also apply for a waiver if their vehicles continue to fail the emissions test. A vehicle is eligible for a waiver when the following conditions are met:

1. The vehicle has failed an emissions inspection and following repair and re-inspection, it still does not meet test requirements. Repairs made over 180 days prior to the expiration of the license plate cannot be applied to the waiver repair cost limit.
2. The vehicle has passed a waiver emission equipment inspection to determine if emission control equipment is missing, modified or disconnected.

The Vehicle Inspection Reports (VIR) has been presented to the Waiver Investigator at the time a waiver is requested. The REPAIR DATA section of these reports has been completed in accordance with instructions provided on the report form. Motorists must bring their vehicle and itemized receipts for parts and labor to verify the emission related repairs.

1. For all vehicles which exceed the terms of the manufacturer's emission performance or defect warranty coverage at the time of the scheduled emission inspection, the owner must have emission related repairs performed on the vehicle at a recognized repair facility.
2. The actual costs of emission related repairs and adjustments exceed the repair cost limit for that vehicle's county of domicile. Only repairs that are related to the vehicle's cause of failure can be used to apply for a cost waiver. Costs covered by any warranty or costs to repair/replace emission control equipment that has been removed, modified or disconnected are excluded.
3. Until July 1, 2016, the repair cost limit for all model year vehicles subject to testing was \$868. The waiver repair cost limit was adjusted to \$872 on July 1, 2016. This figure is adjusted annually by the DNR per NR 485.045.

The following chart illustrates the cost waivers granted in 2016 by model year. Since odd model year vehicles were tested in 2016, they account for the majority of the waivers.

MODEL YEAR	INITIAL FAIL	COST WAIVER	DIAGNOSTIC WAIVER	WAIVER TOTAL	WAIVER RATE
1996	559	1	2	3	0.5%
PASSENGER	401	1	2	3	0.7%
SUV	54	0	0	0	0.0%
TRUCK	80	0	0	0	0.0%
VAN	24	0	0	0	0.0%
1997	1,892	9	7	16	0.8%
PASSENGER	1,430	6	5	11	0.8%
SUV	109	2	1	3	2.8%
TRUCK	305	1	1	2	0.7%
VAN	48	0	0	0	0.0%
1998	960	4	1	5	0.5%
PASSENGER	731	3	1	4	0.5%
SUV	94	0	0	0	0.0%
TRUCK	100	0	0	0	0.0%
VAN	35	1	0	1	2.9%
1999	3,209	10	0	10	0.3%
PASSENGER	2,605	5	0	5	0.2%
SUV	208	4	0	4	1.9%
TRUCK	314	1	0	1	0.3%
VAN	82	0	0	0	0.0%
2000	1,555	2	0	2	0.1%
PASSENGER	1,243	2	0	2	0.2%
SUV	120	0	0	0	0.0%
TRUCK	120	0	0	0	0.0%
VAN	72	0	0	0	0.0%
2001	5,130	23	1	24	0.5%
PASSENGER	4,311	12	1	13	0.3%
SUV	233	5	0	5	2.1%
TRUCK	427	2	0	2	0.5%
VAN	159	4	0	4	2.5%
2002	1,785	9	0	9	0.5%
PASSENGER	1,420	6	0	6	0.4%
SUV	162	2	0	2	1.2%
TRUCK	120	1	0	1	0.8%
VAN	83	0	0	0	0.0%
2003	4,842	20	3	23	0.5%
PASSENGER	4,017	10	0	10	0.2%
SUV	298	10	1	11	3.7%
TRUCK	384	0	2	2	0.5%
VAN	143	0	0	0	0.0%

MODEL YEAR	INITIAL FAIL	COST WAIVER R	DIAGNOSTIC WAIVER	WAIVER TOTAL	WAIVER RATE	
2004	1,277	4		1	5	0.4%
PASSENGER	1,016	3		1	4	0.4%
SUV	141	1		0	1	0.7%
TRUCK	87	0		0	0	0.0%
VAN	33	0		0	0	0.0%
2005	3,986	16		4	20	0.5%
PASSENGER	3,375	7		3	10	0.3%
SUV	231	9		1	10	4.3%
TRUCK	266	0		0	0	0.0%
VAN	114	0		0	0	0.0%
2006	908	5		0	5	0.6%
PASSENGER	729	5		0	5	0.7%
SUV	81	0		0	0	0.0%
TRUCK	57	0		0	0	0.0%
VAN	41	0		0	0	0.0%
2007	2,932	10		1	11	0.4%
PASSENGER	2,429	6		1	7	0.3%
SUV	174	4		0	4	2.3%
TRUCK	254	0		0	0	0.0%
VAN	75	0		0	0	0.0%
2008	568	1		0	1	0.2%
PASSENGER	424	0		0	0	0.0%
SUV	52	0		0	0	0.0%
TRUCK	55	0		0	0	0.0%
VAN	37	1		0	1	2.7%
2009	1,242	2		0	2	0.2%
PASSENGER	1,064	1		0	1	0.1%
SUV	57	1		0	1	1.8%
TRUCK	87	0		0	0	0.0%
VAN	34	0		0	0	0.0%
2010	231	1		1	2	0.9%
PASSENGER	167	1		0	1	0.6%
SUV	25	0		0	0	0.0%
TRUCK	21	0		1	1	4.8%
VAN	18	0		0	0	0.0%
2011	874	0		3	3	0.3%
PASSENGER	651	0		0	0	0.0%
SUV	97	0		1	1	1.0%
TRUCK	95	0		1	1	1.1%
VAN	31	0		1	1	3.2%

MODEL YEAR	INITIAL FAIL	COST WAIVER	DIAGNOSTIC WAIVER	WAIVER TOTAL	WAIVER RATE
2012	70	0	0	0	0.0%
PASSENGER	37	0	0	0	0.0%
SUV	10	0	0	0	0.0%
TRUCK	10	0	0	0	0.0%
VAN	13	0	0	0	0.0%
2013	403	0	2	2	0.5%
PASSENGER	268	0	1	1	0.4%
SUV	67	0	0	0	0.0%
TRUCK	38	0	0	0	0.0%
VAN	30	0	1	1	3.3%
2014	68	0	0	0	0.0%
PASSENGER	62	0	0	0	0.0%
SUV	2	0	0	0	0.0%
TRUCK	1	0	0	0	0.0%
VAN	3	0	0	0	0.0%
2015	13	0	0	0	0.0%
PASSENGER	10	0	0	0	0.0%
SUV	3	0	0	0	0.0%
TRUCK	-	0	0	0	-
VAN	-	0	0	0	-
2016	4	0	0	0	0.0%
PASSENGER	4	0	0	0	0.0%
SUV	-	0	0	0	-
TRUCK	-	0	0	0	-
VAN	-	0	0	0	-
2017	4	0	0	0	0.0%
PASSENGER	4	0	0	0	0.0%
SUV	-	0	0	0	-
TRUCK	-	0	0	0	-
VAN	-	0	0	0	-
GRAND TOTAL	32,512	117	26	143	0.4%
PASSENGER	26,398	68	15	83	0.3%
SUV	2,218	38	4	42	1.9%
TRUCK	2,821	5	5	10	0.4%
VAN	1,075	6	2	8	0.7%

NO FINAL OUTCOME

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(vi) The number of vehicles tested by model year and vehicle type with no final outcome (regardless of reason).

The vehicles included in the table below did not have a final outcome of either a pass or waiver test result during the reporting period.

Vehicles with No Known Final Outcome

Model Year	Passenger		SUV		Truck		Van		All	
	Initial Fail	No Outcome	Initial Fail	No Outcome	Initial Fail	No Outcome	Initial Fail	No Outcome	Initial Fail	No Outcome
1996	401	228	54	33	80	43	24	9	559	313
1997	1,430	611	109	51	305	107	48	27	1,892	796
1998	731	400	94	61	100	47	35	22	960	530
1999	2,605	1,037	208	108	314	108	82	44	3,209	1,297
2000	1,243	663	120	64	120	48	72	41	1,555	816
2001	4,311	1,736	233	101	427	117	159	69	5,130	2,023
2002	1,420	734	162	76	120	36	83	39	1,785	885
2003	4,017	1,405	298	102	384	85	143	58	4,842	1,650
2004	1,016	505	141	64	87	26	33	15	1,277	610
2005	3,375	1,027	231	79	266	50	114	34	3,986	1,190
2006	729	315	81	36	57	18	41	15	908	384
2007	2,429	604	174	51	254	72	75	29	2,932	756
2008	424	172	52	18	55	22	37	7	568	219
2009	1,064	219	57	14	87	21	34	8	1,242	262
2010	167	64	25	6	21	7	18	4	231	81
2011	651	142	97	24	95	16	31	11	874	193
2012	37	17	10	2	10	3	13	5	70	27
2013	268	65	67	13	38	11	30	6	403	95
2014	62	10	2	1	1		3	3	68	14
2015	10	6	3	2					13	8
2016	4	2							4	2
2017	4	1							4	1
All	26,398	9,963	2,218	906	2,821	837	1,075	446	32,512	12,152

VEHICLES PASSING OR FAILING OBD TEST

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xi) (xii) The number of vehicles tested by model year and vehicle type passing or failing the on-board diagnostic check.

MY	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	3,857	434	879	169	5,339
FAIL	564	60	109	25	758
PASS	3,293	374	770	144	4,581
FAIL RATE	14.6%	13.8%	12.4%	14.8%	14.2%
PASS RATE	85.4%	86.2%	87.6%	85.2%	85.8%
1997	15,753	852	4,000	436	21,041
FAIL	1,781	120	374	53	2,328
PASS	13,972	732	3,626	383	18,713
FAIL RATE	11.3%	14.1%	9.4%	12.2%	11.1%
PASS RATE	88.7%	85.9%	90.7%	87.8%	88.9%
1998	6,076	571	1,270	228	8,145
FAIL	989	99	163	42	1,293
PASS	5,087	472	1,107	186	6,852
FAIL RATE	16.3%	17.3%	12.8%	18.4%	15.9%
PASS RATE	83.7%	82.7%	87.2%	81.6%	84.1%
1999	28,646	1,884	5,218	815	36,563
FAIL	3,204	225	384	91	3,904
PASS	25,442	1,659	4,834	724	32,659
FAIL RATE	11.2%	11.9%	7.4%	11.2%	10.7%
PASS RATE	88.8%	88.1%	92.6%	88.8%	89.3%
2000	10,790	983	1,676	612	14,061
FAIL	1,722	128	147	78	2,075
PASS	9,068	855	1,529	534	11,986
FAIL RATE	16.0%	13.0%	8.8%	12.7%	14.8%
PASS RATE	84.0%	87.0%	91.2%	87.3%	85.2%
2001	40,222	2,121	7,347	1,215	50,905
FAIL	5,362	251	492	180	6,285
PASS	34,860	1,870	6,855	1,035	44,620
FAIL RATE	13.3%	11.8%	6.7%	14.8%	12.3%
PASS RATE	86.7%	88.2%	93.3%	85.2%	87.7%
2002	14,546	1,669	1,744	658	18,617
FAIL	2,737	181	149	97	3,164
PASS	11,809	1,488	1,595	561	15,453
FAIL RATE	18.8%	10.8%	8.5%	14.7%	17.0%
PASS RATE	81.2%	89.2%	91.5%	85.3%	83.0%
2003	55,092	3,556	7,957	1,576	68,181

MY	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
FAIL	4,773	318	440	154	5,685
PASS	50,319	3,238	7,517	1,422	62,496
FAIL RATE	8.7%	8.9%	5.5%	9.8%	8.3%
PASS RATE	91.3%	91.1%	94.5%	90.2%	91.7%
2004	13,601	2,021	1,804	620	18,046
FAIL	1,275	150	102	34	1,561
PASS	12,326	1,871	1,702	586	16,485
FAIL RATE	9.4%	7.4%	5.7%	5.5%	8.7%
PASS RATE	90.6%	92.6%	94.3%	94.5%	91.3%
2005	65,609	4,095	7,868	2,207	79,779
FAIL	3,865	242	301	126	4,534
PASS	61,744	3,853	7,567	2,081	75,245
FAIL RATE	5.9%	5.9%	3.8%	5.7%	5.7%
PASS RATE	94.1%	94.1%	96.2%	94.3%	94.3%
2006	13,758	1,774	1,378	819	17,729
FAIL	927	84	67	46	1,124
PASS	12,831	1,690	1,311	773	16,605
FAIL RATE	6.7%	4.7%	4.9%	5.6%	6.3%
PASS RATE	93.3%	95.3%	95.1%	94.4%	93.7%
2007	70,068	4,405	7,677	1,550	83,700
FAIL	2,737	191	288	84	3,300
PASS	67,331	4,214	7,389	1,466	80,400
FAIL RATE	3.9%	4.3%	3.8%	5.4%	3.9%
PASS RATE	96.1%	95.7%	96.2%	94.6%	96.1%
2008	13,092	2,062	1,689	729	17,572
FAIL	513	54	71	39	677
PASS	12,579	2,008	1,618	690	16,895
FAIL RATE	3.9%	2.6%	4.2%	5.3%	3.9%
PASS RATE	96.1%	97.4%	95.8%	94.7%	96.1%
2009	50,799	2,666	4,603	801	58,869
FAIL	1,145	64	93	35	1,337
PASS	49,654	2,602	4,510	766	57,532
FAIL RATE	2.3%	2.4%	2.0%	4.4%	2.3%
PASS RATE	97.7%	97.6%	98.0%	95.6%	97.7%
2010	9,893	1,622	1,227	516	13,258
FAIL	212	27	24	18	281
PASS	9,681	1,595	1,203	498	12,977
FAIL RATE	2.1%	1.7%	2.0%	3.5%	2.1%
PASS RATE	97.9%	98.3%	98.0%	96.5%	97.9%
2011	56,738	7,974	7,524	1,729	73,965
FAIL	714	97	97	34	942
PASS	56,024	7,877	7,427	1,695	73,023

MY	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
FAIL RATE	1.3%	1.2%	1.3%	2.0%	1.3%
PASS RATE	98.7%	98.8%	98.7%	98.0%	98.7%
2012	4,384	880	627	376	6,267
FAIL	44	11	11	14	80
PASS	4,340	869	616	362	6,187
FAIL RATE	1.0%	1.3%	1.8%	3.7%	1.3%
PASS RATE	99.0%	98.8%	98.2%	96.3%	98.7%
2013	40,294	22,579	6,801	5,422	75,096
FAIL	290	67	41	30	428
PASS	40,004	22,512	6,760	5,392	74,668
FAIL RATE	0.7%	0.3%	0.6%	0.6%	0.6%
PASS RATE	99.3%	99.7%	99.4%	99.4%	99.4%
2014	2,081	1,148	352	280	3,861
FAIL	62	2	1	3	68
PASS	2,019	1,146	351	277	3,793
FAIL RATE	3.0%	0.2%	0.3%	1.1%	1.8%
PASS RATE	97.0%	99.8%	99.7%	98.9%	98.2%
2015	505	216	56	58	835
FAIL	11	3			14
PASS	494	213	56	58	821
FAIL RATE	2.2%	1.4%	0.0%	0.0%	1.7%
PASS RATE	97.8%	98.6%	100.0%	100.0%	98.3%
2016	198	84	21	14	317
FAIL	4				4
PASS	194	84	21	14	313
FAIL RATE	2.0%	0.0%	0.0%	0.0%	1.3%
PASS RATE	98.0%	100.0%	100.0%	100.0%	98.7%
2017	116	19	3	1	139
FAIL	4				4
PASS	112	19	3	1	135
FAIL RATE	3.4%	0.0%	0.0%	0.0%	2.9%
PASS RATE	96.6%	100.0%	100.0%	100.0%	97.1%
GRAND TOTAL	516,118	63,615	71,721	20,831	672,285
FAIL	32,935	2374	3354	1183	39,846
PASS	483,183	61241	68367	19648	632,439
FAIL RATE	6.4%	3.7%	4.7%	5.7%	5.9%
PASS RATE	93.6%	96.3%	95.3%	94.3%	94.1%

COMPARISON OF ON-BOARD DIAGNOSTIC TESTS WITH OTHER TEST TYPES

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xiii)–(xviii) There is no data for comparing on-board diagnostic tests with other test types because Wisconsin only conducts on-board diagnostic tests.

CHECK ENGINE LIGHT COMMANDED ON

A small population of vehicles in southeastern Wisconsin produces most of the vehicle exhaust pollution – these are the so-called gross polluters. As vehicles are driven, problems can develop because of defective parts, improper maintenance or simply from deterioration due to age and usage. This helps explain why a vehicle can be relatively clean one year and become a gross polluter at the time of its next inspection. Since hydrocarbon, carbon monoxide and nitrogen oxides are invisible, a vehicle inspection is an effective method to ensure that a vehicle is not polluting excessively.

In most cases, if the vehicle's check engine light is commanded on due to an emission component malfunction, then the Diagnostic Trouble Codes (DTC) are recorded and provided to the motorist. The vehicle will fail this portion of the inspection if the check engine light is commanded on. However, there are also some instances where the check engine light is on but no DTCs are stored. In either case, the vehicle will need to be repaired and brought back for a re-inspection.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xix) The number of vehicles tested by model year and vehicle type where the MIL is commanded on and no codes are stored

MIL Commanded On, No DTCs

Model Year	Passenger Car	SUV	ALL
2004	0	1	1
2000	1	0	1
Grand Total	1	1	2

Another condition that can occur is when the vehicle's check engine light is NOT commanded on but a Diagnostic Trouble Codes (DTC) is stored within the vehicle's computer. The most likely reason for this condition is a pending code indicating a problem within the vehicle that has not yet met the threshold for activating the check engine light, or a condition that has since resolved itself. Since the MIL is not commanded on, the vehicle will pass this portion of the inspection.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xx)

The number of vehicles tested by model year and vehicle type where the MIL is not commanded on and codes are stored.

MIL Not Commanded On, DTCs Stored

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	446	56	113	15	630
1997	1,824	98	412	58	2,392
1998	809	92	182	30	1,113
1999	3,034	222	603	87	3,946
2000	1,293	114	212	64	1,683
2001	4,499	235	756	130	5,620
2002	1,777	229	165	74	2,245
2003	5,552	392	816	174	6,934
2004	1,536	259	155	73	2,023
2005	5,920	366	547	239	7,072
2006	1,391	163	105	81	1,740
2007	4,870	312	415	124	5,721
2008	900	132	96	55	1,183
2009	2,043	119	234	43	2,439
2010	411	70	47	30	558
2011	1,528	222	214	82	2,046
2012	120	24	19	20	183
2013	692	314	128	117	1,251
2014	21	13	4	3	41
2015	10				10
2016	3	3		1	7
2017	3	1			4
GRAND TOTAL	38,682	3,436	5,223	1,500	48,841

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxi)

The number of vehicles tested by model year and vehicle type where the MIL is commanded on and codes are stored.

MIL Commanded On, DTCs Stored

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL	
1996	532		58	103	27	720
1997	1,705		111	372	61	2,249
1998	957		85	161	41	1,244
1999	3,098		211	395	105	3,809
2000	1,660		120	150	82	2,012
2001	5,150		242	507	203	6,102
2002	2,168		173	142	99	2,582
2003	4,646		314	439	173	5,572
2004	1,240		144	112	42	1,538
2005	3,757		240	345	162	4,504
2006	890		83	77	59	1,109
2007	2,653		184	284	82	3,203
2008	496		54	70	39	659
2009	1,119		63	88	35	1,305
2010	209		26	23	17	275
2011	684		92	96	33	905
2012	43		11	12	13	79
2013	269		63	40	31	403
2014	60		2	1	3	66
2015	10		2			12
2016	3					3
2017	4					4
GRAND TOTAL	31,353		2,278	3,417	1,307	38,355

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxii)

The number of vehicles tested by model year and vehicle type where the MIL is not commanded on and codes are not stored.

MIL Not Commanded On, No DTCs Stored

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	3,391	363	716	129	4,599
1997	13,912	736	3,450	349	18,447
1998	5,306	480	1,065	193	7,044
1999	25,690	1,651	4,528	651	32,520
2000	9,302	828	1,482	501	12,113
2001	38,541	2,006	7,176	1,041	48,764
2002	13,546	1,516	1,656	605	17,323
2003	51,475	3,193	7,200	1,356	63,224
2004	12,728	1,836	1,779	532	16,875
2005	61,179	3,786	7,488	1,877	74,330
2006	13,000	1,668	1,300	710	16,678
2007	65,835	4,093	7,408	1,430	78,766
2008	12,499	1,978	1,684	699	16,860
2009	49,282	2,569	4,524	763	57,138
2010	9,735	1,571	1,216	503	13,025
2011	55,739	7,816	7,518	1,687	72,760
2012	4,394	864	643	366	6,267
2013	40,108	22,398	6,902	5,369	74,777
2014	2,034	1,146	362	283	3,825
2015	494	216	57	58	825
2016	196	83	29	13	321
2017	114	19	3	1	137
GRAND TOTAL	488,500	60,816	68,186	19,116	636,618

READINESS MONITORS:

A vehicle's OBD system continually tracks and stores information about the emission control devices and other engine related components. Readiness monitors indicate if components have been fully evaluated and whether system components have experienced any driving conditions that prevent the vehicle from operating as designed by the manufacturer. The test equipment reads the readiness monitor statuses as part of the vehicle emissions inspection.

Vehicles "Not Ready" for OBD testing receive a reject test result. For 1996 - 2000 model year vehicles, a vehicle can have up to 2 readiness monitors unset; for 2001 and newer vehicles, only 1 readiness monitor can be unset. If the unset readiness monitors exceed the requirements, the vehicle will be rejected from further testing until this condition is corrected.

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(2)(xxiii)

The number of vehicles tested by model year and vehicle type where the readiness status indicates that the evaluation is not complete for any module supported by on-board diagnostic systems.

Readiness Monitors Not Complete By Model Year and Vehicle Type

MODEL YEAR	PASSENGER	SUV	TRUCK	VAN	GRAND TOTAL
1996	651	48	107	23	829
1997	1,991	105	425	65	2,586
1998	1,176	103	185	48	1,512
1999	3,711	257	510	94	4,572
2000	1,812	104	213	74	2,203
2001	9,427	482	1,344	271	11,524
2002	3,843	314	284	166	4,607
2003	7,594	440	702	230	8,966
2004	2,287	259	282	74	2,902
2005	5,910	370	650	186	7,116
2006	1,755	168	135	66	2,124
2007	3,629	223	469	105	4,426
2008	885	109	180	78	1,252
2009	1,740	94	237	43	2,114
2010	467	45	68	36	616
2011	1,155	153	305	78	1,691
2012	155	19	45	27	246
2013	689	161	253	89	1,192
2014	28	8	14	8	58
2015	3				3
2016	3	2	8		13
2017	4	1	1		6
GRAND TOTAL	48,915	3,465	6,417	1,761	60,558

INITIAL TEST VOLUME BY MODEL YEAR AND STATION

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(3)

The initial test volume by model year and test station.

Data Found In Appendix I

INITIAL TEST FAILURE RATE BY MODEL YEAR AND TEST STATION

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(4)

The initial test failure rate by model year and test station

Data Found in Appendix 2

CHANGE IN TAILPIPE EMISSION LEVELS AFTER REPAIRS

USEPA Reporting Requirement: 40 CFR Part 51.366 (a)(5)

The average increase or decrease in tailpipe emission levels for HC, CO and NOX (if applicable) after repairs by model year and vehicle type for vehicles receiving a mass emissions test.

Not Applicable – On-Board Diagnostic Testing Only

QUALITY ASSURANCE REPORT

TESTING NETWORK

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(1)(i)

The number of inspection stations and lanes

The testing network consists of 200 stations and five technical assistance centers. The Private Inspection facilities are listed below in Table III.

PRIVATE INSPECTION FACILITIES OPERATING ON DECEMBER 31, 2016

WIST	COMPANY	ADDRESS	CITY	ZIP
WIST1002	Engine & Transmission Exchange	2727 S. 27th St.	Milwaukee	53215
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53007
WIST1016	Tenley Auto	9208 W Capitol Dr	Milwaukee	53222
WIST1017	Valvoline-North Ave.	1700 E North Ave	Milwaukee	53202
WIST1018	Ramsey Motors	5900 S 27th St.	Milwaukee	53221
WIST2014	Midas Auto Service Center	3706 W. Wisconsin Ave.	Milwaukee	53208
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066
WIST2018	Fast Track Oil Change #13	1557 E Moreland Blvd	Waukesha	53186
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080
WIST2021	Port Washington Superlube	1610 N Wisconsin St	Port Washington	53074
WIST2023	Auto Diagnostics	11321 W. Greenfield	West Allis	53214
WIST2024	Valvoline-Main	1951 E Main St	Waukesha	53186
WIST2025	Lakeshore Mobile	2521 E. Capitol	Shorewood	53211
WIST2026	Sudz Menomonee Falls	N95W18255 Appleton Avenue	Menomonee Falls	53051
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095
WIST3006	Martin's Automotive Services	W230S8750 Wynn Dr	Big Bend	53103
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214
WIST3016	Fast Track - Indiana	1328 Indiana Ave.	Sheboygan	53081
WIST3018	Larry's Auto	6373 N 91st St	Milwaukee	53225

WIST	COMPANY	ADDRESS	CITY	ZIP
WIST3021	<i>Eric Von Schledorn</i>	<i>W4873 County Road RR</i>	<i>Random Lake</i>	<i>53075</i>
WIST3022	<i>Fleet 1</i>	<i>749 W State St</i>	<i>Milwaukee</i>	<i>53223</i>
WIST3023	<i>John Amato Nissan</i>	<i>5200 N Port Washington Rd</i>	<i>Glendale</i>	<i>53217</i>
WIST3024	<i>Valvoline-Greenfield</i>	<i>4839 S. 27th Street</i>	<i>Greenfield</i>	<i>53221</i>
WIST3025	<i>Meineke Racine</i>	<i>6006 21st Street</i>	<i>Racine</i>	<i>53406</i>
WIST3028	<i>Russ Darrow Sheboygan</i>	<i>5515 Racetrack Rd</i>	<i>Sheboygan</i>	<i>53081</i>
WIST4002	<i>Joe's Slinger Service LLC</i>	<i>220 Info Hwy. Crt.</i>	<i>Slinger</i>	<i>53086</i>
WIST4003	<i>Kusch's Automotive</i>	<i>136 N. 120th St.</i>	<i>Wauwatosa</i>	<i>53226</i>
WIST4004	<i>Jim's Mobil Service Inc.</i>	<i>12401 W. Cleveland Ave.</i>	<i>New Berlin</i>	
WIST4006	<i>Newman Chevrolet</i>	<i>1181 Wauwatosa Rd</i>	<i>Cedarburg</i>	<i>53012</i>
WIST4009	<i>Bluemound Auto Service</i>	<i>6000 W. Bluemound Rd</i>	<i>Wauwatosa</i>	<i>53213</i>
WIST4014	<i>Laubenheimer's Garage LLC</i>	<i>1860 Hwy 175, PO Box 36</i>	<i>Richfield</i>	<i>53076</i>
WIST4017	<i>F & F Tire World</i>	<i>2930 W. Rawson Ave.</i>	<i>Franklin</i>	<i>53132</i>
WIST4019	<i>Fleet Auto Sales & Service</i>	<i>7400 W. National Ave.</i>	<i>West Allis</i>	<i>53214</i>
WIST4026	<i>Russ Darrow Kia of Wauwatosa</i>	<i>1901 N. Mayfair Rd</i>	<i>Wauwatosa</i>	<i>53226</i>
WIST4031	<i>R & R Automotive</i>	<i>6930 39th Ave.</i>	<i>Kenosha</i>	<i>53142</i>
WIST4032	<i>Laus Tire & Auto</i>	<i>5025 W. Villard Ave.</i>	<i>Milwaukee</i>	<i>53218</i>
WIST4039	<i>Van Horn Dodge</i>	<i>3000 Eastern Ave</i>	<i>Plymouth</i>	<i>53073</i>
WIST4040	<i>Ewald Venus Ford</i>	<i>2727 E. Layton Ave.</i>	<i>Cudahy</i>	<i>53110</i>
WIST4042	<i>Meineke Car Care Center</i>	<i>4320 S 27TH ST</i>	<i>Milwaukee</i>	<i>53221</i>
WIST4043	<i>Fast Track Oil Change #7</i>	<i>4296 S 27TH ST</i>	<i>Milwaukee</i>	<i>53221</i>
WIST4044	<i>Fast Track Oil Change #11</i>	<i>6207 W North Ave</i>	<i>Wauwatosa</i>	<i>53213</i>
WIST4045	<i>Bob's Main Street Auto & Tow</i>	<i>1200 N Main St</i>	<i>West Bend</i>	<i>53090</i>
WIST4048	<i>West Bend Super Lube</i>	<i>2535 W Washington St</i>	<i>West Bend</i>	<i>53095</i>
WIST4049	<i>LaBelle Auto</i>	<i>N56W39413 Hwy 16</i>	<i>Oconomowoc</i>	<i>53066</i>
WIST4050	<i>Rick's Car Care</i>	<i>6121 W Mequon Rd</i>	<i>Mequon</i>	<i>53092</i>
WIST4051	<i>Kastenson Auto</i>	<i>21445 Durand Ave</i>	<i>Union Grove</i>	<i>53182</i>
WIST4053	<i>Liberty Street Auto</i>	<i>1313 Liberty St.</i>	<i>Racine</i>	<i>53404</i>
WIST4054	<i>Valvoline-Plymouth</i>	<i>1950 Eastern Ave</i>	<i>Plymouth</i>	<i>53073</i>
WIST4055	<i>Munro's Auto Service</i>	<i>5048 S. 27th</i>	<i>Milwaukee</i>	<i>53221</i>
WIST5003	<i>Russ Darrow Chrysler Jeep Dodge</i>	<i>7676 North 76th St</i>	<i>Milwaukee</i>	<i>53223</i>
WIST5004	<i>O'Gorman's West Town Auto</i>	<i>7105 W. North Ave.</i>	<i>Wauwatosa</i>	<i>53213</i>
WIST5005	<i>Dave's Garage Inc.</i>	<i>5454 W. Forest Home Ave.</i>	<i>Greenfield</i>	<i>53220</i>
WIST5008	<i>Bob's Main Street Auto & Tow</i>	<i>115 W. Decorah Rd</i>	<i>West Bend</i>	<i>53095</i>
WIST5009	<i>F & F Tire World</i>	<i>410 N. Moorland Rd</i>	<i>Brookfield</i>	<i>53005</i>
WIST5011	<i>F & F Tire World</i>	<i>20120 Bluemound Rd.</i>	<i>Brookfield</i>	<i>53045</i>

WIST	COMPANY	ADDRESS	CITY	ZIP
WIST5012	<i>Krueger's Auto Tech Center</i>	<i>W61N225 Cardinal Ave.</i>	<i>Cedarburg</i>	<i>53012</i>
WIST5014	<i>Frank Boucher Chevrolet Cadillac</i>	<i>8600 Washington Ave.</i>	<i>Racine</i>	<i>53406</i>
WIST5015	<i>Durand Automotive Center</i>	<i>1623 Durand Ave.</i>	<i>Racine</i>	<i>53403</i>
WIST5017	<i>Pro Auto Center</i>	<i>303 E. Monroe Ave.</i>	<i>Hartford</i>	<i>53027</i>
WIST5021	<i>Monro</i>	<i>5930 W. Bluemound Rd</i>	<i>Milwaukee</i>	<i>53213</i>
WIST5023	<i>Russ Darrow Mitsubishi</i>	<i>W226S1700 Hwy 164</i>	<i>Waukesha</i>	<i>53186</i>
WIST5029	<i>Palmen Buick, GMC, Cadillac</i>	<i>7110 74th Place</i>	<i>Kenosha</i>	<i>53142</i>
WIST5036	<i>Monro</i>	<i>3849 S. 27th St.</i>	<i>Milwaukee</i>	<i>53221</i>
WIST5037	<i>Richlonns Tire & Service Center</i>	<i>4440 S. 108th St.</i>	<i>Greenfield</i>	<i>53228</i>
WIST5040	<i>Dads Auto Service</i>	<i>S98W12575 Loomis Crt.</i>	<i>Muskego</i>	<i>53150</i>
WIST5041	<i>Falls Auto Tech</i>	<i>N84W15859 Appleton Ave.</i>	<i>Menomonee Falls</i>	<i>53051</i>
WIST5044	<i>Russ Darrow Nissan</i>	<i>11212 W Metro Blvd</i>	<i>Milwaukee</i>	<i>53224</i>
WIST5045	<i>Dave's Truck & 4 X 4 Repair, LLC</i>	<i>2993 Sherman Rd.</i>	<i>Jackson</i>	<i>53037</i>
WIST5047	<i>Monro</i>	<i>1212 S. 108th St.</i>	<i>West Allis</i>	<i>53214</i>
WIST5049	<i>Chris Auto Service</i>	<i>14000 W. Greenfield Ave.</i>	<i>Brookfield</i>	<i>53005</i>
WIST5053	<i>Mayer Automotive LLC.</i>	<i>W6082 Hwy W</i>	<i>Cascade</i>	<i>53011</i>
WIST5055	<i>Curriepark Auto Center</i>	<i>10745 W. Capitol Dr.</i>	<i>Wauwatosa</i>	<i>53222</i>
WIST5058	<i>Ruby Isle Auto</i>	<i>11137 W. Silver Spring Dr.</i>	<i>Milwaukee</i>	<i>53225</i>
WIST5061	<i>Engine & Transmission Exchange</i>	<i>1604 S. West Ave.</i>	<i>Waukesha</i>	<i>53189</i>
WIST5066	<i>Grady's Automotive Inc.</i>	<i>6272 S. Packard Ave</i>	<i>Cudahy</i>	<i>53110</i>
WIST5069	<i>Fast Track Oil Change #08</i>	<i>7515 W Capitol Dr</i>	<i>Milwaukee</i>	<i>53216</i>
WIST5071	<i>Fast Track Oil Change #05</i>	<i>5428 Washington Ave</i>	<i>Racine</i>	<i>53406</i>
WIST5074	<i>Valvoline-68th St</i>	<i>112 S. 68th St.</i>	<i>Milwaukee</i>	<i>53214</i>
WIST5075	<i>Muffler Magic</i>	<i>9055 N 76th</i>	<i>Milwaukee</i>	<i>53223</i>
WIST5076	<i>Sudz Cudahy</i>	<i>5506 S Packard Ave</i>	<i>Cudahy</i>	<i>53110</i>
WIST5077	<i>Menomonee Falls Superlube</i>	<i>N156 N8390 Pilgrim Rd</i>	<i>Menomonee Falls</i>	<i>53051</i>
WIST6001	<i>M & M Citgo</i>	<i>2101 Douglas Ave.</i>	<i>Racine</i>	<i>53402</i>
WIST6004	<i>Chuck's Main St. Auto</i>	<i>N64W23876 Main St.</i>	<i>Sussex</i>	<i>53089</i>
WIST6007	<i>Anderson Automotive</i>	<i>240 Highland Dr.</i>	<i>Fredonia</i>	<i>53021</i>
WIST6012	<i>Monro</i>	<i>7500 W. Layton Ave.</i>	<i>Greenfield</i>	<i>53220</i>
WIST6013	<i>Lutter's Elmbrook Automotive</i>	<i>16880 Greenfield Ave.</i>	<i>Brookfield</i>	<i>53005</i>
WIST6014	<i>Monro</i>	<i>6084 S. Packard Ave.</i>	<i>Cudahy</i>	<i>53110</i>
WIST6016	<i>Mertens Auto Service Center</i>	<i>389 Milwaukee Ave.</i>	<i>Burlington</i>	<i>53105</i>
WIST6018	<i>Paul's Bender Center</i>	<i>8313 22nd Ave.</i>	<i>Kenosha</i>	<i>53143</i>

WIST	COMPANY	ADDRESS	CITY	ZIP
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182
WIST6030	John Amato Ford	1015 S Main St	Mukwonago	53149
WIST6031	Valvoline-Muskego	N167S7825 Lions Park Dr	Muskego	53150
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080
WIST6034	New Berlin Tire	15650 W National Ave	New Berlin	53151
WIST6035	Good Hope Service	4230 W. Good Hope Rd.	Milwaukee	53209
WIST6036	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085
WIST6037	Valvoline-Kenosha	3015 52nd St	Kenosha	53144
WIST6039	Valvoline-Delafield	2325 Sun Valley Dr	Delafield	53018
WIST6040	Valvoline-27th St	3360 S. 27th St.	Milwaukee	53221
WIST6041	Sudz Franklin	7700 W. Rawson Ave	Franklin	53132
WIST7003	Anastos Motors Inc.	4513 S. Greenbay Rd	Kenosha	53144
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095
WIST7007	Midas	1230 S. Green Bay Rd	Racine	53406
WIST7009	Russ Darrow Honda	9301 W. Brown Deer Rd	Milwaukee	53224
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154
WIST7015	Monro	13190 W. Capitol Dr.	Brookfield	53005
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029
WIST7018	Ernie von Schledorn, Inc.	N88W14167 Main St.	Menomonee Falls	53051
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105
WIST7021	Expert Car Care Inc.	6803 W. National Ave.	West Allis	53214
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228
WIST7023	Lisbon Sales & Services	7515 W. Lisbon Ave.	Milwaukee	53216
WIST7024	Midas	4500 52nd St.	Kenosha	53144
WIST7025	Midas	N96W18375 Hwy Q	Menomonee Falls	53052
WIST7027	Midas Auto Service Center	5811 W. Capitol Dr.	Milwaukee	53216
WIST7030	National Pride Auto	5512 75th St.	Kenosha	53142
WIST7031	Nelson's Automotive of Pewaukee	N49W22900 Commerce Ctr. Dr.	Pewaukee	53072
WIST7032	North Avenue Firestone	4926 W. North Ave.	Milwaukee	53208
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076
WIST7040	Richlonns Tire & Service Center	S78W18755 Janesville Rd	Muskego	53150
WIST7041	Richlonns Tire & Service Center	5131 S. 76th St.	Greendale	53129

WIST	COMPANY	ADDRESS	CITY	ZIP
WIST7042	<i>Richlonns Tire & Service Center</i>	<i>2480 W. Sunset Dr.</i>	<i>Waukesha</i>	<i>53189</i>
WIST7044	<i>Oil Express</i>	<i>N88W15220 Main St.</i>	<i>Menomonee Falls</i>	<i>53051</i>
WIST7045	<i>Rivers Edge Oil & Tire</i>	<i>811 S. Rochester St.</i>	<i>Mukwonago</i>	<i>53149</i>
WIST7046	<i>Weigman's Automotive Inc</i>	<i>7169 W. Fond du Lac Ave.</i>	<i>Milwaukee</i>	<i>53218</i>
WIST7049	<i>Russ Darrow Toyota</i>	<i>2700 W. Washington St.</i>	<i>West Bend</i>	<i>53095</i>
WIST7052	<i>Silver Lake Auto Service Inc.</i>	<i>36355 E. Wisconsin Ave.</i>	<i>Oconomowoc</i>	<i>53066</i>
WIST7053	<i>Silver Lake Auto Service Inc.</i>	<i>551 N. Cogswell Dr.</i>	<i>Silver Lake</i>	<i>53170</i>
WIST7054	<i>Sippl's Auto Service Inc.</i>	<i>N87W17460 Main St.</i>	<i>Menomonee Falls</i>	<i>53051</i>
WIST7055	<i>South Milwaukee Car Care Center</i>	<i>1221 N. Chicago Ave.</i>	<i>South Milwaukee</i>	<i>53172</i>
WIST7056	<i>Southtown Tire & Auto</i>	<i>2906 S. 108th St.</i>	<i>West Allis</i>	<i>53227</i>
WIST7061	<i>Theel Auto Inc.</i>	<i>N8364 County Rd J</i>	<i>Elkhart Lake</i>	<i>53020</i>
WIST7062	<i>Tires Unlimited Automotive Service</i>	<i>1557 N. Wisconsin St.</i>	<i>Port Washington</i>	<i>53074</i>
WIST7064	<i>Trust Tire</i>	<i>10432 N Port Washington Rd</i>	<i>Mequon</i>	<i>53092</i>
WIST7065	<i>Twenty First Century Auto</i>	<i>5300 W. Forest Home Ave.</i>	<i>Milwaukee</i>	<i>53220</i>
WIST7067	<i>Village Tire & Auto</i>	<i>W172N12185 Division Rd</i>	<i>Germantown</i>	<i>53022</i>
WIST7068	<i>Wales Super Lube #421</i>	<i>120 W. Summit Ave</i>	<i>Wales</i>	<i>53183</i>
WIST7069	<i>Silvernail Emissions</i>	<i>2210 Silvernail Rd</i>	<i>Pewaukee</i>	<i>53072</i>
WIST7070	<i>Weissman Automotive</i>	<i>W140N10455 Fond du Lac Ave.</i>	<i>Germantown</i>	<i>53022</i>
WIST7071	<i>Welks Automotive</i>	<i>8333 W. Layton Ave.</i>	<i>Greenfield</i>	<i>53220</i>
WIST7072	<i>Westside Auto Center</i>	<i>820 W. Sumner St.</i>	<i>Hartford</i>	<i>53027</i>
WIST7073	<i>Wilmot Auto Service Inc.</i>	<i>11307 Fox River Rd</i>	<i>Wilmot</i>	<i>53192</i>
WIST7074	<i>Wisconsin Muffler</i>	<i>3634 W. Lincoln Ave.</i>	<i>Milwaukee</i>	<i>53215</i>
WIST7075	<i>Wisconsin Muffler</i>	<i>13320 W. College Ave.</i>	<i>New Berlin</i>	<i>53151</i>
WIST7076	<i>WJ Kuhn Automotive Center Inc.</i>	<i>8511 S. Howell Ave.</i>	<i>Oak Creek</i>	<i>53154</i>
WIST7078	<i>Griffin Ford</i>	<i>1940 E. Main St.</i>	<i>Waukesha</i>	<i>53186</i>
WIST7079	<i>Koplein Tune & Lube</i>	<i>7960 N. 76th St.</i>	<i>Milwaukee</i>	<i>53223</i>
WIST7080	<i>Schmidt Bros Ford Lincoln</i>	<i>925 E. Green Bay Rd</i>	<i>Saukville</i>	<i>53080</i>
WIST7081	<i>Farkas Automotive Inc.</i>	<i>8008 N. Sherman</i>	<i>Brown Deer</i>	<i>53209</i>
WIST7083	<i>Sheboygan Chevrolet GMC Buick</i>	<i>3400 S. Business Dr.</i>	<i>Sheboygan</i>	<i>53081</i>
WIST7086	<i>Russ Darrow Kia of Waukesha</i>	<i>2141 E. Moreland Blvd</i>	<i>Waukesha</i>	<i>53186</i>
WIST7088	<i>Hoffman Auto & Tire</i>	<i>6000 49th St.</i>	<i>Kenosha</i>	<i>53144</i>
WIST7092	<i>G-Brock's Auto Repair</i>	<i>375 E. Ottawa Ave</i>	<i>Dousman</i>	<i>53118</i>
WIST7093	<i>Gordon's Wheel Service</i>	<i>3595 N. 124 St.</i>	<i>Brookfield</i>	<i>53005</i>
WIST7094	<i>Muskego Tire & Auto</i>	<i>573W16610 Janesville Rd</i>	<i>Muskego</i>	<i>53150</i>

WIST	COMPANY	ADDRESS	CITY	ZIP
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227
WIST7108	Fast Track - Calumet	2757 Calumet Dr.	Sheboygan	53081
WIST7109	Fast Track - Taylor	3669 S. Taylor Dr.	Sheboygan	53081
WIST7113	Fast Track Oil Change #03	5400 S. 108th St.	Hales Corners	53130
WIST7115	Black Tie Auto Services	S84W21172 Janesville Rd	Muskego	53150
WIST7116	Fast Track Oil Change #10	14245 W. Capitol Dr.	Brookfield	53005
WIST7118	Tech Way	4004 S Kinnickinnic Ave	St Francis	53235
WIST7119	Fast Track Oil Change #02	W62N271 Washington Ave	Cedarburg	53012
WIST7120	Manyo Motors	4035 n Greenbay Ave	Milwaukee	53209
WIST7121	Boucher Hyundai	1583 E Moreland Blvd	Waukesha	53186
WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142
WIST7124	Valvoline-Glendale	6100 N Port Washington Rd	Glendale	53217
WIST7125	Valvoline-Capitol	7028 W Capitol Dr	Milwaukee	53216
WIST7126	Valvoline-Racine	5920 21st St	Racine	53405
WIST7127	Valvoline-Pewaukee	1812 Silvernail Rd	Pewaukee	53072
WIST7128	Tri City Hyundai	6133 S. 27th street	Greenfield	53221
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189
WIST8001	Silver Lake Auto Center	N76W30620 HWY VV	Hartland	53029
WIST8002	Fast Track Oil Change #1	15400 W National Ave	New Berlin	53151
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204
WIST8005	Fast Track Oil Change #04	6942 W Brown Deer Rd	Milwaukee	53223
WIST8006	Fast Track Oil Change #09	5450 N Port Washington Rd	Glendale	53216
WIST8007	Fast Track Oil Change #6	3130 S 108th St	West Allis	53227
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212
WIST8009	Jackson Superlube	W213N16770 Glen Brook Dr	Jackson	53037
WIST8011	Mike's Quality Auto	457 Falcon Ridge Dr	Burlington	53105
WISTT001	Jerry's Auto Service Inc. (TAC)	W229N2467 Hwy F	Waukesha	53186
WISTT002	Anaya's Auto Repair (TAC)	2515 52nd St.	Kenosha	53140
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086
WISTT006	Carlton Automotive Inc. (TAC)	1416 Center St.	Oostburg	53070

PRIVATE INSPECTION FACILITIES DEACTIVATED IN 2016

DATE OF DE- ACTIVATION	STATION NUMBER	COMPANY	ADDRESS	CITY	ZIP
3/5/2016	WIST4052	Extreme Complete Auto	2405 W. Center St.	Milwaukee	53206
3/17/2016	WIST5056	Aamco Transmission #15160 (#423)*	9055 N. 76th St.	Milwaukee	53223
3/18/2016	WIST2001	Braeger Chevy Inc	4100 S. 27th St	Milwaukee	53221
3/18/2016	WIST5028	Braeger Ford Inc	4201 S. 27th St	Milwaukee	53221
4/26/2016	WIST5070	Tender Car Care	1825 S Kinnickinnic Ave	Milwaukee	53204
5/28/2016	WIST7090	Carwurx Plus	10685 W. Layton Ave.	Greenfield	53228
6/21/2016	WIST6038	Valvoline-Moreland	832 E Moreland Blvd	Waukesha	53186
7/13/2016	WIST2003	Hartnell Chevrolet	7800 Antioch Rd. (Hwy 83)	Salem	53168
7/13/16	WIST1014	Mission Auto Services	1230 South West Ave	Waukesha	53186
7/14/16	WIST1013	Mobil 1 Lube Express #12*	W156N8390 Pilgrim Rd	Menomonee Falls	53051
8/11/2016	WIST1015	Sudz Wash and Lube*	N95W18255 Appleton Avenue	Menomonee Falls	53051
8/11/2016	WIST2020	Sudz Wash and Lube*	7700 W. Rawson Ave	Franklin	53132
8/11/2016	WIST7117	Sudz Wash and Lube*	5506 S Packard Ave	Cudahy	53110
10/13/2016	WIST7017	Richlonns Tire & Service Centers	5418 Washington Ave.	Racine	53406
11/19/2016	WIST8010	Pope Auto	10204 W Greenfield Ave	West Allis	53214
12/12/2016	WIST5007	Monro	N88W15176 Main St.	Menomonee Falls	53051

*These private inspection facilities changed ownership but remained in the program under new WIST numbers.

TECHNICAL ASSISTANCE CENTERS

STATION NUMBER	COMPANY	ADDRESS	CITY	ZIP
WISTT001	Jerry's Auto Service Inc. (TAC)	W229N2467 Hwy F	Waukesha	53186
WISTT002	Anaya's Auto Repair (TAC)	2515 52nd St.	Kenosha	53140
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086
WISTT006	Carlton Automotive Inc. (TAC)	1318 Center St., PO Box 700288	Oostburg	53070

OVERT AND COVERT PERFORMANCE AUDITS

State auditors conduct overt performance audits in conjunction with their equipment audits each week at the inspection facilities. The following table addresses the overt and covert performance audit activity.

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(2)(i)(ii)(v)

The number of inspection stations and lanes operating throughout the year:

(i) Receiving overt performance audits in the year: 211

(ii) Not receiving overt audits in the year: 1

(iii) Receiving covert audits in the year: 211

(iv) Not receiving covert audits in the year: 1

(v) That have been shut down as a result of overt performance audits: 18

COVERT AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(3)

There were 510 covert audits conducted in 2016.

FINES, SUSPENSION OR TERMINATION DUE TO AUDIT FAILURES

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(4)

4 inspectors and 0 stations were suspended, fined or prohibited from testing as a result of overt or covert audits.

14 inspectors and 4 stations were suspended or prohibited from testing due to violations uncovered during data analysis.

NUMBER OF INSPECTORS LICENSED OR CERTIFIED TO CONDUCT TESTING

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(5)

There were 1,502 inspectors certified to conduct tests in 2016.

NUMBER OF HEARINGS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(6)

There were 0 hearings held to consider adverse actions against inspectors and stations.

FINES

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(7)

There was \$0 collected in fines from inspectors and stations.

COVERT AUDITS

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(8)

There were 5 covert vehicles available for undercover audits.

USEPA Reporting Requirement: 40 CFR Part 51.366 (b)(9)

There was 5 auditor(s) available for undercover audits.

QUALITY CONTROL REPORT

NUMBER OF EMISSION TESTING SITES AND LANES

USEPA Reporting Requirement: 40 CFR Part 51.366 (c)(1)

There were 212 inspection sites available for testing in 2016.

NUMBER OF EQUIPMENT AUDITS BY STATION AND LANE

USEPA Reporting Requirement: 40 CFR 51.366 (c)(2)

Equipment audits by station and lane.

There were 3,564 equipment audits conducted in 2016.

USEPA Reporting Requirement: 40 CFR 51.366 (c)(3)

The number and percentage of stations that have failed equipment audits:

There were 0 stations that failed equipment audits in 2016.

USEPA Reporting Requirement: 40 CFR 51.366 (c)(4)

The number and percentage of stations and lanes shut down as a result of an equipment audit:

There were 0 stations that were shut down resulting from an equipment audit failure.

ENFORCEMENT REPORT

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(i): An estimate of the number of vehicles subject to the inspection program, including the results of an analysis of the registration database.

Each month, the Wisconsin Department of Transportation selects vehicles subject to the mandatory testing requirement for registration renewal purposes. There were 582,951 vehicles selected (model years: 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011 and 2013) for notification in 2016. There were an additional estimated 159,318 vehicles selected for notification at change of ownership, for an estimated 742,269 vehicles.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(ii): The percentage of motorists compliance based upon a comparison of the number of valid final tests with the number of subject vehicles.

Overall, 626,276 vehicles receiving mandatory inspections in 2016 received a pass, waiver or diagnostic waiver test result. This is an 84.4% compliance rate for mandatory testing requirements. Variables include vehicles that changed ownership at the time their registrations were due and vehicles that were moved outside of the testing area after the registration select occurred.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(iii): The total number of compliance documents issued to inspection stations. o

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(iv) The number of missing compliance documents. o

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(v) The number of time extensions and other exemptions granted to motorists. There were 24,786 temporary plates issued in 2016. WisDOT Vehicle Emissions Inspection Unit issued 119 temporary exemptions, and DMV issued 3,487 temporary exemptions in 2016.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(1)(vi) The number of compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found.

There were 0 compliance surveys conducted in 2016.

REGISTRATION DENIAL BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(2)(i) A report of the program's efforts and actions to prevent motorists from falsely registering vehicles out of the program area or falsely changing fuel type or weight class on the vehicle registration, and the results of special studies to investigate the frequency of such activity.

In 2016, WisDOT personnel completed investigations on 448 vehicles that listed domicile outside of the program area, but were suspected of being kept in the program area. After receiving notification for WisDOT, 263 vehicles submitted to testing and received a passing result; 89 vehicles were suspended for failing to comply; 27 were junked or sold and 69 provided verification that they were being kept outside of the program area.

USEPA Reporting Requirement: 40 CFR 51.366 (d)(2)(ii) The number of registration file audits, number of registrations reviewed and compliance rates found in such audits.

There were 0 registration file audits conducted in 2015.

COMPUTER-MATCHING BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(3) Wisconsin is a registration denial based enforcement system. This section is not applicable.

STICKER- BASED ENFORCEMENT PROGRAMS

USEPA Reporting Requirement: 40 CFR 51.366 (d)(4) Wisconsin is a registration denial based enforcement system. This section is not applicable.

ADDITIONAL REPORTING REQUIREMENTS

BIENNIAL REPORT WISCONSIN VEHICLE EMISSIONS TESTING PROGRAM INSPECTION AND MAINTENANCE PROGRAM 2015 – 2016

INTRODUCTION

This report has been prepared for the U.S. Environmental Protection Agency (U.S. EPA), in compliance with the requirements of 40 CFR 51.366. The information in this report covers the reporting period of 2015-2016.

Since 1984, the DOT and DNR have jointly administered the Wisconsin Vehicle Inspection Program (WVIP, or I/M PROGRAM). DNR establishes the emissions limitations and DOT administers the program. The program exists in response to requirements of the federal Clean Air Act, administered by U.S. EPA.

The WVIP addresses violations of the 8-hour ozone and carbon monoxide National Ambient Air Quality Standards. The primary goals of this program are to identify and repair vehicles emitting excessive amounts of targeted air pollutants – carbon monoxide (CO), nitrogen oxides (NOx), and volatile organic compounds (VOCs). The program also reduces emissions of particulate matter and toxic chemicals such as benzene, 1-3 butadiene and formaldehyde.

The I/M program began operating as a basic program in Wisconsin's six-county "severe" ozone non-attainment area – Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha counties. The program expanded to Sheboygan County, designated a "moderate" ozone nonattainment area, in July 1993. Initially, all vehicle inspections consisted of measuring tailpipe emission levels. Since July of 2001, however, all model year 1996 and newer cars and light trucks receive inspections by scanning the vehicles' computerized second-generation on-board diagnostic (OBD-II) systems. In July 2008, the program dropped tailpipe testing entirely and thereby inspected all vehicles by scanning the OBD-II systems. This resulted from statutory changes in the 2007-2009 biennial budgets exempting from the vehicle inspection program the model years of vehicles not federally required to be equipped with the OBD-II technology (model year 1995 and older cars and light trucks and model year 2006 and older heavy trucks). The WVIP tested approximately 636,364 vehicles in 2015. Including all tests issued with a result of pass, fail, abort, void, or waived, the WVIP conducted 675,536 tests. The program's aggregate failure rate in 2015 (among pass and fail results) was 6.0 %.

The primary mode of I/M program compliance enforcement in Wisconsin is denial of vehicle registration. Testable vehicles in the seven I/M counties must obtain either a passing emission inspection or a waiver before the owner can renew her/his registration. Upon completing the testing and registration renewal process, the motorist receives a license plate sticker indicating the month and year until which the registration remains valid.

Currently, motorists qualified to renew their registration may do so through the WisDOT Division of Motor Vehicles (DMV), at an emissions inspection station, or at one of numerous other authorized third-party DMV Agent sites. The latter include a variety of businesses, e.g. convenience marts, financial service centers, and some municipal offices. Motorists may also renew online.

USEPA Reporting Requirement: 40 CFR 51.366 (3)(1) Any changes made to the program design, funding, personnel levels, procedures, regulations, and legal authority with detailed discussion and evaluation of the impact on the program of all such changes

WISCONSIN DEPARTMENT OF TRANSPORTATION PERSONNEL

A Quality Assurance Intern joined the program during the summer of 2016.

WAIVER REPAIR COST LIMIT RAISED

The waiver repair cost limit increased to \$872, effective July 1, 2016.

OPUS INSPECTION, INC. CONTRACT RENEWAL

The WIVIP contract with Opus was renewed through June 30, 2020.

USEPA Reporting Requirement: 40 CFR 51.366 (3)(2) Any weaknesses or problems identified in the program within the two-year reporting period, what steps have already been taken to correct these problems, the results of those steps, and any future efforts planned.

PROGRAM ISSUES IDENTIFIED AND CORRECTED

The Wisconsin DOT and Opus Inspection worked together on an ongoing basis to address and resolve any issues that arose during the operation of the vehicle inspection and maintenance program. . The continuing communication between the parties results in no long-term issues.

40 CFR Part 51.366 (a)(3)
Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST1002	1,967	14	89	34	124	58	198	52	261	58	231	62	250	69	129
WIST1003	1,199	7	41	10	51	19	89	21	112	20	159	26	171	25	101
WIST1012	886	7	34	8	43	15	70	25	87	21	99	27	129	19	75
WIST1013	1,359	8	26	8	71	17	80	20	137	19	182	17	191	31	154
WIST1014	971	10	34	15	64	30	84	33	107	24	128	29	115	27	76
WIST1015	7,588	23	134	41	310	90	428	128	721	140	952	165	1,118	159	822
WIST1016	399	4	7	9	28	9	23	15	45	13	48	14	49	11	26
WIST1017	4,561	34	92	73	241	109	272	163	422	152	430	163	578	164	437
WIST1018	378	6	14	3	12	10	26	6	40	11	50	8	58	16	31
WIST2001	1,101	15	34	14	55	20	83	21	117	21	133	35	148	50	87
WIST2003	1,266	6	39	8	66	16	89	18	140	20	148	24	156	30	115
WIST2014	1,256	23	52	23	77	60	105	52	133	65	144	42	129	39	105
WIST2015	2,985	28	58	23	101	49	154	57	223	67	307	62	442	68	359
WIST2017	2,017	9	43	8	54	12	102	22	150	36	197	45	266	36	215
WIST2018	4,834	45	112	38	218	82	316	95	476	113	569	136	624	135	463
WIST2019	813	3	34	6	45	16	68	21	103	18	97	14	97	16	79
WIST2020	6,970	31	174	37	259	77	419	96	638	108	850	136	923	133	726
WIST2021	1,239	4	31	14	57	23	78	30	108	27	169	23	152	38	125
WIST2023	738	3	27	5	45	11	50	20	78	16	95	22	91	16	72
WIST2024	2,144	12	47	11	76	40	133	43	164	64	238	59	314	62	191
WIST2025	1,527	6	38	16	59	19	74	28	136	24	155	30	203	30	157
WIST2026	3,984	18	72	29	152	49	217	88	318	104	457	112	521	111	370
WIST3003	1,464	12	43	13	76	28	110	38	159	34	183	35	177	29	149
WIST3005	3,113	10	76	26	125	46	200	39	282	53	349	64	400	67	305
WIST3006	1,733	13	58	16	119	30	135	37	194	36	212	49	246	31	147
WIST3013	3,825	35	91	45	150	100	225	109	332	126	361	150	461	136	317
WIST3014	1,694	13	61	21	94	42	168	68	201	43	224	47	186	38	153
WIST3016	4,781	62	210	74	322	134	426	129	493	142	584	155	572	140	366
WIST3018	1,583	20	59	39	102	60	118	80	165	60	191	59	173	73	102
WIST3021	1,157	5	33	10	56	11	55	30	110	25	132	26	134	31	104
WIST3022	153	1	1	2	2	6	27	3	13	3	29	2	28	3	4
WIST3023	1,204	12	24	4	27	15	50	14	61	22	102	26	150	26	145
WIST3024	1,173	12	28	15	56	29	86	27	111	33	129	34	148	38	112

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Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST3025	354	1	6	2	28	17	20	6	31	13	39	10	41	14	25
WIST3028	35		2		1		1		1	3	2		4	3	
WIST4002	1,038	8	29	8	47	7	72	20	101	15	120	21	142	22	107
WIST4003	3,629	16	102	32	180	41	252	62	348	75	435	90	476	83	371
WIST4004	3,318	19	92	17	169	33	237	66	334	58	447	68	459	74	295
WIST4006	6,527	27	154	29	266	75	397	96	596	120	800	134	885	147	726
WIST4009	2,020	7	48	14	86	34	141	37	193	47	253	41	264	61	203
WIST4014	800	6	32	6	64	4	63	16	87	17	94	21	97	20	73
WIST4017	3,744	23	94	15	141	44	230	58	355	65	497	63	542	91	389
WIST4019	1,554	8	61	24	113	29	160	43	189	46	192	41	197	38	133
WIST4026	2,476	14	29	8	84	24	99	35	160	48	289	39	332	57	260
WIST4031	3,264	25	139	49	240	99	304	98	346	106	415	101	345	77	254
WIST4032	5,817	84	262	161	457	291	555	305	593	274	611	235	602	198	296
WIST4039	996	4	24	7	41	10	68	13	73	18	125	9	156	18	85
WIST4040	2,130	6	63	14	96	24	114	35	195	28	259	41	252	45	219
WIST4042	4,440	35	147	79	265	113	351	158	499	164	540	161	517	163	351
WIST4043	11,639	142	477	185	688	346	994	407	1,366	420	1,426	418	1,336	371	821
WIST4044	7,619	93	268	149	434	281	603	339	755	310	845	261	857	249	581
WIST4045	2,412	14	57	21	136	38	189	42	245	39	323	55	334	40	195
WIST4048	2,673	13	83	22	95	47	141	62	254	73	362	58	340	70	261
WIST4049	940	2	21	7	43	14	63	15	101	16	117	24	128	27	97
WIST4050	2,254	5	37	14	71	15	120	32	194	42	228	37	306	57	262
WIST4051	2,457	22	106	32	153	38	185	59	241	65	320	53	309	60	183
WIST4052	45	2	4	3	3	3	2	3	5	1	5	2	4	5	1
WIST4053	148	2	10	4	8	1	19	6	15	4	13	5	19	4	6
WIST4054	2,024	26	65	19	97	43	127	33	224	51	236	45	266	55	183
WIST4055	827	9	34	6	57	8	57	21	76	31	108	22	88	18	80
WIST5003	2,249	24	69	25	136	48	150	62	214	79	271	83	259	85	174
WIST5004	2,551	11	61	9	100	30	149	37	250	52	314	59	380	47	282
WIST5005	1,691	15	80	10	133	28	160	36	197	35	223	44	195	37	159
WIST5007	399		8	1	33	5	28	3	49	8	35	6	58	9	42
WIST5008	7,528	49	252	68	421	110	614	133	840	171	990	169	1,007	179	646
WIST5009	1,287	6	13	4	17	10	50	11	82	22	143	24	199	25	142

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Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST5011	2,884	7	45	8	87	19	130	21	228	39	325	46	433	63	313
WIST5012	2,699	9	83	9	121	44	183	34	287	49	311	53	384	69	288
WIST5014	6,691	36	165	47	299	76	405	122	595	135	755	133	878	175	664
WIST5015	2,718	40	134	60	221	90	257	96	292	83	317	81	290	63	168
WIST5017	1,713	14	58	27	105	40	145	50	175	39	211	30	235	43	132
WIST5021	1,067	7	31	7	41	19	75	27	106	23	139	26	147	33	86
WIST5023	628	5	14	4	34	8	37	11	56	16	77	18	90	33	64
WIST5028	389	3	9	1	15	5	27	5	43	11	38	12	37	10	36
WIST5029	7,130	48	192	66	270	101	443	155	592	190	741	165	931	201	764
WIST5036	422	7	11	7	20	11	28	9	49	9	47	13	50	14	35
WIST5037	1,738	16	53	16	74	26	133	29	152	31	214	43	233	38	166
WIST5040	1,258	13	47	20	72	17	102	32	127	32	153	22	170	27	116
WIST5041	1,651	4	33	13	71	16	86	19	156	25	214	33	207	35	179
WIST5044	846	4	9	4	27	8	30	13	59	21	79	18	100	22	88
WIST5045	515	4	15	4	33	6	34	12	61	9	60	13	72	14	54
WIST5047	294	5	10	2	13	4	20	1	42	5	39	6	33	4	28
WIST5049	3,043	10	82	20	145	32	208	41	311	56	372	54	433	65	303
WIST5053	1,033	9	62	17	75	31	98	27	107	16	147	12	134	20	65
WIST5055	6,305	42	189	81	305	131	484	163	617	242	792	195	775	192	587
WIST5056	140	1	5		8	3	12	6	14	5	17	4	10	10	10
WIST5058	1,298	8	58	22	87	30	95	38	131	43	154	42	172	38	94
WIST5061	2,490	21	85	25	137	50	200	60	310	73	313	56	325	57	192
WIST5066	3,299	21	113	43	223	51	264	78	391	80	422	88	384	99	264
WIST5069	6,355	98	213	138	452	295	498	360	656	356	653	310	656	262	367
WIST5070	155	4	3	2	2	2	13	5	13	5	19	7	12	8	14
WIST5071	7,060	67	183	99	345	151	503	191	703	181	822	199	876	192	607
WIST5074	4,797	27	138	71	229	92	357	136	437	162	562	157	653	156	414
WIST5075	591	4	20	11	39	22	41	26	69	16	68	26	79	20	36
WIST5076	2,214	31	88	34	127	53	162	62	224	81	215	67	261	75	179
WIST5077	922	7	19	2	35	7	61	21	86	13	98	21	122	34	87
WIST6001	8,641	84	404	152	672	253	821	321	924	256	1,018	225	956	235	647
WIST6004	5,185	19	105	24	218	50	339	88	518	96	634	89	717	112	539
WIST6007	958	5	39	14	69	23	80	24	116	30	115	22	128	18	76

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Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST6012	934	5	19	8	56	14	51	24	84	18	103	24	122	16	112
WIST6013	2,462	8	56	20	88	23	163	34	202	51	276	50	343	53	269
WIST6014	1,200	15	43	11	72	22	106	24	130	27	153	32	154	22	115
WIST6016	2,492	15	94	28	151	47	156	56	246	41	315	56	295	50	235
WIST6018	5,111	47	210	69	358	132	469	158	575	164	632	137	570	124	422
WIST6021	1,485	6	28	10	55	16	105	21	128	33	180	39	236	26	139
WIST6022	1,554	5	27	10	52	23	67	28	119	27	151	31	194	43	179
WIST6026	995	5	25	7	42	8	60	21	82	20	105	23	103	28	93
WIST6030	2,269	12	54	12	82	15	127	35	192	37	217	39	300	64	238
WIST6031	996	8	17	11	37	9	55	15	97	18	118	22	120	30	91
WIST6033	943	3	10	5	35	11	35	8	73	11	102	17	122	22	103
WIST6034	1,359	13	30	6	52	11	72	21	113	25	152	25	163	30	170
WIST6035	1,707	18	56	21	104	47	136	43	163	72	206	58	209	40	118
WIST6036	775	10	20	8	36	8	64	8	86	18	84	20	102	15	73
WIST6037	3,993	52	178	90	290	132	364	161	421	147	452	125	446	130	256
WIST6038	883	10	32	8	46	25	59	31	93	33	106	29	107	24	49
WIST6039	1,359	7	19	11	35	10	55	18	95	24	117	22	183	33	141
WIST6040	3,906	48	173	75	259	124	308	148	469	163	447	133	456	128	300
WIST6041	3,342	22	54	27	114	34	155	66	260	85	367	81	412	114	331
WIST7003	8,460	69	295	110	499	171	663	243	841	218	894	219	1,035	259	731
WIST7004	4,387	37	169	57	299	114	373	99	469	129	479	118	542	114	351
WIST7006	1,048	5	26	8	42	12	59	19	83	27	120	13	161	22	90
WIST7007	1,128	9	34	11	48	20	73	16	117	27	126	27	128	19	135
WIST7009	3,259	25	83	35	147	69	210	83	303	100	384	112	383	92	268
WIST7011	4,430	43	160	42	238	96	365	107	477	115	550	105	515	111	393
WIST7014	5,623	31	147	37	293	91	402	134	548	137	724	145	684	155	526
WIST7015	1,052	4	21	10	41	17	62	13	114	16	120	18	155	25	116
WIST7016	7,468	22	154	45	278	73	427	110	628	150	906	166	1,044	180	779
WIST7017	2,895	14	83	32	157	47	192	68	285	58	345	59	393	67	293
WIST7018	1,021	7	19	8	37	11	55	17	89	15	80	18	124	27	115
WIST7020	1,093	7	36	14	56	23	93	28	106	26	136	21	121	22	101
WIST7021	1,303	13	47	28	88	29	113	40	129	32	179	38	169	34	107
WIST7022	3,033	6	74	20	123	29	198	37	293	54	371	55	420	56	318

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Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST7023	2,883	11	126	42	200	63	234	98	315	97	373	93	338	76	237
WIST7024	1,373	9	43	19	58	34	108	34	153	43	167	47	162	26	121
WIST7025	944	7	23	4	39	18	59	15	92	16	113	15	127	27	91
WIST7027	849	11	44	19	74	34	67	55	94	30	88	36	89	27	50
WIST7030	6,925	69	202	70	392	122	526	187	668	192	857	198	822	198	614
WIST7031	1,308	4	15		50	11	62	11	96	26	140	23	191	32	152
WIST7032	2,368	33	101	59	170	110	215	125	258	83	243	91	237	81	145
WIST7033	5,124	49	214	85	388	145	482	176	576	155	636	167	568	133	344
WIST7036	5,166	53	208	91	357	138	451	184	543	165	593	167	607	105	424
WIST7039	1,528	7	28	8	94	17	103	25	146	32	199	30	208	31	157
WIST7040	3,216	21	94	15	148	25	164	39	292	63	423	66	447	67	350
WIST7041	4,187	21	93	32	198	60	255	77	417	85	479	91	634	111	457
WIST7042	7,764	39	199	65	364	94	503	127	817	161	1,018	134	1,030	166	793
WIST7044	3,843	22	123	44	175	56	250	65	395	72	436	90	529	88	383
WIST7045	5,700	26	134	39	248	84	351	79	571	99	695	132	779	135	572
WIST7046	2,704	40	123	71	215	119	262	129	315	121	315	90	271	84	172
WIST7049	2,582	16	51	19	105	26	150	38	235	41	306	54	366	55	256
WIST7052	7,521	28	195	58	317	91	425	126	624	147	859	158	1,067	190	771
WIST7053	2,047	19	58	18	122	38	167	53	209	49	223	63	273	48	182
WIST7054	1,163	6	31	10	83	15	95	16	116	22	185	25	133	21	112
WIST7055	4,869	35	179	54	308	88	397	110	555	124	607	122	584	117	426
WIST7056	4,121	29	126	41	222	66	287	95	407	103	550	101	567	96	381
WIST7061	1,250	5	47	14	87	14	96	20	129	31	143	20	165	22	119
WIST7062	3,119	17	98	21	155	43	229	59	317	76	446	54	432	75	287
WIST7064	3,852	9	52	18	109	27	187	37	291	46	384	60	533	93	464
WIST7065	5,366	54	208	60	378	125	520	194	605	157	641	150	708	122	389
WIST7067	1,451	6	40	9	68	19	103	24	135	22	167	26	194	29	156
WIST7068	2,989	14	69	18	135	34	168	44	306	63	345	69	399	82	306
WIST7069	6,787	36	142	43	282	86	435	125	608	147	798	137	958	163	701
WIST7070	1,934	6	37	14	83	25	123	37	170	34	223	26	270	41	211
WIST7071	4,337	30	131	39	233	56	298	122	425	85	547	117	518	114	434
WIST7072	3,618	19	93	28	151	47	259	73	339	71	423	68	512	86	373
WIST7073	3,791	29	121	44	191	84	271	103	390	112	470	98	450	127	330

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Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST7074	11,791	174	631	257	940	427	1,225	560	1,472	468	1,429	490	1,261	436	643
WIST7075	2,823	8	93	25	157	44	215	58	298	60	369	33	356	56	269
WIST7076	6,947	21	163	58	297	77	413	121	670	124	820	144	958	165	703
WIST7078	3,039	11	77	17	128	37	205	40	248	51	334	73	386	61	317
WIST7079	2,002	19	83	30	141	58	181	69	205	96	234	76	231	82	123
WIST7080	4,100	27	114	33	203	59	278	79	400	82	523	103	497	110	381
WIST7081	4,894	33	156	62	313	115	387	143	546	137	599	164	608	153	416
WIST7083	9,483	47	236	86	447	139	647	163	869	216	1,137	228	1,302	253	882
WIST7086	931	10	12	7	29	7	52	13	65	15	107	24	133	20	92
WIST7088	763	6	24	11	41	21	61	28	82	15	94	23	77	17	52
WIST7090	520		16	2	26	9	35	9	53	12	74	16	75	13	55
WIST7092	1,795	8	23	9	75	32	133	19	178	34	198	35	229	40	185
WIST7093	3,593	10	95	18	151	39	247	52	364	77	467	73	498	81	387
WIST7094	4,045	12	72	23	180	48	229	49	360	66	506	79	577	93	413
WIST7095	1,443	10	28	6	68	19	111	21	160	32	169	20	182	27	152
WIST7098	3,251	7	70	18	141	41	212	63	297	57	411	59	483	82	354
WIST7103	3,294	22	113	20	177	40	264	56	315	67	437	61	482	84	301
WIST7106	4,420	22	69	11	112	32	193	48	350	63	448	81	653	117	609
WIST7108	7,807	78	283	79	498	150	618	177	810	190	958	186	1,049	186	646
WIST7109	4,810	31	129	57	248	92	353	132	444	121	598	119	657	119	410
WIST7113	3,404	28	81	35	137	57	218	59	314	71	421	78	442	95	341
WIST7115	236	1	3	1	13	3	13	3	23	5	29	3	40	5	24
WIST7116	6,327	33	116	34	252	54	332	85	553	118	735	150	871	179	685
WIST7117	4,742	50	163	61	303	99	379	125	482	117	615	105	631	122	415
WIST7118	2,663	15	78	31	147	35	188	60	278	71	327	63	328	74	259
WIST7119	2,967	13	44	19	114	31	163	50	257	57	335	60	416	68	304
WIST7120	1,167	17	55	30	86	46	94	43	138	58	124	44	115	44	70
WIST7121	2,237	8	38	9	59	20	93	34	164	33	203	45	273	45	255
WIST7123	3,188	15	72	26	124	43	157	56	274	67	324	84	415	63	301
WIST7124	2,737	13	38	16	74	28	146	53	229	61	320	72	408	87	291
WIST7125	1,853	21	62	50	123	85	155	101	185	119	179	89	174	73	110
WIST7126	996	8	32	13	33	21	66	24	82	24	120	27	141	28	81
WIST7127	4,330	17	81	37	172	48	201	88	335	81	497	105	579	119	472

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Station ID	Total Tests	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
WIST7128	361	4	3	2	3	4	14	1	22	4	43	2	42	8	28
WIST7129	221		9		19	3	21	5	14	7	27	7	29	13	16
WIST8001	1,457	5	43	10	52	17	85	20	126	39	172	31	190	34	142
WIST8002	5,603	21	94	37	202	65	321	88	488	105	648	98	813	138	601
WIST8003	21	4			1	2					3			2	
WIST8004	9,653	161	532	269	863	436	1,065	533	1,220	440	1,133	380	838	339	431
WIST8005	4,582	42	123	52	235	130	331	149	411	169	533	157	586	162	384
WIST8006	12,105	69	255	129	535	218	766	335	1,142	410	1,293	378	1,543	349	1,229
WIST8007	5,543	58	167	61	260	96	353	133	512	128	660	162	749	130	576
WIST8008	3,008	44	156	82	219	134	288	127	331	118	315	104	320	84	214
WIST8009	2,180	7	40	11	90	16	135	40	216	42	266	39	300	56	199
WIST8010	609	4	25	7	34	12	37	16	65	20	83	16	82	14	50
WIST8011	4,825	28	132	52	242	74	327	100	452	102	608	105	642	126	425
WISTT001	3,083	14	92	26	169	22	185	34	260	75	365	36	413	95	320
WISTT002	1,489	18	81	32	106	46	125	48	172	50	192	44	171	36	119
WISTT003	4,839	53	194	93	302	109	407	189	527	148	631	167	538	162	362
WISTT005	3,094	10	79	24	137	37	204	54	271	68	348	68	399	92	317
WISTT006	2,678	14	91	32	140	48	202	56	316	65	322	66	379	61	221
ALL	634,669	4,641	18,967	6,967	33,038	12,060	45,168	15,505	62,457	16,405	75,124	16,391	81,019	16,924	57,732

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Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST1002	1,967	50	136	15	133	2	2		
WIST1003	1,199	16	163	6	155	3	3	1	
WIST1012	886	15	97	10	95	6	1	1	2
WIST1013	1,359	24	198	11	156	5	3	1	
WIST1014	971	26	88	6	72	2	1		
WIST1015	7,588	139	1,037	70	1,085	12	11	3	
WIST1016	399	10	33	3	47	3		1	1
WIST1017	4,561	143	486	57	501	27	8	6	3
WIST1018	378	12	33	4	32	5	1		
WIST2001	1,101	32	103	16	117				
WIST2003	1,266	28	174	12	170	3	3	1	
WIST2014	1,256	28	87	6	80	3	2	1	
WIST2015	2,985	54	433	37	419	31	10	3	
WIST2017	2,017	47	359	27	360	22	3	2	2
WIST2018	4,834	96	618	55	609	21	9	3	1
WIST2019	813	17	75	7	92	5			
WIST2020	6,970	111	1,023	63	1,137	13	13	2	1
WIST2021	1,239	24	127	19	182	8			
WIST2023	738	18	66	10	84	8		1	
WIST2024	2,144	47	274	40	298	26	1	1	3
WIST2025	1,527	34	205	23	268	15	4	2	1
WIST2026	3,984	90	558	61	598	51	8		
WIST3003	1,464	33	157	12	149	20	3	1	3
WIST3005	3,113	62	437	27	506	29	3	3	4
WIST3006	1,733	22	178	20	180	9		1	
WIST3013	3,825	88	460	72	505	40	13	7	2
WIST3014	1,694	29	133	13	153	6	1		
WIST3016	4,781	96	422	37	385	20	8	3	1
WIST3018	1,583	31	123	15	107	3	1	2	
WIST3021	1,157	28	135	18	189	17		5	3
WIST3022	153	1	11	2	14			1	
WIST3023	1,204	40	191	20	247	20	4	1	3
WIST3024	1,173	15	122	10	155	12		1	

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Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST3025	354	13	43	4	33	8			
WIST3028	35	3	3	2	7	2			1
WIST4002	1,038	27	143	7	131	9	2		
WIST4003	3,629	80	420	31	501	19	13	2	
WIST4004	3,318	57	411	30	424	19	7	2	
WIST4006	6,527	117	917	86	908	40	6	1	
WIST4009	2,020	43	245	18	279	4	1		1
WIST4014	800	12	90	6	86	4	1	1	
WIST4017	3,744	80	463	43	527	22		2	
WIST4019	1,554	22	135	7	108	6	1	1	
WIST4026	2,476	60	388	38	474	23	13	2	
WIST4031	3,264	77	293	19	261	13	1	2	
WIST4032	5,817	141	383	50	292	15	11		1
WIST4039	996	18	145	3	167	12			
WIST4040	2,130	51	278	19	367	19	4	1	
WIST4042	4,440	104	362	31	361	25	9	5	
WIST4043	11,639	294	944	84	844	51	18	6	1
WIST4044	7,619	176	648	80	641	26	18	4	1
WIST4045	2,412	44	310	21	285	18	1	3	2
WIST4048	2,673	61	335	19	355	19	3		
WIST4049	940	23	116	14	106	5			1
WIST4050	2,254	37	345	22	400	27	1	2	
WIST4051	2,457	48	297	18	255	7	4	1	1
WIST4052	45		1				1		
WIST4053	148	1	21	1	7	1	1		
WIST4054	2,024	44	223	16	245	17	6	3	
WIST4055	827	17	97	3	81	12	1		1
WIST5003	2,249	58	223	35	224	14	9	4	3
WIST5004	2,551	46	332	22	350	14	3		3
WIST5005	1,691	33	149	9	142	6			
WIST5007	399	8	49	2	52	3			
WIST5008	7,528	126	833	54	829	30	5	2	
WIST5009	1,287	31	240	12	239	17			

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Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST5011	2,884	46	500	36	495	34	6	3	
WIST5012	2,699	48	338	26	336	24	3		
WIST5014	6,691	142	901	77	1,012	60	10	3	1
WIST5015	2,718	56	213	25	221	9	1	1	
WIST5017	1,713	35	173	20	164	11	3	1	2
WIST5021	1,067	25	124	10	133	7		1	
WIST5023	628	18	65	7	64	5	1	1	
WIST5028	389	7	62	4	60	2	2		
WIST5029	7,130	163	955	90	988	49	17	6	3
WIST5036	422	9	47	8	45	3			
WIST5037	1,738	36	213	17	231	13	2	1	1
WIST5040	1,258	19	127	8	146	6	2		
WIST5041	1,651	35	236	18	258	11	1		1
WIST5044	846	36	131	10	157	20	7	3	
WIST5045	515	5	62	7	45	4	1		
WIST5047	294	7	39	4	29	3			
WIST5049	3,043	51	420	33	394	10	1	2	
WIST5053	1,033	18	99	4	84	7	1		
WIST5055	6,305	143	649	63	612	29	11	2	1
WIST5056	140	9	9	2	13	1	1		
WIST5058	1,298	19	131	13	114	3	2	2	2
WIST5061	2,490	42	272	21	236	11	4		
WIST5066	3,299	73	350	27	306	15	5	2	
WIST5069	6,355	164	416	65	359	22	14	1	
WIST5070	155	7	14	9	15		1		
WIST5071	7,060	143	826	74	844	37	10	5	2
WIST5074	4,797	124	513	50	485	19	5	4	6
WIST5075	591	19	48	4	35	3	2	1	2
WIST5076	2,214	62	243	30	201	17	2		
WIST5077	922	17	154	9	117	12			
WIST6001	8,641	153	721	48	718	28	4	1	
WIST6004	5,185	101	701	49	749	33	1	1	2
WIST6007	958	16	91	8	80	4			

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Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST6012	934	15	129	13	114	7			
WIST6013	2,462	44	353	33	373	20	2		1
WIST6014	1,200	26	110	11	116	9	2		
WIST6016	2,492	37	321	19	309	16	3	2	
WIST6018	5,111	74	436	32	476	23	2	1	
WIST6021	1,485	23	205	19	200	11	2	1	2
WIST6022	1,554	34	221	12	306	22	2		1
WIST6026	995	18	120	10	214	11			
WIST6030	2,269	46	374	34	369	17	4	1	
WIST6031	996	14	134	22	160	15	3		
WIST6033	943	23	155	12	181	12	2		1
WIST6034	1,359	26	202	21	207	16	2	2	
WIST6035	1,707	29	152	17	205	11	1		1
WIST6036	775	13	91	6	107	4		1	1
WIST6037	3,993	74	337	31	291	13	3		
WIST6038	883	18	95	8	108		2		
WIST6039	1,359	34	223	24	283	18	4	1	2
WIST6040	3,906	85	265	38	260	14	7	5	1
WIST6041	3,342	93	470	54	535	60	6	2	
WIST7003	8,460	180	933	75	970	47	6	1	1
WIST7004	4,387	85	447	37	429	30	5	4	
WIST7006	1,048	23	134	15	168	14	5	2	
WIST7007	1,128	17	168	9	137	7			
WIST7009	3,259	75	397	36	425	25	5	2	
WIST7011	4,430	82	461	36	495	28	6	5	
WIST7014	5,623	119	673	62	672	34	3	4	2
WIST7015	1,052	18	128	11	156	7			
WIST7016	7,468	136	1,084	77	1,148	50	9	2	
WIST7017	2,895	43	343	15	393	7	1		
WIST7018	1,021	22	150	25	183	15	4		
WIST7020	1,093	22	145	7	125	4			
WIST7021	1,303	21	120	10	106				
WIST7022	3,033	52	430	22	450	20	4	1	

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Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST7023	2,883	56	250	17	241	13	1	2	
WIST7024	1,373	29	148	10	152	9	1		
WIST7025	944	22	127	5	133	9	1	1	
WIST7027	849	19	57	7	42	5	1		
WIST7030	6,925	173	768	72	747	44	2	2	
WIST7031	1,308	22	212	18	234	8	1		
WIST7032	2,368	56	168	14	168	5	3	2	1
WIST7033	5,124	82	453	30	416	19	4	2	
WIST7036	5,166	101	473	32	453	15	3	3	
WIST7039	1,528	18	210	16	183	12	3	1	
WIST7040	3,216	55	458	33	418	31	5		2
WIST7041	4,187	83	448	44	570	21	8	1	2
WIST7042	7,764	138	975	66	1,020	42	10		3
WIST7044	3,843	80	448	43	512	25	5	1	1
WIST7045	5,700	99	792	47	761	43	12	2	
WIST7046	2,704	56	165	13	137	5	1		
WIST7049	2,582	44	395	29	364	20	8	3	1
WIST7052	7,521	167	1,065	73	1,088	62	8	2	
WIST7053	2,047	33	233	20	226	13			
WIST7054	1,163	15	128	5	135	9			1
WIST7055	4,869	98	507	41	491	16	6	3	1
WIST7056	4,121	84	443	43	448	29	2		1
WIST7061	1,250	28	142	14	144	7	1	1	1
WIST7062	3,119	59	341	35	333	32	1	5	4
WIST7064	3,852	83	590	51	786	29	3		
WIST7065	5,366	103	467	35	410	31	6	3	
WIST7067	1,451	23	189	12	217	11		1	
WIST7068	2,989	63	404	25	416	23	5	1	
WIST7069	6,787	131	895	70	963	48	13	5	1
WIST7070	1,934	49	273	20	273	14	3	2	
WIST7071	4,337	84	520	31	520	27	5		1
WIST7072	3,618	71	486	40	451	25	2	1	
WIST7073	3,791	81	422	38	403	20	5	1	1

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Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST7074	11,791	226	641	42	443	18	3	5	
WIST7075	2,823	51	318	29	372	7	2	2	1
WIST7076	6,947	131	894	70	1,066	40	9	3	
WIST7078	3,039	63	416	26	503	35	6	5	
WIST7079	2,002	42	166	19	132	11	3		1
WIST7080	4,100	82	541	45	498	34	4	6	1
WIST7081	4,894	89	459	45	427	27	14	1	
WIST7083	9,483	202	1,197	102	1,244	67	14	4	1
WIST7086	931	25	127	16	160	10	2	1	4
WIST7088	763	16	93	17	83	1	1		
WIST7090	520	7	60	2	54	1			1
WIST7092	1,795	31	267	15	273	9	2		
WIST7093	3,593	65	445	29	463	26	5		1
WIST7094	4,045	48	595	38	628	23	6		
WIST7095	1,443	23	188	12	196	11	2	1	5
WIST7098	3,251	63	383	39	453	17		1	
WIST7103	3,294	52	380	32	372	17	2		
WIST7106	4,420	99	712	43	691	48	14	4	1
WIST7108	7,807	142	829	61	822	34	8	2	1
WIST7109	4,810	102	573	45	542	31	6	1	
WIST7113	3,404	71	422	33	469	28	2	2	
WIST7115	236	3	39		27	1			
WIST7116	6,327	141	921	85	922	52	4	5	
WIST7117	4,742	83	470	36	464	13	9		
WIST7118	2,663	63	274	19	339	12	1	1	
WIST7119	2,967	57	448	43	457	23	4	2	2
WIST7120	1,167	23	86	9	76	4	3		2
WIST7121	2,237	40	390	28	462	28	5	4	1
WIST7123	3,188	77	465	38	563	19	4	1	
WIST7124	2,737	57	397	29	389	23	1	3	2
WIST7125	1,853	50	137	27	103	4	4	1	1
WIST7126	996	24	110	15	133	7	4	1	2
WIST7127	4,330	105	607	65	677	30	7	5	2

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Initial Test Volume by Model Year and Test Station

Station ID	Total Tests	2010	2011	2012	2013	2014	2015	2016	2017
WIST7128	361	8	60	6	99	7	1		
WIST7129	221	4	21		18	7		1	
WIST8001	1,457	36	206	10	216	18	3	1	1
WIST8002	5,603	126	775	74	862	36	5	6	
WIST8003	21	3	1	5					
WIST8004	9,653	187	468	55	271	21	10	1	
WIST8005	4,582	111	499	54	415	24	10	5	
WIST8006	12,105	302	1,520	147	1,388	67	21	8	1
WIST8007	5,543	119	693	51	602	26	7		
WIST8008	3,008	54	215	19	167	13	4		
WIST8009	2,180	43	294	26	339	19	1	1	
WIST8010	609	9	56	3	75	1			
WIST8011	4,825	94	616	40	618	33	8		1
WISTT001	3,083	56	415	38	440	24	3	1	
WISTT002	1,489	13	123	4	104	4	1		
WISTT003	4,839	102	388	42	393	25	2	3	2
WISTT005	3,094	59	435	30	433	21	2	5	1
WISTT006	2,678	56	288	22	278	19	1	1	
ALL	634,669	12,967	73,248	6,168	74,754	3,851	830	315	138

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Initial Test Failure by MY and Station

Station ID	All Initial Tests			1996			1997			1998			1999			2000		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST1002	140	7.1%	1,967	2	14.3%	14	13	14.6%	89	10	29.4%	34	10	8.1%	124	5	8.6%	58
WIST1003	43	3.6%	1,199	-	0.0%	7	2	4.9%	41	1	10.0%	10	-	0.0%	51	2	10.5%	19
WIST1012	29	3.3%	886	-	0.0%	7	1	2.9%	34	1	12.5%	8	6	14.0%	43	2	13.3%	15
WIST1013	40	2.9%	1,359	2	25.0%	8	2	7.7%	26	-	0.0%	8	3	4.2%	71	-	0.0%	17
WIST1014	54	5.6%	971	1	10.0%	10	5	14.7%	34	1	6.7%	15	7	10.9%	64	2	6.7%	30
WIST1015	243	3.2%	7,588	4	17.4%	23	8	6.0%	134	2	4.9%	41	20	6.5%	310	8	8.9%	90
WIST1016	18	4.5%	399	-	0.0%	4	-	0.0%	7	3	33.3%	9	1	3.6%	28	2	22.2%	9
WIST1017	378	8.3%	4,561	5	14.7%	34	15	16.3%	92	14	19.2%	73	33	13.7%	241	24	22.0%	109
WIST1018	17	4.5%	378	-	0.0%	6	1	7.1%	14	1	33.3%	3	-	0.0%	12	2	20.0%	10
WIST2001	44	4.0%	1,101	-	0.0%	15	6	17.6%	34	2	14.3%	14	2	3.6%	55	4	20.0%	20
WIST2003	47	3.7%	1,266	1	16.7%	6	5	12.8%	39	-	0.0%	8	6	9.1%	66	-	0.0%	16
WIST2014	132	10.5%	1,256	5	21.7%	23	10	19.2%	52	4	17.4%	23	10	13.0%	77	14	23.3%	60
WIST2015	95	3.2%	2,985	1	3.6%	28	1	1.7%	58	7	30.4%	23	6	5.9%	101	7	14.3%	49
WIST2017	65	3.2%	2,017	-	0.0%	9	3	7.0%	43	1	12.5%	8	2	3.7%	54	3	25.0%	12
WIST2018	195	4.0%	4,834	5	11.1%	45	8	7.1%	112	6	15.8%	38	15	6.9%	218	8	9.8%	82
WIST2019	41	5.0%	813	-	0.0%	3	4	11.8%	34	2	33.3%	6	3	6.7%	45	2	12.5%	16
WIST2020	245	3.5%	6,970	5	16.1%	31	8	4.6%	174	2	5.4%	37	22	8.5%	259	9	11.7%	77
WIST2021	60	4.8%	1,239	-	0.0%	4	2	6.5%	31	4	28.6%	14	5	8.8%	57	2	8.7%	23
WIST2023	29	3.9%	738	-	0.0%	3	1	3.7%	27	-	0.0%	5	4	8.9%	45	-	0.0%	11
WIST2024	107	5.0%	2,144	1	8.3%	12	4	8.5%	47	2	18.2%	11	6	7.9%	76	5	12.5%	40
WIST2025	59	3.9%	1,527	-	0.0%	6	5	13.2%	38	1	6.3%	16	4	6.8%	59	1	5.3%	19
WIST2026	128	3.2%	3,984	3	16.7%	18	4	5.6%	72	4	13.8%	29	8	5.3%	152	6	12.2%	49
WIST3003	70	4.8%	1,464	1	8.3%	12	3	7.0%	43	1	7.7%	13	6	7.9%	76	1	3.6%	28
WIST3005	88	2.8%	3,113	3	30.0%	10	7	9.2%	76	-	0.0%	26	3	2.4%	125	4	8.7%	46
WIST3006	72	4.2%	1,733	1	7.7%	13	4	6.9%	58	1	6.3%	16	18	15.1%	119	2	6.7%	30
WIST3013	271	7.1%	3,825	5	14.3%	35	6	6.6%	91	12	26.7%	45	20	13.3%	150	21	21.0%	100
WIST3014	135	8.0%	1,694	2	15.4%	13	6	9.8%	61	3	14.3%	21	9	9.6%	94	8	19.0%	42
WIST3016	350	7.3%	4,781	10	16.1%	62	29	13.8%	210	14	18.9%	74	39	12.1%	322	18	13.4%	134
WIST3018	178	11.2%	1,583	8	40.0%	20	9	15.3%	59	12	30.8%	39	17	16.7%	102	12	20.0%	60
WIST3021	38	3.3%	1,157	-	0.0%	5	4	12.1%	33	2	20.0%	10	5	8.9%	56	-	0.0%	11
WIST3022	1	0.7%	153	-	0.0%	1	-	0.0%	1	-	0.0%	2	-	0.0%	2	-	0.0%	6
WIST3023	27	2.2%	1,204	1	8.3%	12	2	8.3%	24	-	0.0%	4	2	7.4%	27	-	0.0%	15
WIST3024	64	5.5%	1,173	-	0.0%	12	6	21.4%	28	1	6.7%	15	2	3.6%	56	5	17.2%	29
WIST3025	19	5.4%	354	-	0.0%	1	1	16.7%	6	-	0.0%	2	2	7.1%	28	-	0.0%	17
WIST3028	2	5.7%	35	-	#DIV/0!	-	-	0.0%	2	-	#DIV/0!	-	-	0.0%	1	-	#DIV/0!	-
WIST4002	45	4.3%	1,038	-	0.0%	8	1	3.4%	29	-	0.0%	8	5	10.6%	47	1	14.3%	7
WIST4003	150	4.1%	3,629	1	6.3%	16	8	7.8%	102	5	15.6%	32	15	8.3%	180	8	19.5%	41
WIST4004	132	4.0%	3,318	1	5.3%	19	8	8.7%	92	-	0.0%	17	10	5.9%	169	3	9.1%	33
WIST4006	206	3.2%	6,527	1	3.7%	27	13	8.4%	154	3	10.3%	29	12	4.5%	266	6	8.0%	75

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Initial Test Failure by MY and Station

Station ID	All Initial Tests			1996			1997			1998			1999			2000		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST4009	81	4.0%	2,020	1	14.3%	7	6	12.5%	48	1	7.1%	14	5	5.8%	86	2	5.9%	34
WIST4014	31	3.9%	800	-	0.0%	6	1	3.1%	32	-	0.0%	6	6	9.4%	64	-	0.0%	4
WIST4017	143	3.8%	3,744	4	17.4%	23	3	3.2%	94	2	13.3%	15	17	12.1%	141	7	15.9%	44
WIST4019	83	5.3%	1,554	-	0.0%	8	4	6.6%	61	1	4.2%	24	12	10.6%	113	7	24.1%	29
WIST4026	69	2.8%	2,476	-	0.0%	14	1	3.4%	29	1	12.5%	8	8	9.5%	84	1	4.2%	24
WIST4031	199	6.1%	3,264	5	20.0%	25	17	12.2%	139	5	10.2%	49	26	10.8%	240	8	8.1%	99
WIST4032	801	13.8%	5,817	23	27.4%	84	48	18.3%	262	36	22.4%	161	79	17.3%	457	60	20.6%	291
WIST4039	29	2.9%	996	-	0.0%	4	3	12.5%	24	1	14.3%	7	1	2.4%	41	-	0.0%	10
WIST4040	31	1.5%	2,130	-	0.0%	6	1	1.6%	63	-	0.0%	14	3	3.1%	96	3	12.5%	24
WIST4042	263	5.9%	4,440	2	5.7%	35	17	11.6%	147	6	7.6%	79	27	10.2%	265	14	12.4%	113
WIST4043	738	6.3%	11,639	18	12.7%	142	55	11.5%	477	18	9.7%	185	73	10.6%	688	43	12.4%	346
WIST4044	708	9.3%	7,619	21	22.6%	93	36	13.4%	268	24	16.1%	149	70	16.1%	434	47	16.7%	281
WIST4045	115	4.8%	2,412	1	7.1%	14	7	12.3%	57	1	4.8%	21	12	8.8%	136	8	21.1%	38
WIST4048	143	5.3%	2,673	5	38.5%	13	14	16.9%	83	3	13.6%	22	14	14.7%	95	4	8.5%	47
WIST4049	47	5.0%	940	-	0.0%	2	2	9.5%	21	-	0.0%	7	4	9.3%	43	5	35.7%	14
WIST4050	53	2.4%	2,254	-	0.0%	5	1	2.7%	37	-	0.0%	14	3	4.2%	71	3	20.0%	15
WIST4051	124	5.0%	2,457	-	0.0%	22	12	11.3%	106	3	9.4%	32	15	9.8%	153	4	10.5%	38
WIST4052	5	11.1%	45	-	0.0%	2	1	25.0%	4	1	33.3%	3	-	0.0%	3	-	0.0%	3
WIST4053	11	7.4%	148	-	0.0%	2	1	10.0%	10	2	50.0%	4	2	25.0%	8	-	0.0%	1
WIST4054	93	4.6%	2,024	1	3.8%	26	9	13.8%	65	2	10.5%	19	11	11.3%	97	5	11.6%	43
WIST4055	46	5.6%	827	1	11.1%	9	3	8.8%	34	1	16.7%	6	5	8.8%	57	1	12.5%	8
WIST5003	169	7.5%	2,249	4	16.7%	24	13	18.8%	69	5	20.0%	25	12	8.8%	136	5	10.4%	48
WIST5004	92	3.6%	2,551	1	9.1%	11	4	6.6%	61	1	11.1%	9	6	6.0%	100	3	10.0%	30
WIST5005	74	4.4%	1,691	1	6.7%	15	5	6.3%	80	3	30.0%	10	10	7.5%	133	2	7.1%	28
WIST5007	13	3.3%	399	-	#DIV/0!	-	-	0.0%	8	-	0.0%	1	1	3.0%	33	-	0.0%	5
WIST5008	329	4.4%	7,528	7	14.3%	49	23	9.1%	252	6	8.8%	68	44	10.5%	421	6	5.5%	110
WIST5009	34	2.6%	1,287	-	0.0%	6	1	7.7%	13	1	25.0%	4	1	5.9%	17	-	0.0%	10
WIST5011	61	2.1%	2,884	-	0.0%	7	1	2.2%	45	1	12.5%	8	2	2.3%	87	-	0.0%	19
WIST5012	73	2.7%	2,699	-	0.0%	9	3	3.6%	83	-	0.0%	9	6	5.0%	121	4	9.1%	44
WIST5014	273	4.1%	6,691	8	22.2%	36	16	9.7%	165	4	8.5%	47	24	8.0%	299	3	3.9%	76
WIST5015	233	8.6%	2,718	6	15.0%	40	18	13.4%	134	12	20.0%	60	27	12.2%	221	15	16.7%	90
WIST5017	88	5.1%	1,713	3	21.4%	14	3	5.2%	58	4	14.8%	27	11	10.5%	105	8	20.0%	40
WIST5021	52	4.9%	1,067	-	0.0%	7	2	6.5%	31	-	0.0%	7	7	17.1%	41	2	10.5%	19
WIST5023	20	3.2%	628	1	20.0%	5	-	0.0%	14	-	0.0%	4	1	2.9%	34	1	12.5%	8
WIST5028	9	2.3%	389	1	33.3%	3	-	0.0%	9	1	100.0%	1	1	6.7%	15	-	0.0%	5
WIST5029	309	4.3%	7,130	4	8.3%	48	18	9.4%	192	9	13.6%	66	18	6.7%	270	11	10.9%	101
WIST5036	20	4.7%	422	2	28.6%	7	1	9.1%	11	-	0.0%	7	2	10.0%	20	1	9.1%	11
WIST5037	69	4.0%	1,738	1	6.3%	16	5	9.4%	53	4	25.0%	16	6	8.1%	74	2	7.7%	26
WIST5040	31	2.5%	1,258	-	0.0%	13	2	4.3%	47	-	0.0%	20	4	5.6%	72	3	17.6%	17

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	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST5041	37	2.2%	1,651	-	0.0%	4	-	0.0%	33	1	7.7%	13	3	4.2%	71	-	0.0%	16
WIST5044	31	3.7%	846	-	0.0%	4	2	22.2%	9	-	0.0%	4	3	11.1%	27	1	12.5%	8
WIST5045	19	3.7%	515	-	0.0%	4	-	0.0%	15	1	25.0%	4	3	9.1%	33	-	0.0%	6
WIST5047	8	2.7%	294	-	0.0%	5	-	0.0%	10	-	0.0%	2	-	0.0%	13	-	0.0%	4
WIST5049	101	3.3%	3,043	1	10.0%	10	6	7.3%	82	1	5.0%	20	8	5.5%	145	4	12.5%	32
WIST5053	37	3.6%	1,033	-	0.0%	9	2	3.2%	62	-	0.0%	17	5	6.7%	75	5	16.1%	31
WIST5055	433	6.9%	6,305	3	7.1%	42	18	9.5%	189	11	13.6%	81	42	13.8%	305	20	15.3%	131
WIST5056	16	11.4%	140	-	0.0%	1	1	20.0%	5	-	#DIV/0!	-	2	25.0%	8	1	33.3%	3
WIST5058	71	5.5%	1,298	-	0.0%	8	3	5.2%	58	3	13.6%	22	6	6.9%	87	-	0.0%	30
WIST5061	81	3.3%	2,490	1	4.8%	21	4	4.7%	85	1	4.0%	25	9	6.6%	137	4	8.0%	50
WIST5066	203	6.2%	3,299	4	19.0%	21	18	15.9%	113	6	14.0%	43	21	9.4%	223	9	17.6%	51
WIST5069	676	10.6%	6,355	19	19.4%	98	40	18.8%	213	22	15.9%	138	70	15.5%	452	62	21.0%	295
WIST5070	13	8.4%	155	1	25.0%	4	1	33.3%	3	-	0.0%	2	-	0.0%	2	1	50.0%	2
WIST5071	424	6.0%	7,060	8	11.9%	67	24	13.1%	183	14	14.1%	99	45	13.0%	345	29	19.2%	151
WIST5074	278	5.8%	4,797	3	11.1%	27	10	7.2%	138	7	9.9%	71	24	10.5%	229	12	13.0%	92
WIST5075	62	10.5%	591	1	25.0%	4	4	20.0%	20	1	9.1%	11	6	15.4%	39	3	13.6%	22
WIST5076	106	4.8%	2,214	3	9.7%	31	8	9.1%	88	2	5.9%	34	11	8.7%	127	5	9.4%	53
WIST5077	26	2.8%	922	-	0.0%	7	2	10.5%	19	1	50.0%	2	3	8.6%	35	-	0.0%	7
WIST6001	691	8.0%	8,641	10	11.9%	84	52	12.9%	404	22	14.5%	152	74	11.0%	672	39	15.4%	253
WIST6004	161	3.1%	5,185	2	10.5%	19	6	5.7%	105	2	8.3%	24	8	3.7%	218	3	6.0%	50
WIST6007	39	4.1%	958	-	0.0%	5	-	0.0%	39	1	7.1%	14	2	2.9%	69	1	4.3%	23
WIST6012	50	5.4%	934	-	0.0%	5	2	10.5%	19	1	12.5%	8	5	8.9%	56	3	21.4%	14
WIST6013	76	3.1%	2,462	1	12.5%	8	6	10.7%	56	4	20.0%	20	10	11.4%	88	1	4.3%	23
WIST6014	55	4.6%	1,200	1	6.7%	15	6	14.0%	43	3	27.3%	11	7	9.7%	72	2	9.1%	22
WIST6016	148	5.9%	2,492	3	20.0%	15	8	8.5%	94	3	10.7%	28	19	12.6%	151	6	12.8%	47
WIST6018	370	7.2%	5,111	4	8.5%	47	27	12.9%	210	3	4.3%	69	31	8.7%	358	10	7.6%	132
WIST6021	51	3.4%	1,485	-	0.0%	6	4	14.3%	28	2	20.0%	10	3	5.5%	55	1	6.3%	16
WIST6022	43	2.8%	1,554	-	0.0%	5	4	14.8%	27	1	10.0%	10	3	5.8%	52	2	8.7%	23
WIST6026	29	2.9%	995	1	20.0%	5	2	8.0%	25	1	14.3%	7	3	7.1%	42	1	12.5%	8
WIST6030	57	2.5%	2,269	1	8.3%	12	1	1.9%	54	-	0.0%	12	5	6.1%	82	-	0.0%	15
WIST6031	43	4.3%	996	-	0.0%	8	1	5.9%	17	-	0.0%	11	3	8.1%	37	1	11.1%	9
WIST6033	32	3.4%	943	-	0.0%	3	2	20.0%	10	2	40.0%	5	3	8.6%	35	-	0.0%	11
WIST6034	37	2.7%	1,359	1	7.7%	13	3	10.0%	30	1	16.7%	6	2	3.8%	52	1	9.1%	11
WIST6035	117	6.9%	1,707	4	22.2%	18	6	10.7%	56	7	33.3%	21	14	13.5%	104	4	8.5%	47
WIST6036	13	1.7%	775	-	0.0%	10	-	0.0%	20	1	12.5%	8	-	0.0%	36	-	0.0%	8
WIST6037	345	8.6%	3,993	6	11.5%	52	28	15.7%	178	21	23.3%	90	34	11.7%	290	18	13.6%	132
WIST6038	39	4.4%	883	-	0.0%	10	4	12.5%	32	1	12.5%	8	2	4.3%	46	5	20.0%	25
WIST6039	44	3.2%	1,359	1	14.3%	7	2	10.5%	19	3	27.3%	11	4	11.4%	35	1	10.0%	10
WIST6040	306	7.8%	3,906	10	20.8%	48	18	10.4%	173	16	21.3%	75	28	10.8%	259	13	10.5%	124

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WIST6041	109	3.3%	3,342	2	9.1%	22	8	14.8%	54	3	11.1%	27	8	7.0%	114	5	14.7%	34
WIST7003	500	5.9%	8,460	11	15.9%	69	25	8.5%	295	11	10.0%	110	41	8.2%	499	20	11.7%	171
WIST7004	281	6.4%	4,387	3	8.1%	37	26	15.4%	169	6	10.5%	57	38	12.7%	299	7	6.1%	114
WIST7006	39	3.7%	1,048	-	0.0%	5	1	3.8%	26	-	0.0%	8	1	2.4%	42	2	16.7%	12
WIST7007	54	4.8%	1,128	-	0.0%	9	3	8.8%	34	1	9.1%	11	4	8.3%	48	3	15.0%	20
WIST7009	138	4.2%	3,259	2	8.0%	25	5	6.0%	83	6	17.1%	35	11	7.5%	147	5	7.2%	69
WIST7011	243	5.5%	4,430	9	20.9%	43	20	12.5%	160	6	14.3%	42	27	11.3%	238	10	10.4%	96
WIST7014	239	4.3%	5,623	4	12.9%	31	12	8.2%	147	4	10.8%	37	26	8.9%	293	8	8.8%	91
WIST7015	49	4.7%	1,052	-	0.0%	4	1	4.8%	21	1	10.0%	10	2	4.9%	41	1	5.9%	17
WIST7016	242	3.2%	7,468	-	0.0%	22	7	4.5%	154	3	6.7%	45	19	6.8%	278	12	16.4%	73
WIST7017	153	5.3%	2,895	2	14.3%	14	13	15.7%	83	9	28.1%	32	19	12.1%	157	5	10.6%	47
WIST7018	22	2.2%	1,021	-	0.0%	7	-	0.0%	19	2	25.0%	8	1	2.7%	37	-	0.0%	11
WIST7020	53	4.8%	1,093	-	0.0%	7	2	5.6%	36	2	14.3%	14	3	5.4%	56	2	8.7%	23
WIST7021	83	6.4%	1,303	2	15.4%	13	5	10.6%	47	7	25.0%	28	7	8.0%	88	3	10.3%	29
WIST7022	75	2.5%	3,033	-	0.0%	6	3	4.1%	74	1	5.0%	20	8	6.5%	123	2	6.9%	29
WIST7023	166	5.8%	2,883	-	0.0%	11	10	7.9%	126	6	14.3%	42	21	10.5%	200	10	15.9%	63
WIST7024	82	6.0%	1,373	1	11.1%	9	1	2.3%	43	5	26.3%	19	8	13.8%	58	4	11.8%	34
WIST7025	28	3.0%	944	1	14.3%	7	2	8.7%	23	-	0.0%	4	1	2.6%	39	1	5.6%	18
WIST7027	118	13.9%	849	4	36.4%	11	5	11.4%	44	8	42.1%	19	17	23.0%	74	12	35.3%	34
WIST7030	381	5.5%	6,925	13	18.8%	69	19	9.4%	202	5	7.1%	70	43	11.0%	392	12	9.8%	122
WIST7031	35	2.7%	1,308	-	0.0%	4	3	20.0%	15	-	#DIV/0!	-	-	0.0%	50	-	0.0%	11
WIST7032	271	11.4%	2,368	7	21.2%	33	18	17.8%	101	7	11.9%	59	26	15.3%	170	22	20.0%	110
WIST7033	371	7.2%	5,124	11	22.4%	49	25	11.7%	214	12	14.1%	85	42	10.8%	388	21	14.5%	145
WIST7036	363	7.0%	5,166	8	15.1%	53	22	10.6%	208	10	11.0%	91	38	10.6%	357	22	15.9%	138
WIST7039	33	2.2%	1,528	-	0.0%	7	1	3.6%	28	-	0.0%	8	5	5.3%	94	-	0.0%	17
WIST7040	77	2.4%	3,216	1	4.8%	21	7	7.4%	94	1	6.7%	15	3	2.0%	148	1	4.0%	25
WIST7041	181	4.3%	4,187	2	9.5%	21	5	5.4%	93	2	6.3%	32	17	8.6%	198	8	13.3%	60
WIST7042	267	3.4%	7,764	1	2.6%	39	13	6.5%	199	6	9.2%	65	22	6.0%	364	10	10.6%	94
WIST7044	109	2.8%	3,843	2	9.1%	22	5	4.1%	123	3	6.8%	44	4	2.3%	175	7	12.5%	56
WIST7045	230	4.0%	5,700	3	11.5%	26	3	2.2%	134	6	15.4%	39	24	9.7%	248	7	8.3%	84
WIST7046	265	9.8%	2,704	8	20.0%	40	27	22.0%	123	12	16.9%	71	34	15.8%	215	21	17.6%	119
WIST7049	69	2.7%	2,582	2	12.5%	16	3	5.9%	51	2	10.5%	19	6	5.7%	105	1	3.8%	26
WIST7052	272	3.6%	7,521	-	0.0%	28	16	8.2%	195	3	5.2%	58	28	8.8%	317	10	11.0%	91
WIST7053	95	4.6%	2,047	-	0.0%	19	7	12.1%	58	2	11.1%	18	12	9.8%	122	4	10.5%	38
WIST7054	28	2.4%	1,163	1	16.7%	6	3	9.7%	31	1	10.0%	10	4	4.8%	83	1	6.7%	15
WIST7055	208	4.3%	4,869	1	2.9%	35	14	7.8%	179	7	13.0%	54	23	7.5%	308	9	10.2%	88
WIST7056	132	3.2%	4,121	3	10.3%	29	7	5.6%	126	3	7.3%	41	18	8.1%	222	2	3.0%	66
WIST7061	57	4.6%	1,250	-	0.0%	5	6	12.8%	47	1	7.1%	14	4	4.6%	87	-	0.0%	14
WIST7062	104	3.3%	3,119	1	5.9%	17	7	7.1%	98	1	4.8%	21	5	3.2%	155	8	18.6%	43

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	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7064	90	2.3%	3,852	-	0.0%	9	-	0.0%	52	1	5.6%	18	2	1.8%	109	4	14.8%	27
WIST7065	300	5.6%	5,366	6	11.1%	54	18	8.7%	208	11	18.3%	60	39	10.3%	378	12	9.6%	125
WIST7067	50	3.4%	1,451	1	16.7%	6	1	2.5%	40	1	11.1%	9	8	11.8%	68	3	15.8%	19
WIST7068	100	3.3%	2,989	1	7.1%	14	3	4.3%	69	1	5.6%	18	11	8.1%	135	-	0.0%	34
WIST7069	255	3.8%	6,787	-	0.0%	36	11	7.7%	142	6	14.0%	43	30	10.6%	282	8	9.3%	86
WIST7070	44	2.3%	1,934	-	0.0%	6	2	5.4%	37	-	0.0%	14	3	3.6%	83	-	0.0%	25
WIST7071	188	4.3%	4,337	5	16.7%	30	12	9.2%	131	1	2.6%	39	24	10.3%	233	3	5.4%	56
WIST7072	165	4.6%	3,618	3	15.8%	19	9	9.7%	93	7	25.0%	28	18	11.9%	151	6	12.8%	47
WIST7073	234	6.2%	3,791	4	13.8%	29	13	10.7%	121	4	9.1%	44	25	13.1%	191	12	14.3%	84
WIST7074	858	7.3%	11,791	24	13.8%	174	73	11.6%	631	38	14.8%	257	103	11.0%	940	52	12.2%	427
WIST7075	81	2.9%	2,823	1	12.5%	8	1	1.1%	93	-	0.0%	25	7	4.5%	157	2	4.5%	44
WIST7076	218	3.1%	6,947	1	4.8%	21	11	6.7%	163	7	12.1%	58	23	7.7%	297	6	7.8%	77
WIST7078	51	1.7%	3,039	-	0.0%	11	4	5.2%	77	-	0.0%	17	3	2.3%	128	2	5.4%	37
WIST7079	196	9.8%	2,002	4	21.1%	19	11	13.3%	83	8	26.7%	30	23	16.3%	141	14	24.1%	58
WIST7080	137	3.3%	4,100	-	0.0%	27	9	7.9%	114	2	6.1%	33	10	4.9%	203	6	10.2%	59
WIST7081	348	7.1%	4,894	2	6.1%	33	21	13.5%	156	13	21.0%	62	31	9.9%	313	19	16.5%	115
WIST7083	350	3.7%	9,483	3	6.4%	47	13	5.5%	236	12	14.0%	86	35	7.8%	447	15	10.8%	139
WIST7086	25	2.7%	931	-	0.0%	10	-	0.0%	12	-	0.0%	7	4	13.8%	29	-	0.0%	7
WIST7088	49	6.4%	763	2	33.3%	6	3	12.5%	24	1	9.1%	11	8	19.5%	41	5	23.8%	21
WIST7090	28	5.4%	520	-	#DIV/0!	-	4	25.0%	16	1	50.0%	2	2	7.7%	26	3	33.3%	9
WIST7092	68	3.8%	1,795	2	25.0%	8	3	13.0%	23	1	11.1%	9	5	6.7%	75	1	3.1%	32
WIST7093	118	3.3%	3,593	-	0.0%	10	6	6.3%	95	-	0.0%	18	11	7.3%	151	4	10.3%	39
WIST7094	135	3.3%	4,045	-	0.0%	12	6	8.3%	72	2	8.7%	23	11	6.1%	180	5	10.4%	48
WIST7095	52	3.6%	1,443	-	0.0%	10	3	10.7%	28	-	0.0%	6	3	4.4%	68	2	10.5%	19
WIST7098	163	5.0%	3,251	-	0.0%	7	6	8.6%	70	6	33.3%	18	10	7.1%	141	11	26.8%	41
WIST7103	134	4.1%	3,294	1	4.5%	22	13	11.5%	113	1	5.0%	20	17	9.6%	177	1	2.5%	40
WIST7106	80	1.8%	4,420	1	4.5%	22	1	1.4%	69	1	9.1%	11	4	3.6%	112	1	3.1%	32
WIST7108	349	4.5%	7,807	13	16.7%	78	23	8.1%	283	7	8.9%	79	39	7.8%	498	9	6.0%	150
WIST7109	248	5.2%	4,810	4	12.9%	31	12	9.3%	129	5	8.8%	57	26	10.5%	248	11	12.0%	92
WIST7113	150	4.4%	3,404	2	7.1%	28	6	7.4%	81	6	17.1%	35	12	8.8%	137	4	7.0%	57
WIST7115	5	2.1%	236	-	0.0%	1	-	0.0%	3	-	0.0%	1	-	0.0%	13	1	33.3%	3
WIST7116	169	2.7%	6,327	2	6.1%	33	8	6.9%	116	1	2.9%	34	13	5.2%	252	3	5.6%	54
WIST7117	247	5.2%	4,742	-	0.0%	50	23	14.1%	163	3	4.9%	61	37	12.2%	303	12	12.1%	99
WIST7118	136	5.1%	2,663	1	6.7%	15	9	11.5%	78	4	12.9%	31	11	7.5%	147	2	5.7%	35
WIST7119	97	3.3%	2,967	-	0.0%	13	4	9.1%	44	2	10.5%	19	9	7.9%	114	2	6.5%	31
WIST7120	135	11.6%	1,167	5	29.4%	17	9	16.4%	55	5	16.7%	30	15	17.4%	86	11	23.9%	46
WIST7121	48	2.1%	2,237	-	0.0%	8	5	13.2%	38	-	0.0%	9	4	6.8%	59	-	0.0%	20
WIST7123	106	3.3%	3,188	2	13.3%	15	7	9.7%	72	4	15.4%	26	10	8.1%	124	2	4.7%	43
WIST7124	117	4.3%	2,737	2	15.4%	13	1	2.6%	38	4	25.0%	16	6	8.1%	74	5	17.9%	28

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Station ID	All Initial Tests			1996			1997			1998			1999			2000		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7125	205	11.1%	1,853	3	14.3%	21	7	11.3%	62	13	26.0%	50	25	20.3%	123	16	18.8%	85
WIST7126	67	6.7%	996	2	25.0%	8	8	25.0%	32	4	30.8%	13	3	9.1%	33	2	9.5%	21
WIST7127	155	3.6%	4,330	2	11.8%	17	5	6.2%	81	6	16.2%	37	8	4.7%	172	8	16.7%	48
WIST7128	12	3.3%	361	-	0.0%	4	-	0.0%	3	-	0.0%	2	-	0.0%	3	-	0.0%	4
WIST7129	6	2.7%	221	-	#DIV/0!	-	1	11.1%	9	-	#DIV/0!	-	-	0.0%	19	1	33.3%	3
WIST8001	70	4.8%	1,457	-	0.0%	5	2	4.7%	43	1	10.0%	10	6	11.5%	52	3	17.6%	17
WIST8002	192	3.4%	5,603	1	4.8%	21	12	12.8%	94	6	16.2%	37	13	6.4%	202	6	9.2%	65
WIST8003	7	33.3%	21	2	50.0%	4	-	#DIV/0!	-	-	#DIV/0!	-	1	100.0%	1	-	0.0%	2
WIST8004	1,027	10.6%	9,653	20	12.4%	161	79	14.8%	532	51	19.0%	269	136	15.8%	863	71	16.3%	436
WIST8005	358	7.8%	4,582	7	16.7%	42	12	9.8%	123	9	17.3%	52	31	13.2%	235	19	14.6%	130
WIST8006	791	6.5%	12,105	10	14.5%	69	33	12.9%	255	23	17.8%	129	73	13.6%	535	48	22.0%	218
WIST8007	269	4.9%	5,543	3	5.2%	58	9	5.4%	167	8	13.1%	61	39	15.0%	260	13	13.5%	96
WIST8008	320	10.6%	3,008	9	20.5%	44	28	17.9%	156	16	19.5%	82	31	14.2%	219	21	15.7%	134
WIST8009	87	4.0%	2,180	-	0.0%	7	5	12.5%	40	1	9.1%	11	9	10.0%	90	2	12.5%	16
WIST8010	26	4.3%	609	-	0.0%	4	5	20.0%	25	-	0.0%	7	5	14.7%	34	2	16.7%	12
WIST8011	220	4.6%	4,825	4	14.3%	28	13	9.8%	132	8	15.4%	52	22	9.1%	242	6	8.1%	74
WISTT001	92	3.0%	3,083	2	14.3%	14	11	12.0%	92	1	3.8%	26	11	6.5%	169	7	31.8%	22
WISTT002	139	9.3%	1,489	4	22.2%	18	9	11.1%	81	6	18.8%	32	14	13.2%	106	12	26.1%	46
WISTT003	489	10.1%	4,839	14	26.4%	53	23	11.9%	194	22	23.7%	93	60	19.9%	302	19	17.4%	109
WISTT005	132	4.3%	3,094	-	0.0%	10	4	5.1%	79	3	12.5%	24	6	4.4%	137	5	13.5%	37
WISTT006	115	4.3%	2,678	-	0.0%	14	5	5.5%	91	4	12.5%	32	9	6.4%	140	4	8.3%	48
Total	32,512	5.1%	634,669	559	12.0%	4,641	1,892	10.0%	18,967	960	13.8%	6,967	3,209	9.7%	33,038	1,555	12.9%	12,060

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Station ID	All Initial Tests			2001			2002			2003			2004			2005		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST1002	140	7.1%	1,967	27	13.6%	198	5	9.6%	52	25	9.6%	261	6	10.3%	58	16	6.9%	231
WIST1003	43	3.6%	1,199	5	5.6%	89	4	19.0%	21	2	1.8%	112	3	15.0%	20	5	3.1%	159
WIST1012	29	3.3%	886	5	7.1%	70	1	4.0%	25	4	4.6%	87	2	9.5%	21	1	1.0%	99
WIST1013	40	2.9%	1,359	3	3.8%	80	2	10.0%	20	12	8.8%	137	1	5.3%	19	5	2.7%	182
WIST1014	54	5.6%	971	7	8.3%	84	6	18.2%	33	8	7.5%	107	2	8.3%	24	6	4.7%	128
WIST1015	243	3.2%	7,588	37	8.6%	428	13	10.2%	128	27	3.7%	721	13	9.3%	140	39	4.1%	952
WIST1016	18	4.5%	399	1	4.3%	23	2	13.3%	15	1	2.2%	45	2	15.4%	13	3	6.3%	48
WIST1017	378	8.3%	4,561	44	16.2%	272	36	22.1%	163	53	12.6%	422	24	15.8%	152	33	7.7%	430
WIST1018	17	4.5%	378	6	23.1%	26	-	0.0%	6	2	5.0%	40	1	9.1%	11	4	8.0%	50
WIST2001	44	4.0%	1,101	9	10.8%	83	-	0.0%	21	7	6.0%	117	3	14.3%	21	6	4.5%	133
WIST2003	47	3.7%	1,266	8	9.0%	89	2	11.1%	18	8	5.7%	140	1	5.0%	20	5	3.4%	148
WIST2014	132	10.5%	1,256	18	17.1%	105	11	21.2%	52	22	16.5%	133	7	10.8%	65	11	7.6%	144
WIST2015	95	3.2%	2,985	15	9.7%	154	6	10.5%	57	9	4.0%	223	2	3.0%	67	7	2.3%	307
WIST2017	65	3.2%	2,017	4	3.9%	102	-	0.0%	22	15	10.0%	150	1	2.8%	36	10	5.1%	197
WIST2018	195	4.0%	4,834	32	10.1%	316	10	10.5%	95	27	5.7%	476	5	4.4%	113	26	4.6%	569
WIST2019	41	5.0%	813	6	8.8%	68	1	4.8%	21	5	4.9%	103	-	0.0%	18	4	4.1%	97
WIST2020	245	3.5%	6,970	32	7.6%	419	5	5.2%	96	49	7.7%	638	3	2.8%	108	38	4.5%	850
WIST2021	60	4.8%	1,239	8	10.3%	78	4	13.3%	30	11	10.2%	108	1	3.7%	27	6	3.6%	169
WIST2023	29	3.9%	738	4	8.0%	50	3	15.0%	20	1	1.3%	78	3	18.8%	16	4	4.2%	95
WIST2024	107	5.0%	2,144	16	12.0%	133	5	11.6%	43	7	4.3%	164	6	9.4%	64	14	5.9%	238
WIST2025	59	3.9%	1,527	5	6.8%	74	3	10.7%	28	10	7.4%	136	1	4.2%	24	11	7.1%	155
WIST2026	128	3.2%	3,984	16	7.4%	217	5	5.7%	88	15	4.7%	318	5	4.8%	104	18	3.9%	457
WIST3003	70	4.8%	1,464	8	7.3%	110	3	7.9%	38	12	7.5%	159	1	2.9%	34	12	6.6%	183
WIST3005	88	2.8%	3,113	12	6.0%	200	5	12.8%	39	17	6.0%	282	-	0.0%	53	5	1.4%	349
WIST3006	72	4.2%	1,733	10	7.4%	135	2	5.4%	37	9	4.6%	194	3	8.3%	36	3	1.4%	212
WIST3013	271	7.1%	3,825	40	17.8%	225	19	17.4%	109	36	10.8%	332	13	10.3%	126	32	8.9%	361
WIST3014	135	8.0%	1,694	30	17.9%	168	7	10.3%	68	23	11.4%	201	4	9.3%	43	15	6.7%	224
WIST3016	350	7.3%	4,781	61	14.3%	426	20	15.5%	129	53	10.8%	493	13	9.2%	142	38	6.5%	584
WIST3018	178	11.2%	1,583	22	18.6%	118	18	22.5%	80	30	18.2%	165	7	11.7%	60	13	6.8%	191
WIST3021	38	3.3%	1,157	8	14.5%	55	4	13.3%	30	3	2.7%	110	1	4.0%	25	5	3.8%	132
WIST3022	1	0.7%	153	-	0.0%	27	-	0.0%	3	-	0.0%	13	1	33.3%	3	-	0.0%	29
WIST3023	27	2.2%	1,204	5	10.0%	50	3	21.4%	14	4	6.6%	61	-	0.0%	22	4	3.9%	102
WIST3024	64	5.5%	1,173	9	10.5%	86	4	14.8%	27	6	5.4%	111	1	3.0%	33	10	7.8%	129
WIST3025	19	5.4%	354	4	20.0%	20	-	0.0%	6	5	16.1%	31	2	15.4%	13	1	2.6%	39
WIST3028	2	5.7%	35	-	0.0%	1	-	#DIV/O!	-	-	0.0%	1	-	0.0%	3	-	0.0%	2
WIST4002	45	4.3%	1,038	6	8.3%	72	3	15.0%	20	4	4.0%	101	1	6.7%	15	6	5.0%	120
WIST4003	150	4.1%	3,629	22	8.7%	252	4	6.5%	62	27	7.8%	348	4	5.3%	75	21	4.8%	435
WIST4004	132	4.0%	3,318	26	11.0%	237	9	13.6%	66	19	5.7%	334	5	8.6%	58	19	4.3%	447
WIST4006	206	3.2%	6,527	22	5.5%	397	8	8.3%	96	41	6.9%	596	4	3.3%	120	29	3.6%	800

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Station ID	All Initial Tests			2001			2002			2003			2004			2005		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST4009	81	4.0%	2,020	14	9.9%	141	4	10.8%	37	12	6.2%	193	2	4.3%	47	15	5.9%	253
WIST4014	31	3.9%	800	4	6.3%	63	2	12.5%	16	4	4.6%	87	1	5.9%	17	3	3.2%	94
WIST4017	143	3.8%	3,744	17	7.4%	230	2	3.4%	58	28	7.9%	355	6	9.2%	65	17	3.4%	497
WIST4019	83	5.3%	1,554	15	9.4%	160	4	9.3%	43	11	5.8%	189	1	2.2%	46	9	4.7%	192
WIST4026	69	2.8%	2,476	10	10.1%	99	3	8.6%	35	8	5.0%	160	3	6.3%	48	12	4.2%	289
WIST4031	199	6.1%	3,264	37	12.2%	304	9	9.2%	98	29	8.4%	346	9	8.5%	106	19	4.6%	415
WIST4032	801	13.8%	5,817	143	25.8%	555	63	20.7%	305	96	16.2%	593	45	16.4%	274	77	12.6%	611
WIST4039	29	2.9%	996	3	4.4%	68	1	7.7%	13	1	1.4%	73	1	5.6%	18	5	4.0%	125
WIST4040	31	1.5%	2,130	4	3.5%	114	3	8.6%	35	7	3.6%	195	1	3.6%	28	3	1.2%	259
WIST4042	263	5.9%	4,440	42	12.0%	351	18	11.4%	158	39	7.8%	499	13	7.9%	164	28	5.2%	540
WIST4043	738	6.3%	11,639	111	11.2%	994	61	15.0%	407	108	7.9%	1,366	24	5.7%	420	82	5.8%	1,426
WIST4044	708	9.3%	7,619	111	18.4%	603	53	15.6%	339	85	11.3%	755	37	11.9%	310	74	8.8%	845
WIST4045	115	4.8%	2,412	19	10.1%	189	4	9.5%	42	16	6.5%	245	2	5.1%	39	16	5.0%	323
WIST4048	143	5.3%	2,673	19	13.5%	141	6	9.7%	62	20	7.9%	254	5	6.8%	73	19	5.2%	362
WIST4049	47	5.0%	940	6	9.5%	63	-	0.0%	15	9	8.9%	101	-	0.0%	16	3	2.6%	117
WIST4050	53	2.4%	2,254	7	5.8%	120	3	9.4%	32	6	3.1%	194	1	2.4%	42	12	5.3%	228
WIST4051	124	5.0%	2,457	20	10.8%	185	6	10.2%	59	12	5.0%	241	6	9.2%	65	15	4.7%	320
WIST4052	5	11.1%	45	1	50.0%	2	-	0.0%	3	-	0.0%	5	-	0.0%	1	-	0.0%	5
WIST4053	11	7.4%	148	3	15.8%	19	-	0.0%	6	-	0.0%	15	2	50.0%	4	1	7.7%	13
WIST4054	93	4.6%	2,024	8	6.3%	127	2	6.1%	33	14	6.3%	224	1	2.0%	51	16	6.8%	236
WIST4055	46	5.6%	827	4	7.0%	57	2	9.5%	21	9	11.8%	76	1	3.2%	31	5	4.6%	108
WIST5003	169	7.5%	2,249	29	19.3%	150	6	9.7%	62	22	10.3%	214	15	19.0%	79	18	6.6%	271
WIST5004	92	3.6%	2,551	15	10.1%	149	2	5.4%	37	20	8.0%	250	4	7.7%	52	7	2.2%	314
WIST5005	74	4.4%	1,691	15	9.4%	160	4	11.1%	36	8	4.1%	197	4	11.4%	35	11	4.9%	223
WIST5007	13	3.3%	399	4	14.3%	28	-	0.0%	3	2	4.1%	49	1	12.5%	8	2	5.7%	35
WIST5008	329	4.4%	7,528	51	8.3%	614	17	12.8%	133	52	6.2%	840	10	5.8%	171	43	4.3%	990
WIST5009	34	2.6%	1,287	7	14.0%	50	1	9.1%	11	5	6.1%	82	1	4.5%	22	6	4.2%	143
WIST5011	61	2.1%	2,884	8	6.2%	130	1	4.8%	21	13	5.7%	228	2	5.1%	39	9	2.8%	325
WIST5012	73	2.7%	2,699	14	7.7%	183	1	2.9%	34	12	4.2%	287	2	4.1%	49	11	3.5%	311
WIST5014	273	4.1%	6,691	35	8.6%	405	7	5.7%	122	41	6.9%	595	9	6.7%	135	37	4.9%	755
WIST5015	233	8.6%	2,718	41	16.0%	257	16	16.7%	96	33	11.3%	292	7	8.4%	83	15	4.7%	317
WIST5017	88	5.1%	1,713	16	11.0%	145	5	10.0%	50	13	7.4%	175	4	10.3%	39	7	3.3%	211
WIST5021	52	4.9%	1,067	9	12.0%	75	4	14.8%	27	6	5.7%	106	1	4.3%	23	7	5.0%	139
WIST5023	20	3.2%	628	6	16.2%	37	1	9.1%	11	1	1.8%	56	2	12.5%	16	-	0.0%	77
WIST5028	9	2.3%	389	-	0.0%	27	-	0.0%	5	4	9.3%	43	-	0.0%	11	1	2.6%	38
WIST5029	309	4.3%	7,130	46	10.4%	443	15	9.7%	155	62	10.5%	592	13	6.8%	190	36	4.9%	741
WIST5036	20	4.7%	422	-	0.0%	28	2	22.2%	9	4	8.2%	49	-	0.0%	9	1	2.1%	47
WIST5037	69	4.0%	1,738	12	9.0%	133	3	10.3%	29	8	5.3%	152	2	6.5%	31	9	4.2%	214
WIST5040	31	2.5%	1,258	6	5.9%	102	1	3.1%	32	4	3.1%	127	1	3.1%	32	2	1.3%	153

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Station ID	All Initial Tests			2001			2002			2003			2004			2005		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST5041	37	2.2%	1,651	4	4.7%	86	2	10.5%	19	7	4.5%	156	4	16.0%	25	4	1.9%	214
WIST5044	31	3.7%	846	3	10.0%	30	-	0.0%	13	3	5.1%	59	4	19.0%	21	7	8.9%	79
WIST5045	19	3.7%	515	2	5.9%	34	2	16.7%	12	2	3.3%	61	1	11.1%	9	4	6.7%	60
WIST5047	8	2.7%	294	1	5.0%	20	-	0.0%	1	3	7.1%	42	-	0.0%	5	1	2.6%	39
WIST5049	101	3.3%	3,043	17	8.2%	208	2	4.9%	41	22	7.1%	311	3	5.4%	56	15	4.0%	372
WIST5053	37	3.6%	1,033	6	6.1%	98	2	7.4%	27	1	0.9%	107	2	12.5%	16	10	6.8%	147
WIST5055	433	6.9%	6,305	75	15.5%	484	28	17.2%	163	74	12.0%	617	22	9.1%	242	51	6.4%	792
WIST5056	16	11.4%	140	2	16.7%	12	2	33.3%	6	1	7.1%	14	-	0.0%	5	-	0.0%	17
WIST5058	71	5.5%	1,298	12	12.6%	95	5	13.2%	38	10	7.6%	131	6	14.0%	43	7	4.5%	154
WIST5061	81	3.3%	2,490	11	5.5%	200	3	5.0%	60	13	4.2%	310	4	5.5%	73	10	3.2%	313
WIST5066	203	6.2%	3,299	29	11.0%	264	12	15.4%	78	31	7.9%	391	7	8.8%	80	30	7.1%	422
WIST5069	676	10.6%	6,355	102	20.5%	498	55	15.3%	360	83	12.7%	656	45	12.6%	356	66	10.1%	653
WIST5070	13	8.4%	155	1	7.7%	13	1	20.0%	5	3	23.1%	13	2	40.0%	5	-	0.0%	19
WIST5071	424	6.0%	7,060	68	13.5%	503	22	11.5%	191	51	7.3%	703	13	7.2%	181	46	5.6%	822
WIST5074	278	5.8%	4,797	55	15.4%	357	16	11.8%	136	37	8.5%	437	12	7.4%	162	38	6.8%	562
WIST5075	62	10.5%	591	10	24.4%	41	4	15.4%	26	8	11.6%	69	1	6.3%	16	7	10.3%	68
WIST5076	106	4.8%	2,214	17	10.5%	162	5	8.1%	62	19	8.5%	224	3	3.7%	81	4	1.9%	215
WIST5077	26	2.8%	922	7	11.5%	61	1	4.8%	21	-	0.0%	86	1	7.7%	13	3	3.1%	98
WIST6001	691	8.0%	8,641	127	15.5%	821	44	13.7%	321	103	11.1%	924	25	9.8%	256	86	8.4%	1,018
WIST6004	161	3.1%	5,185	29	8.6%	339	4	4.5%	88	30	5.8%	518	2	2.1%	96	36	5.7%	634
WIST6007	39	4.1%	958	5	6.3%	80	2	8.3%	24	10	8.6%	116	1	3.3%	30	4	3.5%	115
WIST6012	50	5.4%	934	6	11.8%	51	2	8.3%	24	12	14.3%	84	2	11.1%	18	7	6.8%	103
WIST6013	76	3.1%	2,462	8	4.9%	163	1	2.9%	34	9	4.5%	202	-	0.0%	51	10	3.6%	276
WIST6014	55	4.6%	1,200	13	12.3%	106	1	4.2%	24	10	7.7%	130	-	0.0%	27	6	3.9%	153
WIST6016	148	5.9%	2,492	13	8.3%	156	8	14.3%	56	29	11.8%	246	2	4.9%	41	21	6.7%	315
WIST6018	370	7.2%	5,111	67	14.3%	469	17	10.8%	158	62	10.8%	575	17	10.4%	164	56	8.9%	632
WIST6021	51	3.4%	1,485	8	7.6%	105	1	4.8%	21	7	5.5%	128	4	12.1%	33	7	3.9%	180
WIST6022	43	2.8%	1,554	2	3.0%	67	1	3.6%	28	6	5.0%	119	1	3.7%	27	4	2.6%	151
WIST6026	29	2.9%	995	5	8.3%	60	-	0.0%	21	3	3.7%	82	-	0.0%	20	5	4.8%	105
WIST6030	57	2.5%	2,269	11	8.7%	127	2	5.7%	35	6	3.1%	192	1	2.7%	37	9	4.1%	217
WIST6031	43	4.3%	996	7	12.7%	55	1	6.7%	15	7	7.2%	97	-	0.0%	18	7	5.9%	118
WIST6033	32	3.4%	943	4	11.4%	35	1	12.5%	8	2	2.7%	73	-	0.0%	11	3	2.9%	102
WIST6034	37	2.7%	1,359	5	6.9%	72	1	4.8%	21	1	0.9%	113	-	0.0%	25	7	4.6%	152
WIST6035	117	6.9%	1,707	24	17.6%	136	2	4.7%	43	13	8.0%	163	7	9.7%	72	12	5.8%	206
WIST6036	13	1.7%	775	3	4.7%	64	1	12.5%	8	1	1.2%	86	2	11.1%	18	1	1.2%	84
WIST6037	345	8.6%	3,993	57	15.7%	364	21	13.0%	161	48	11.4%	421	17	11.6%	147	34	7.5%	452
WIST6038	39	4.4%	883	4	6.8%	59	2	6.5%	31	9	9.7%	93	2	6.1%	33	4	3.8%	106
WIST6039	44	3.2%	1,359	5	9.1%	55	2	11.1%	18	6	6.3%	95	2	8.3%	24	8	6.8%	117
WIST6040	306	7.8%	3,906	46	14.9%	308	21	14.2%	148	43	9.2%	469	14	8.6%	163	32	7.2%	447

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	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST6041	109	3.3%	3,342	10	6.5%	155	4	6.1%	66	12	4.6%	260	2	2.4%	85	19	5.2%	367
WIST7003	500	5.9%	8,460	85	12.8%	663	16	6.6%	243	83	9.9%	841	21	9.6%	218	62	6.9%	894
WIST7004	281	6.4%	4,387	60	16.1%	373	15	15.2%	99	38	8.1%	469	13	10.1%	129	30	6.3%	479
WIST7006	39	3.7%	1,048	6	10.2%	59	4	21.1%	19	4	4.8%	83	2	7.4%	27	4	3.3%	120
WIST7007	54	4.8%	1,128	7	9.6%	73	3	18.8%	16	8	6.8%	117	2	7.4%	27	8	6.3%	126
WIST7009	138	4.2%	3,259	22	10.5%	210	12	14.5%	83	20	6.6%	303	8	8.0%	100	19	4.9%	384
WIST7011	243	5.5%	4,430	39	10.7%	365	7	6.5%	107	39	8.2%	477	12	10.4%	115	27	4.9%	550
WIST7014	239	4.3%	5,623	36	9.0%	402	10	7.5%	134	42	7.7%	548	8	5.8%	137	34	4.7%	724
WIST7015	49	4.7%	1,052	9	14.5%	62	3	23.1%	13	12	10.5%	114	1	6.3%	16	4	3.3%	120
WIST7016	242	3.2%	7,468	33	7.7%	427	9	8.2%	110	49	7.8%	628	9	6.0%	150	36	4.0%	906
WIST7017	153	5.3%	2,895	24	12.5%	192	10	14.7%	68	19	6.7%	285	7	12.1%	58	14	4.1%	345
WIST7018	22	2.2%	1,021	1	1.8%	55	2	11.8%	17	2	2.2%	89	1	6.7%	15	2	2.5%	80
WIST7020	53	4.8%	1,093	10	10.8%	93	1	3.6%	28	9	8.5%	106	-	0.0%	26	12	8.8%	136
WIST7021	83	6.4%	1,303	16	14.2%	113	2	5.0%	40	7	5.4%	129	3	9.4%	32	12	6.7%	179
WIST7022	75	2.5%	3,033	13	6.6%	198	2	5.4%	37	11	3.8%	293	1	1.9%	54	13	3.5%	371
WIST7023	166	5.8%	2,883	34	14.5%	234	6	6.1%	98	23	7.3%	315	9	9.3%	97	7	1.9%	373
WIST7024	82	6.0%	1,373	12	11.1%	108	4	11.8%	34	15	9.8%	153	4	9.3%	43	16	9.6%	167
WIST7025	28	3.0%	944	5	8.5%	59	3	20.0%	15	3	3.3%	92	-	0.0%	16	3	2.7%	113
WIST7027	118	13.9%	849	14	20.9%	67	7	12.7%	55	17	18.1%	94	7	23.3%	30	9	10.2%	88
WIST7030	381	5.5%	6,925	60	11.4%	526	19	10.2%	187	61	9.1%	668	9	4.7%	192	56	6.5%	857
WIST7031	35	2.7%	1,308	9	14.5%	62	1	9.1%	11	6	6.3%	96	-	0.0%	26	5	3.6%	140
WIST7032	271	11.4%	2,368	43	20.0%	215	29	23.2%	125	37	14.3%	258	12	14.5%	83	26	10.7%	243
WIST7033	371	7.2%	5,124	65	13.5%	482	18	10.2%	176	56	9.7%	576	25	16.1%	155	38	6.0%	636
WIST7036	363	7.0%	5,166	66	14.6%	451	24	13.0%	184	58	10.7%	543	10	6.1%	165	43	7.3%	593
WIST7039	33	2.2%	1,528	5	4.9%	103	1	4.0%	25	8	5.5%	146	2	6.3%	32	5	2.5%	199
WIST7040	77	2.4%	3,216	7	4.3%	164	4	10.3%	39	9	3.1%	292	2	3.2%	63	10	2.4%	423
WIST7041	181	4.3%	4,187	27	10.6%	255	10	13.0%	77	41	9.8%	417	9	10.6%	85	16	3.3%	479
WIST7042	267	3.4%	7,764	45	8.9%	503	12	9.4%	127	53	6.5%	817	11	6.8%	161	40	3.9%	1,018
WIST7044	109	2.8%	3,843	24	9.6%	250	3	4.6%	65	27	6.8%	395	-	0.0%	72	10	2.3%	436
WIST7045	230	4.0%	5,700	32	9.1%	351	5	6.3%	79	39	6.8%	571	2	2.0%	99	37	5.3%	695
WIST7046	265	9.8%	2,704	36	13.7%	262	26	20.2%	129	37	11.7%	315	11	9.1%	121	24	7.6%	315
WIST7049	69	2.7%	2,582	12	8.0%	150	1	2.6%	38	10	4.3%	235	1	2.4%	41	12	3.9%	306
WIST7052	272	3.6%	7,521	35	8.2%	425	16	12.7%	126	48	7.7%	624	7	4.8%	147	36	4.2%	859
WIST7053	95	4.6%	2,047	13	7.8%	167	5	9.4%	53	7	3.3%	209	4	8.2%	49	7	3.1%	223
WIST7054	28	2.4%	1,163	4	4.2%	95	2	12.5%	16	3	2.6%	116	-	0.0%	22	6	3.2%	185
WIST7055	208	4.3%	4,869	41	10.3%	397	6	5.5%	110	41	7.4%	555	10	8.1%	124	25	4.1%	607
WIST7056	132	3.2%	4,121	24	8.4%	287	3	3.2%	95	21	5.2%	407	4	3.9%	103	20	3.6%	550
WIST7061	57	4.6%	1,250	5	5.2%	96	1	5.0%	20	12	9.3%	129	1	3.2%	31	8	5.6%	143
WIST7062	104	3.3%	3,119	17	7.4%	229	6	10.2%	59	20	6.3%	317	5	6.6%	76	11	2.5%	446

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WIST7064	90	2.3%	3,852	12	6.4%	187	3	8.1%	37	18	6.2%	291	1	2.2%	46	15	3.9%	384
WIST7065	300	5.6%	5,366	57	11.0%	520	14	7.2%	194	54	8.9%	605	7	4.5%	157	27	4.2%	641
WIST7067	50	3.4%	1,451	6	5.8%	103	2	8.3%	24	5	3.7%	135	1	4.5%	22	9	5.4%	167
WIST7068	100	3.3%	2,989	10	6.0%	168	2	4.5%	44	17	5.6%	306	4	6.3%	63	12	3.5%	345
WIST7069	255	3.8%	6,787	44	10.1%	435	10	8.0%	125	42	6.9%	608	6	4.1%	147	43	5.4%	798
WIST7070	44	2.3%	1,934	6	4.9%	123	3	8.1%	37	5	2.9%	170	1	2.9%	34	7	3.1%	223
WIST7071	188	4.3%	4,337	34	11.4%	298	12	9.8%	122	30	7.1%	425	4	4.7%	85	26	4.8%	547
WIST7072	165	4.6%	3,618	23	8.9%	259	8	11.0%	73	18	5.3%	339	6	8.5%	71	18	4.3%	423
WIST7073	234	6.2%	3,791	35	12.9%	271	9	8.7%	103	43	11.0%	390	8	7.1%	112	29	6.2%	470
WIST7074	858	7.3%	11,791	150	12.2%	1,225	62	11.1%	560	111	7.5%	1,472	36	7.7%	468	89	6.2%	1,429
WIST7075	81	2.9%	2,823	11	5.1%	215	6	10.3%	58	14	4.7%	298	3	5.0%	60	12	3.3%	369
WIST7076	218	3.1%	6,947	31	7.5%	413	13	10.7%	121	39	5.8%	670	9	7.3%	124	25	3.0%	820
WIST7078	51	1.7%	3,039	10	4.9%	205	1	2.5%	40	6	2.4%	248	2	3.9%	51	11	3.3%	334
WIST7079	196	9.8%	2,002	31	17.1%	181	9	13.0%	69	29	14.1%	205	11	11.5%	96	20	8.5%	234
WIST7080	137	3.3%	4,100	24	8.6%	278	6	7.6%	79	24	6.0%	400	1	1.2%	82	23	4.4%	523
WIST7081	348	7.1%	4,894	66	17.1%	387	15	10.5%	143	50	9.2%	546	12	8.8%	137	48	8.0%	599
WIST7083	350	3.7%	9,483	63	9.7%	647	14	8.6%	163	45	5.2%	869	17	7.9%	216	44	3.9%	1,137
WIST7086	25	2.7%	931	5	9.6%	52	1	7.7%	13	3	4.6%	65	-	0.0%	15	4	3.7%	107
WIST7088	49	6.4%	763	6	9.8%	61	1	3.6%	28	9	11.0%	82	1	6.7%	15	3	3.2%	94
WIST7090	28	5.4%	520	4	11.4%	35	2	22.2%	9	2	3.8%	53	-	0.0%	12	5	6.8%	74
WIST7092	68	3.8%	1,795	12	9.0%	133	2	10.5%	19	16	9.0%	178	1	2.9%	34	7	3.5%	198
WIST7093	118	3.3%	3,593	16	6.5%	247	4	7.7%	52	23	6.3%	364	3	3.9%	77	16	3.4%	467
WIST7094	135	3.3%	4,045	23	10.0%	229	4	8.2%	49	24	6.7%	360	3	4.5%	66	21	4.2%	506
WIST7095	52	3.6%	1,443	5	4.5%	111	1	4.8%	21	16	10.0%	160	3	9.4%	32	7	4.1%	169
WIST7098	163	5.0%	3,251	26	12.3%	212	13	20.6%	63	29	9.8%	297	6	10.5%	57	30	7.3%	411
WIST7103	134	4.1%	3,294	26	9.8%	264	6	10.7%	56	20	6.3%	315	4	6.0%	67	21	4.8%	437
WIST7106	80	1.8%	4,420	11	5.7%	193	2	4.2%	48	14	4.0%	350	6	9.5%	63	18	4.0%	448
WIST7108	349	4.5%	7,807	58	9.4%	618	13	7.3%	177	56	6.9%	810	6	3.2%	190	43	4.5%	958
WIST7109	248	5.2%	4,810	38	10.8%	353	17	12.9%	132	32	7.2%	444	10	8.3%	121	43	7.2%	598
WIST7113	150	4.4%	3,404	15	6.9%	218	10	16.9%	59	27	8.6%	314	8	11.3%	71	20	4.8%	421
WIST7115	5	2.1%	236	1	7.7%	13	-	0.0%	3	-	0.0%	23	-	0.0%	5	1	3.4%	29
WIST7116	169	2.7%	6,327	25	7.5%	332	6	7.1%	85	30	5.4%	553	9	7.6%	118	18	2.4%	735
WIST7117	247	5.2%	4,742	49	12.9%	379	7	5.6%	125	24	5.0%	482	7	6.0%	117	35	5.7%	615
WIST7118	136	5.1%	2,663	22	11.7%	188	6	10.0%	60	28	10.1%	278	3	4.2%	71	16	4.9%	327
WIST7119	97	3.3%	2,967	10	6.1%	163	4	8.0%	50	12	4.7%	257	4	7.0%	57	17	5.1%	335
WIST7120	135	11.6%	1,167	9	9.6%	94	12	27.9%	43	22	15.9%	138	9	15.5%	58	15	12.1%	124
WIST7121	48	2.1%	2,237	8	8.6%	93	2	5.9%	34	4	2.4%	164	-	0.0%	33	10	4.9%	203
WIST7123	106	3.3%	3,188	13	8.3%	157	6	10.7%	56	15	5.5%	274	3	4.5%	67	11	3.4%	324
WIST7124	117	4.3%	2,737	24	16.4%	146	8	15.1%	53	17	7.4%	229	3	4.9%	61	16	5.0%	320

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WIST7125	205	11.1%	1,853	28	18.1%	155	16	15.8%	101	27	14.6%	185	12	10.1%	119	13	7.3%	179
WIST7126	67	6.7%	996	5	7.6%	66	2	8.3%	24	5	6.1%	82	3	12.5%	24	6	5.0%	120
WIST7127	155	3.6%	4,330	19	9.5%	201	9	10.2%	88	23	6.9%	335	4	4.9%	81	23	4.6%	497
WIST7128	12	3.3%	361	4	28.6%	14	-	0.0%	1	4	18.2%	22	-	0.0%	4	1	2.3%	43
WIST7129	6	2.7%	221	2	9.5%	21	-	0.0%	5	-	0.0%	14	-	0.0%	7	-	0.0%	27
WIST8001	70	4.8%	1,457	10	11.8%	85	-	0.0%	20	10	7.9%	126	3	7.7%	39	16	9.3%	172
WIST8002	192	3.4%	5,603	24	7.5%	321	9	10.2%	88	30	6.1%	488	8	7.6%	105	25	3.9%	648
WIST8003	7	33.3%	21	-	#DIV/0!	-	-	#DIV/0!	-	-	#DIV/0!	-	-	#DIV/0!	-	1	33.3%	3
WIST8004	1,027	10.6%	9,653	178	16.7%	1,065	77	14.4%	533	133	10.9%	1,220	37	8.4%	440	120	10.6%	1,133
WIST8005	358	7.8%	4,582	57	17.2%	331	19	12.8%	149	42	10.2%	411	20	11.8%	169	44	8.3%	533
WIST8006	791	6.5%	12,105	118	15.4%	766	51	15.2%	335	107	9.4%	1,142	46	11.2%	410	95	7.3%	1,293
WIST8007	269	4.9%	5,543	41	11.6%	353	15	11.3%	133	42	8.2%	512	12	9.4%	128	33	5.0%	660
WIST8008	320	10.6%	3,008	48	16.7%	288	27	21.3%	127	39	11.8%	331	17	14.4%	118	30	9.5%	315
WIST8009	87	4.0%	2,180	8	5.9%	135	3	7.5%	40	17	7.9%	216	1	2.4%	42	10	3.8%	266
WIST8010	26	4.3%	609	3	8.1%	37	1	6.3%	16	3	4.6%	65	-	0.0%	20	3	3.6%	83
WIST8011	220	4.6%	4,825	33	10.1%	327	11	11.0%	100	23	5.1%	452	5	4.9%	102	39	6.4%	608
WISTT001	92	3.0%	3,083	13	7.0%	185	3	8.8%	34	8	3.1%	260	3	4.0%	75	14	3.8%	365
WISTT002	139	9.3%	1,489	26	20.8%	125	11	22.9%	48	19	11.0%	172	4	8.0%	50	12	6.3%	192
WISTT003	489	10.1%	4,839	74	18.2%	407	28	14.8%	189	71	13.5%	527	21	14.2%	148	70	11.1%	631
WISTT005	132	4.3%	3,094	21	10.3%	204	7	13.0%	54	19	7.0%	271	3	4.4%	68	13	3.7%	348
WISTT006	115	4.3%	2,678	17	8.4%	202	6	10.7%	56	22	7.0%	316	5	7.7%	65	17	5.3%	322
Total	32,512	5.1%	634,669	5,130	11.4%	45,168	1,785	11.5%	15,505	4,842	7.8%	62,457	1,277	7.8%	16,405	3,986	5.3%	75,124

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Station ID	All Initial Tests			2006			2007			2008			2009			2010		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST1002	140	7.1%	1,967	3	4.8%	62	13	5.2%	250	-	0.0%	69	1	0.8%	129	1	2.0%	50
WIST1003	43	3.6%	1,199	3	11.5%	26	8	4.7%	171	1	4.0%	25	2	2.0%	101	-	0.0%	16
WIST1012	29	3.3%	886	2	7.4%	27	1	0.8%	129	-	0.0%	19	-	0.0%	75	-	0.0%	15
WIST1013	40	2.9%	1,359	2	11.8%	17	5	2.6%	191	-	0.0%	31	2	1.3%	154	-	0.0%	24
WIST1014	54	5.6%	971	-	0.0%	29	5	4.3%	115	3	11.1%	27	1	1.3%	76	-	0.0%	26
WIST1015	243	3.2%	7,588	8	4.8%	165	26	2.3%	1,118	6	3.8%	159	14	1.7%	822	1	0.7%	139
WIST1016	18	4.5%	399	-	0.0%	14	1	2.0%	49	-	0.0%	11	-	0.0%	26	-	0.0%	10
WIST1017	378	8.3%	4,561	17	10.4%	163	31	5.4%	578	19	11.6%	164	8	1.8%	437	6	4.2%	143
WIST1018	17	4.5%	378	-	0.0%	8	-	0.0%	58	-	0.0%	16	-	0.0%	31	-	0.0%	12
WIST2001	44	4.0%	1,101	-	0.0%	35	1	0.7%	148	-	0.0%	50	1	1.1%	87	1	3.1%	32
WIST2003	47	3.7%	1,266	-	0.0%	24	5	3.2%	156	-	0.0%	30	3	2.6%	115	-	0.0%	28
WIST2014	132	10.5%	1,256	4	9.5%	42	7	5.4%	129	1	2.6%	39	1	1.0%	105	-	0.0%	28
WIST2015	95	3.2%	2,985	7	11.3%	62	11	2.5%	442	-	0.0%	68	9	2.5%	359	2	3.7%	54
WIST2017	65	3.2%	2,017	4	8.9%	45	8	3.0%	266	3	8.3%	36	5	2.3%	215	1	2.1%	47
WIST2018	195	4.0%	4,834	5	3.7%	136	21	3.4%	624	2	1.5%	135	12	2.6%	463	3	3.1%	96
WIST2019	41	5.0%	813	-	0.0%	14	8	8.2%	97	-	0.0%	16	1	1.3%	79	-	0.0%	17
WIST2020	245	3.5%	6,970	7	5.1%	136	30	3.3%	923	5	3.8%	133	15	2.1%	726	4	3.6%	111
WIST2021	60	4.8%	1,239	2	8.7%	23	8	5.3%	152	3	7.9%	38	2	1.6%	125	1	4.2%	24
WIST2023	29	3.9%	738	1	4.5%	22	6	6.6%	91	-	0.0%	16	-	0.0%	72	-	0.0%	18
WIST2024	107	5.0%	2,144	3	5.1%	59	16	5.1%	314	-	0.0%	62	6	3.1%	191	1	2.1%	47
WIST2025	59	3.9%	1,527	1	3.3%	30	9	4.4%	203	-	0.0%	30	2	1.3%	157	1	2.9%	34
WIST2026	128	3.2%	3,984	1	0.9%	112	16	3.1%	521	-	0.0%	111	11	3.0%	370	1	1.1%	90
WIST3003	70	4.8%	1,464	3	8.6%	35	8	4.5%	177	1	3.4%	29	2	1.3%	149	1	3.0%	33
WIST3005	88	2.8%	3,113	2	3.1%	64	15	3.8%	400	1	1.5%	67	5	1.6%	305	1	1.6%	62
WIST3006	72	4.2%	1,733	1	2.0%	49	8	3.3%	246	3	9.7%	31	3	2.0%	147	-	0.0%	22
WIST3013	271	7.1%	3,825	11	7.3%	150	20	4.3%	461	4	2.9%	136	8	2.5%	317	2	2.3%	88
WIST3014	135	8.0%	1,694	4	8.5%	47	7	3.8%	186	3	7.9%	38	10	6.5%	153	-	0.0%	29
WIST3016	350	7.3%	4,781	5	3.2%	155	21	3.7%	572	4	2.9%	140	11	3.0%	366	2	2.1%	96
WIST3018	178	11.2%	1,583	5	8.5%	59	11	6.4%	173	4	5.5%	73	5	4.9%	102	1	3.2%	31
WIST3021	38	3.3%	1,157	1	3.8%	26	3	2.2%	134	-	0.0%	31	2	1.9%	104	-	0.0%	28
WIST3022	1	0.7%	153	-	0.0%	2	-	0.0%	28	-	0.0%	3	-	0.0%	4	-	0.0%	1
WIST3023	27	2.2%	1,204	1	3.8%	26	3	2.0%	150	-	0.0%	26	-	0.0%	145	1	2.5%	40
WIST3024	64	5.5%	1,173	1	2.9%	34	12	8.1%	148	2	5.3%	38	1	0.9%	112	-	0.0%	15
WIST3025	19	5.4%	354	-	0.0%	10	1	2.4%	41	1	7.1%	14	1	4.0%	25	-	0.0%	13
WIST3028	2	5.7%	35	-	#DIV/0!	-	1	25.0%	4	1	33.3%	3	-	#DIV/0!	-	-	0.0%	3
WIST4002	45	4.3%	1,038	3	14.3%	21	9	6.3%	142	-	0.0%	22	3	2.8%	107	-	0.0%	27
WIST4003	150	4.1%	3,629	2	2.2%	90	16	3.4%	476	2	2.4%	83	6	1.6%	371	2	2.5%	80
WIST4004	132	4.0%	3,318	4	5.9%	68	16	3.5%	459	1	1.4%	74	3	1.0%	295	1	1.8%	57
WIST4006	206	3.2%	6,527	4	3.0%	134	26	2.9%	885	4	2.7%	147	13	1.8%	726	4	3.4%	117

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Station ID	All Initial Tests			2006			2007			2008			2009			2010		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST4009	81	4.0%	2,020	2	4.9%	41	6	2.3%	264	2	3.3%	61	5	2.5%	203	-	0.0%	43
WIST4014	31	3.9%	800	3	14.3%	21	2	2.1%	97	1	5.0%	20	4	5.5%	73	-	0.0%	12
WIST4017	143	3.8%	3,744	3	4.8%	63	15	2.8%	542	3	3.3%	91	9	2.3%	389	-	0.0%	80
WIST4019	83	5.3%	1,554	3	7.3%	41	8	4.1%	197	1	2.6%	38	3	2.3%	133	-	0.0%	22
WIST4026	69	2.8%	2,476	1	2.6%	39	9	2.7%	332	2	3.5%	57	4	1.5%	260	-	0.0%	60
WIST4031	199	6.1%	3,264	3	3.0%	101	16	4.6%	345	3	3.9%	77	7	2.8%	254	1	1.3%	77
WIST4032	801	13.8%	5,817	30	12.8%	235	49	8.1%	602	23	11.6%	198	11	3.7%	296	6	4.3%	141
WIST4039	29	2.9%	996	-	0.0%	9	9	5.8%	156	1	5.6%	18	3	3.5%	85	-	0.0%	18
WIST4040	31	1.5%	2,130	-	0.0%	41	3	1.2%	252	-	0.0%	45	-	0.0%	219	-	0.0%	51
WIST4042	263	5.9%	4,440	11	6.8%	161	17	3.3%	517	9	5.5%	163	9	2.6%	351	2	1.9%	104
WIST4043	738	6.3%	11,639	23	5.5%	418	58	4.3%	1,336	17	4.6%	371	22	2.7%	821	5	1.7%	294
WIST4044	708	9.3%	7,619	20	7.7%	261	60	7.0%	857	13	5.2%	249	19	3.3%	581	8	4.5%	176
WIST4045	115	4.8%	2,412	2	3.6%	55	15	4.5%	334	1	2.5%	40	5	2.6%	195	1	2.3%	44
WIST4048	143	5.3%	2,673	4	6.9%	58	10	2.9%	340	3	4.3%	70	8	3.1%	261	-	0.0%	61
WIST4049	47	5.0%	940	2	8.3%	24	7	5.5%	128	-	0.0%	27	2	2.1%	97	-	0.0%	23
WIST4050	53	2.4%	2,254	-	0.0%	37	11	3.6%	306	2	3.5%	57	2	0.8%	262	-	0.0%	37
WIST4051	124	5.0%	2,457	4	7.5%	53	11	3.6%	309	3	5.0%	60	6	3.3%	183	2	4.2%	48
WIST4052	5	11.1%	45	1	50.0%	2	-	0.0%	4	1	20.0%	5	-	0.0%	1	-	#DIV/0!	-
WIST4053	11	7.4%	148	-	0.0%	5	-	0.0%	19	-	0.0%	4	-	0.0%	6	-	0.0%	1
WIST4054	93	4.6%	2,024	2	4.4%	45	11	4.1%	266	3	5.5%	55	6	3.3%	183	-	0.0%	44
WIST4055	46	5.6%	827	1	4.5%	22	5	5.7%	88	-	0.0%	18	5	6.3%	80	-	0.0%	17
WIST5003	169	7.5%	2,249	9	10.8%	83	7	2.7%	259	7	8.2%	85	7	4.0%	174	3	5.2%	58
WIST5004	92	3.6%	2,551	6	10.2%	59	14	3.7%	380	-	0.0%	47	2	0.7%	282	1	2.2%	46
WIST5005	74	4.4%	1,691	-	0.0%	44	5	2.6%	195	-	0.0%	37	3	1.9%	159	-	0.0%	33
WIST5007	13	3.3%	399	-	0.0%	6	2	3.4%	58	-	0.0%	9	-	0.0%	42	-	0.0%	8
WIST5008	329	4.4%	7,528	5	3.0%	169	37	3.7%	1,007	2	1.1%	179	13	2.0%	646	2	1.6%	126
WIST5009	34	2.6%	1,287	-	0.0%	24	3	1.5%	199	-	0.0%	25	4	2.8%	142	-	0.0%	31
WIST5011	61	2.1%	2,884	3	6.5%	46	9	2.1%	433	1	1.6%	63	2	0.6%	313	1	2.2%	46
WIST5012	73	2.7%	2,699	4	7.5%	53	10	2.6%	384	-	0.0%	69	4	1.4%	288	-	0.0%	48
WIST5014	273	4.1%	6,691	4	3.0%	133	35	4.0%	878	4	2.3%	175	19	2.9%	664	3	2.1%	142
WIST5015	233	8.6%	2,718	15	18.5%	81	16	5.5%	290	1	1.6%	63	4	2.4%	168	-	0.0%	56
WIST5017	88	5.1%	1,713	-	0.0%	30	8	3.4%	235	2	4.7%	43	3	2.3%	132	-	0.0%	35
WIST5021	52	4.9%	1,067	2	7.7%	26	5	3.4%	147	2	6.1%	33	3	3.5%	86	-	0.0%	25
WIST5023	20	3.2%	628	1	5.6%	18	3	3.3%	90	1	3.0%	33	1	1.6%	64	-	0.0%	18
WIST5028	9	2.3%	389	-	0.0%	12	-	0.0%	37	-	0.0%	10	1	2.8%	36	-	0.0%	7
WIST5029	309	4.3%	7,130	10	6.1%	165	32	3.4%	931	2	1.0%	201	15	2.0%	764	5	3.1%	163
WIST5036	20	4.7%	422	-	0.0%	13	-	0.0%	50	-	0.0%	14	2	5.7%	35	1	11.1%	9
WIST5037	69	4.0%	1,738	-	0.0%	43	5	2.1%	233	2	5.3%	38	6	3.6%	166	2	5.6%	36
WIST5040	31	2.5%	1,258	-	0.0%	22	4	2.4%	170	-	0.0%	27	2	1.7%	116	1	5.3%	19

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Station ID	All Initial Tests			2006			2007			2008			2009			2010		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST5041	37	2.2%	1,651	2	6.1%	33	4	1.9%	207	-	0.0%	35	3	1.7%	179	-	0.0%	35
WIST5044	31	3.7%	846	1	5.6%	18	2	2.0%	100	-	0.0%	22	3	3.4%	88	-	0.0%	36
WIST5045	19	3.7%	515	2	15.4%	13	1	1.4%	72	-	0.0%	14	1	1.9%	54	-	0.0%	5
WIST5047	8	2.7%	294	-	0.0%	6	2	6.1%	33	-	0.0%	4	-	0.0%	28	-	0.0%	7
WIST5049	101	3.3%	3,043	3	5.6%	54	12	2.8%	433	-	0.0%	65	3	1.0%	303	-	0.0%	51
WIST5053	37	3.6%	1,033	-	0.0%	12	4	3.0%	134	-	0.0%	20	-	0.0%	65	-	0.0%	18
WIST5055	433	6.9%	6,305	11	5.6%	195	39	5.0%	775	6	3.1%	192	19	3.2%	587	1	0.7%	143
WIST5056	16	11.4%	140	2	50.0%	4	1	10.0%	10	-	0.0%	10	1	10.0%	10	3	33.3%	9
WIST5058	71	5.5%	1,298	1	2.4%	42	7	4.1%	172	4	10.5%	38	1	1.1%	94	2	10.5%	19
WIST5061	81	3.3%	2,490	2	3.6%	56	8	2.5%	325	4	7.0%	57	3	1.6%	192	-	0.0%	42
WIST5066	203	6.2%	3,299	3	3.4%	88	12	3.1%	384	1	1.0%	99	9	3.4%	264	2	2.7%	73
WIST5069	676	10.6%	6,355	21	6.8%	310	44	6.7%	656	13	5.0%	262	14	3.8%	367	3	1.8%	164
WIST5070	13	8.4%	155	2	28.6%	7	-	0.0%	12	-	0.0%	8	-	0.0%	14	-	0.0%	7
WIST5071	424	6.0%	7,060	15	7.5%	199	45	5.1%	876	8	4.2%	192	12	2.0%	607	2	1.4%	143
WIST5074	278	5.8%	4,797	8	5.1%	157	25	3.8%	653	4	2.6%	156	11	2.7%	414	-	0.0%	124
WIST5075	62	10.5%	591	1	3.8%	26	2	2.5%	79	3	15.0%	20	5	13.9%	36	1	5.3%	19
WIST5076	106	4.8%	2,214	2	3.0%	67	13	5.0%	261	4	5.3%	75	2	1.1%	179	1	1.6%	62
WIST5077	26	2.8%	922	-	0.0%	21	1	0.8%	122	-	0.0%	34	1	1.1%	87	-	0.0%	17
WIST6001	691	8.0%	8,641	18	8.0%	225	45	4.7%	956	8	3.4%	235	21	3.2%	647	1	0.7%	153
WIST6004	161	3.1%	5,185	1	1.1%	89	14	2.0%	717	2	1.8%	112	9	1.7%	539	2	2.0%	101
WIST6007	39	4.1%	958	-	0.0%	22	8	6.3%	128	-	0.0%	18	3	3.9%	76	1	6.3%	16
WIST6012	50	5.4%	934	1	4.2%	24	1	0.8%	122	3	18.8%	16	2	1.8%	112	-	0.0%	15
WIST6013	76	3.1%	2,462	3	6.0%	50	9	2.6%	343	2	3.8%	53	5	1.9%	269	-	0.0%	44
WIST6014	55	4.6%	1,200	1	3.1%	32	1	0.6%	154	1	4.5%	22	1	0.9%	115	2	7.7%	26
WIST6016	148	5.9%	2,492	2	3.6%	56	16	5.4%	295	-	0.0%	50	8	3.4%	235	-	0.0%	37
WIST6018	370	7.2%	5,111	11	8.0%	137	25	4.4%	570	10	8.1%	124	12	2.8%	422	-	0.0%	74
WIST6021	51	3.4%	1,485	3	7.7%	39	5	2.1%	236	2	7.7%	26	1	0.7%	139	-	0.0%	23
WIST6022	43	2.8%	1,554	2	6.5%	31	8	4.1%	194	-	0.0%	43	3	1.7%	179	1	2.9%	34
WIST6026	29	2.9%	995	1	4.3%	23	3	2.9%	103	1	3.6%	28	-	0.0%	93	-	0.0%	18
WIST6030	57	2.5%	2,269	2	5.1%	39	8	2.7%	300	3	4.7%	64	5	2.1%	238	-	0.0%	46
WIST6031	43	4.3%	996	-	0.0%	22	6	5.0%	120	2	6.7%	30	2	2.2%	91	1	7.1%	14
WIST6033	32	3.4%	943	2	11.8%	17	5	4.1%	122	1	4.5%	22	3	2.9%	103	-	0.0%	23
WIST6034	37	2.7%	1,359	3	12.0%	25	4	2.5%	163	3	10.0%	30	2	1.2%	170	-	0.0%	26
WIST6035	117	6.9%	1,707	3	5.2%	58	7	3.3%	209	1	2.5%	40	8	6.8%	118	-	0.0%	29
WIST6036	13	1.7%	775	4	20.0%	20	-	0.0%	102	-	0.0%	15	-	0.0%	73	-	0.0%	13
WIST6037	345	8.6%	3,993	8	6.4%	125	25	5.6%	446	4	3.1%	130	6	2.3%	256	1	1.4%	74
WIST6038	39	4.4%	883	-	0.0%	29	2	1.9%	107	2	8.3%	24	1	2.0%	49	-	0.0%	18
WIST6039	44	3.2%	1,359	-	0.0%	22	4	2.2%	183	-	0.0%	33	3	2.1%	141	1	2.9%	34
WIST6040	306	7.8%	3,906	11	8.3%	133	30	6.6%	456	3	2.3%	128	8	2.7%	300	3	3.5%	85

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Station ID	All Initial Tests			2006			2007			2008			2009			2010		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST6041	109	3.3%	3,342	4	4.9%	81	10	2.4%	412	4	3.5%	114	10	3.0%	331	-	0.0%	93
WIST7003	500	5.9%	8,460	13	5.9%	219	55	5.3%	1,035	12	4.6%	259	20	2.7%	731	3	1.7%	180
WIST7004	281	6.4%	4,387	5	4.2%	118	14	2.6%	542	4	3.5%	114	9	2.6%	351	3	3.5%	85
WIST7006	39	3.7%	1,048	-	0.0%	13	8	5.0%	161	1	4.5%	22	2	2.2%	90	1	4.3%	23
WIST7007	54	4.8%	1,128	2	7.4%	27	3	2.3%	128	-	0.0%	19	7	5.2%	135	-	0.0%	17
WIST7009	138	4.2%	3,259	4	3.6%	112	13	3.4%	383	1	1.1%	92	4	1.5%	268	1	1.3%	75
WIST7011	243	5.5%	4,430	5	4.8%	105	22	4.3%	515	1	0.9%	111	11	2.8%	393	2	2.4%	82
WIST7014	239	4.3%	5,623	2	1.4%	145	21	3.1%	684	7	4.5%	155	9	1.7%	526	5	4.2%	119
WIST7015	49	4.7%	1,052	-	0.0%	18	8	5.2%	155	1	4.0%	25	3	2.6%	116	-	0.0%	18
WIST7016	242	3.2%	7,468	6	3.6%	166	32	3.1%	1,044	1	0.6%	180	9	1.2%	779	1	0.7%	136
WIST7017	153	5.3%	2,895	3	5.1%	59	17	4.3%	393	1	1.5%	67	5	1.7%	293	1	2.3%	43
WIST7018	22	2.2%	1,021	1	5.6%	18	4	3.2%	124	-	0.0%	27	2	1.7%	115	-	0.0%	22
WIST7020	53	4.8%	1,093	-	0.0%	21	2	1.7%	121	1	4.5%	22	7	6.9%	101	-	0.0%	22
WIST7021	83	6.4%	1,303	1	2.6%	38	9	5.3%	169	-	0.0%	34	5	4.7%	107	-	0.0%	21
WIST7022	75	2.5%	3,033	2	3.6%	55	7	1.7%	420	2	3.6%	56	2	0.6%	318	2	3.8%	52
WIST7023	166	5.8%	2,883	9	9.7%	93	11	3.3%	338	5	6.6%	76	6	2.5%	237	3	5.4%	56
WIST7024	82	6.0%	1,373	4	8.5%	47	5	3.1%	162	-	0.0%	26	1	0.8%	121	-	0.0%	29
WIST7025	28	3.0%	944	-	0.0%	15	2	1.6%	127	-	0.0%	27	-	0.0%	91	1	4.5%	22
WIST7027	118	13.9%	849	4	11.1%	36	4	4.5%	89	3	11.1%	27	3	6.0%	50	-	0.0%	19
WIST7030	381	5.5%	6,925	14	7.1%	198	29	3.5%	822	5	2.5%	198	18	2.9%	614	5	2.9%	173
WIST7031	35	2.7%	1,308	3	13.0%	23	2	1.0%	191	-	0.0%	32	-	0.0%	152	1	4.5%	22
WIST7032	271	11.4%	2,368	10	11.0%	91	14	5.9%	237	7	8.6%	81	5	3.4%	145	2	3.6%	56
WIST7033	371	7.2%	5,124	10	6.0%	167	25	4.4%	568	5	3.8%	133	12	3.5%	344	-	0.0%	82
WIST7036	363	7.0%	5,166	10	6.0%	167	24	4.0%	607	5	4.8%	105	12	2.8%	424	-	0.0%	101
WIST7039	33	2.2%	1,528	-	0.0%	30	2	1.0%	208	-	0.0%	31	2	1.3%	157	-	0.0%	18
WIST7040	77	2.4%	3,216	2	3.0%	66	15	3.4%	447	2	3.0%	67	7	2.0%	350	-	0.0%	55
WIST7041	181	4.3%	4,187	1	1.1%	91	15	2.4%	634	5	4.5%	111	11	2.4%	457	2	2.4%	83
WIST7042	267	3.4%	7,764	3	2.2%	134	23	2.2%	1,030	2	1.2%	166	11	1.4%	793	3	2.2%	138
WIST7044	109	2.8%	3,843	-	0.0%	90	11	2.1%	529	2	2.3%	88	7	1.8%	383	-	0.0%	80
WIST7045	230	4.0%	5,700	6	4.5%	132	32	4.1%	779	6	4.4%	135	12	2.1%	572	-	0.0%	99
WIST7046	265	9.8%	2,704	8	8.9%	90	8	3.0%	271	3	3.6%	84	4	2.3%	172	2	3.6%	56
WIST7049	69	2.7%	2,582	1	1.9%	54	11	3.0%	366	1	1.8%	55	-	0.0%	256	1	2.3%	44
WIST7052	272	3.6%	7,521	6	3.8%	158	24	2.2%	1,067	4	2.1%	190	19	2.5%	771	3	1.8%	167
WIST7053	95	4.6%	2,047	3	4.8%	63	14	5.1%	273	-	0.0%	48	8	4.4%	182	-	0.0%	33
WIST7054	28	2.4%	1,163	-	0.0%	25	1	0.8%	133	-	0.0%	21	1	0.9%	112	-	0.0%	15
WIST7055	208	4.3%	4,869	5	4.1%	122	15	2.6%	584	4	3.4%	117	4	0.9%	426	-	0.0%	98
WIST7056	132	3.2%	4,121	4	4.0%	101	11	1.9%	567	2	2.1%	96	6	1.6%	381	1	1.2%	84
WIST7061	57	4.6%	1,250	1	5.0%	20	11	6.7%	165	1	4.5%	22	4	3.4%	119	-	0.0%	28
WIST7062	104	3.3%	3,119	1	1.9%	54	12	2.8%	432	-	0.0%	75	6	2.1%	287	1	1.7%	59

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Station ID	All Initial Tests			2006			2007			2008			2009			2010		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7064	90	2.3%	3,852	2	3.3%	60	12	2.3%	533	1	1.1%	93	7	1.5%	464	1	1.2%	83
WIST7065	300	5.6%	5,366	11	7.3%	150	26	3.7%	708	4	3.3%	122	10	2.6%	389	2	1.9%	103
WIST7067	50	3.4%	1,451	1	3.8%	26	5	2.6%	194	1	3.4%	29	3	1.9%	156	-	0.0%	23
WIST7068	100	3.3%	2,989	5	7.2%	69	18	4.5%	399	-	0.0%	82	9	2.9%	306	-	0.0%	63
WIST7069	255	3.8%	6,787	3	2.2%	137	26	2.7%	958	3	1.8%	163	11	1.6%	701	2	1.5%	131
WIST7070	44	2.3%	1,934	-	0.0%	26	6	2.2%	270	1	2.4%	41	3	1.4%	211	-	0.0%	49
WIST7071	188	4.3%	4,337	4	3.4%	117	13	2.5%	518	1	0.9%	114	7	1.6%	434	4	4.8%	84
WIST7072	165	4.6%	3,618	6	8.8%	68	21	4.1%	512	-	0.0%	86	9	2.4%	373	2	2.8%	71
WIST7073	234	6.2%	3,791	4	4.1%	98	21	4.7%	450	3	2.4%	127	13	3.9%	330	-	0.0%	81
WIST7074	858	7.3%	11,791	23	4.7%	490	57	4.5%	1,261	9	2.1%	436	9	1.4%	643	3	1.3%	226
WIST7075	81	2.9%	2,823	-	0.0%	33	13	3.7%	356	1	1.8%	56	6	2.2%	269	-	0.0%	51
WIST7076	218	3.1%	6,947	5	3.5%	144	18	1.9%	958	5	3.0%	165	12	1.7%	703	2	1.5%	131
WIST7078	51	1.7%	3,039	1	1.4%	73	7	1.8%	386	1	1.6%	61	2	0.6%	317	-	0.0%	63
WIST7079	196	9.8%	2,002	6	7.9%	76	12	5.2%	231	5	6.1%	82	5	4.1%	123	2	4.8%	42
WIST7080	137	3.3%	4,100	2	1.9%	103	12	2.4%	497	1	0.9%	110	5	1.3%	381	2	2.4%	82
WIST7081	348	7.1%	4,894	13	7.9%	164	26	4.3%	608	7	4.6%	153	10	2.4%	416	3	3.4%	89
WIST7083	350	3.7%	9,483	10	4.4%	228	38	2.9%	1,302	4	1.6%	253	17	1.9%	882	4	2.0%	202
WIST7086	25	2.7%	931	2	8.3%	24	3	2.3%	133	-	0.0%	20	2	2.2%	92	-	0.0%	25
WIST7088	49	6.4%	763	2	8.7%	23	2	2.6%	77	1	5.9%	17	1	1.9%	52	-	0.0%	16
WIST7090	28	5.4%	520	-	0.0%	16	1	1.3%	75	-	0.0%	13	3	5.5%	55	-	0.0%	7
WIST7092	68	3.8%	1,795	1	2.9%	35	7	3.1%	229	1	2.5%	40	4	2.2%	185	-	0.0%	31
WIST7093	118	3.3%	3,593	4	5.5%	73	17	3.4%	498	3	3.7%	81	3	0.8%	387	2	3.1%	65
WIST7094	135	3.3%	4,045	-	0.0%	79	25	4.3%	577	-	0.0%	93	4	1.0%	413	-	0.0%	48
WIST7095	52	3.6%	1,443	1	5.0%	20	6	3.3%	182	-	0.0%	27	3	2.0%	152	-	0.0%	23
WIST7098	163	5.0%	3,251	3	5.1%	59	10	2.1%	483	2	2.4%	82	4	1.1%	354	2	3.2%	63
WIST7103	134	4.1%	3,294	2	3.3%	61	11	2.3%	482	1	1.2%	84	3	1.0%	301	2	3.8%	52
WIST7106	80	1.8%	4,420	-	0.0%	81	8	1.2%	653	2	1.7%	117	5	0.8%	609	-	0.0%	99
WIST7108	349	4.5%	7,807	12	6.5%	186	40	3.8%	1,049	4	2.2%	186	10	1.5%	646	1	0.7%	142
WIST7109	248	5.2%	4,810	4	3.4%	119	17	2.6%	657	3	2.5%	119	7	1.7%	410	5	4.9%	102
WIST7113	150	4.4%	3,404	4	5.1%	78	11	2.5%	442	3	3.2%	95	7	2.1%	341	2	2.8%	71
WIST7115	5	2.1%	236	-	0.0%	3	1	2.5%	40	-	0.0%	5	-	0.0%	24	-	0.0%	3
WIST7116	169	2.7%	6,327	6	4.0%	150	19	2.2%	871	6	3.4%	179	8	1.2%	685	1	0.7%	141
WIST7117	247	5.2%	4,742	6	5.7%	105	21	3.3%	631	4	3.3%	122	10	2.4%	415	1	1.2%	83
WIST7118	136	5.1%	2,663	4	6.3%	63	8	2.4%	328	6	8.1%	74	8	3.1%	259	-	0.0%	63
WIST7119	97	3.3%	2,967	1	1.7%	60	15	3.6%	416	4	5.9%	68	5	1.6%	304	-	0.0%	57
WIST7120	135	11.6%	1,167	4	9.1%	44	5	4.3%	115	4	9.1%	44	4	5.7%	70	-	0.0%	23
WIST7121	48	2.1%	2,237	3	6.7%	45	3	1.1%	273	1	2.2%	45	2	0.8%	255	-	0.0%	40
WIST7123	106	3.3%	3,188	3	3.6%	84	14	3.4%	415	3	4.8%	63	3	1.0%	301	1	1.3%	77
WIST7124	117	4.3%	2,737	2	2.8%	72	15	3.7%	408	4	4.6%	87	4	1.4%	291	1	1.8%	57

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Station ID	All Initial Tests			2006			2007			2008			2009			2010		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7125	205	11.1%	1,853	11	12.4%	89	14	8.0%	174	5	6.8%	73	7	6.4%	110	1	2.0%	50
WIST7126	67	6.7%	996	4	14.8%	27	13	9.2%	141	3	10.7%	28	1	1.2%	81	1	4.2%	24
WIST7127	155	3.6%	4,330	4	3.8%	105	21	3.6%	579	3	2.5%	119	6	1.3%	472	2	1.9%	105
WIST7128	12	3.3%	361	-	0.0%	2	-	0.0%	42	1	12.5%	8	-	0.0%	28	-	0.0%	8
WIST7129	6	2.7%	221	-	0.0%	7	-	Fail %	29	-	0.0%	13	-	0.0%	16	-	0.0%	4
WIST8001	70	4.8%	1,457	5	16.1%	31	10	5.3%	190	1	2.9%	34	-	0.0%	142	1	2.8%	36
WIST8002	192	3.4%	5,603	6	6.1%	98	25	3.1%	813	2	1.4%	138	11	1.8%	601	2	1.6%	126
WIST8003	7	33.3%	21	-	#DIV/0!	-	-	#DIV/0!	-	1	50.0%	2	-	#DIV/0!	-	1	33.3%	3
WIST8004	1,027	10.6%	9,653	24	6.3%	380	54	6.4%	838	17	5.0%	339	16	3.7%	431	3	1.6%	187
WIST8005	358	7.8%	4,582	15	9.6%	157	40	6.8%	586	10	6.2%	162	16	4.2%	384	3	2.7%	111
WIST8006	791	6.5%	12,105	32	8.5%	378	68	4.4%	1,543	16	4.6%	349	33	2.7%	1,229	7	2.3%	302
WIST8007	269	4.9%	5,543	5	3.1%	162	25	3.3%	749	2	1.5%	130	7	1.2%	576	4	3.4%	119
WIST8008	320	10.6%	3,008	11	10.6%	104	17	5.3%	320	4	4.8%	84	13	6.1%	214	1	1.9%	54
WIST8009	87	4.0%	2,180	1	2.6%	39	14	4.7%	300	1	1.8%	56	7	3.5%	199	1	2.3%	43
WIST8010	26	4.3%	609	2	12.5%	16	2	2.4%	82	-	0.0%	14	-	0.0%	50	-	0.0%	9
WIST8011	220	4.6%	4,825	4	3.8%	105	29	4.5%	642	2	1.6%	126	10	2.4%	425	-	0.0%	94
WISTT001	92	3.0%	3,083	1	2.8%	36	8	1.9%	413	2	2.1%	95	6	1.9%	320	-	0.0%	56
WISTT002	139	9.3%	1,489	5	11.4%	44	10	5.8%	171	1	2.8%	36	3	2.5%	119	-	0.0%	13
WISTT003	489	10.1%	4,839	14	8.4%	167	35	6.5%	538	12	7.4%	162	11	3.0%	362	3	2.9%	102
WISTT005	132	4.3%	3,094	8	11.8%	68	23	5.8%	399	5	5.4%	92	6	1.9%	317	2	3.4%	59
WISTT006	115	4.3%	2,678	-	0.0%	66	10	2.6%	379	2	3.3%	61	6	2.7%	221	-	0.0%	56
Total	32,512	5.1%	634,669	908	5.5%	16,391	2,932	3.6%	81,019	568	3.4%	16,924	1,242	2.2%	57,732	231	1.8%	12,967

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Station ID	All Initial Tests			2011			2012			2013			2014			2015		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST1002	140	7.1%	1,967	2	1.5%	136	-	0.0%	15	1	0.8%	133	-	0.0%	2	-	0.0%	2
WIST1003	43	3.6%	1,199	4	2.5%	163	-	0.0%	6	1	0.6%	155	-	0.0%	3	-	0.0%	3
WIST1012	29	3.3%	886	3	3.1%	97	-	0.0%	10	-	0.0%	95	-	0.0%	6	-	0.0%	1
WIST1013	40	2.9%	1,359	-	0.0%	198	-	0.0%	11	1	0.6%	156	-	0.0%	5	-	0.0%	3
WIST1014	54	5.6%	971	-	0.0%	88	-	0.0%	6	-	0.0%	72	-	0.0%	2	-	0.0%	1
WIST1015	243	3.2%	7,588	11	1.1%	1,037	2	2.9%	70	4	0.4%	1,085	-	0.0%	12	-	0.0%	11
WIST1016	18	4.5%	399	2	6.1%	33	-	0.0%	3	-	0.0%	47	-	0.0%	3	-	#DIV/0!	-
WIST1017	378	8.3%	4,561	9	1.9%	486	-	0.0%	57	4	0.8%	501	1	3.7%	27	1	12.5%	8
WIST1018	17	4.5%	378	-	0.0%	33	-	0.0%	4	-	0.0%	32	-	0.0%	5	-	0.0%	1
WIST2001	44	4.0%	1,101	1	1.0%	103	-	0.0%	16	1	0.9%	117	-	#DIV/0!	-	-	#DIV/0!	-
WIST2003	47	3.7%	1,266	1	0.6%	174	-	0.0%	12	2	1.2%	170	-	0.0%	3	-	0.0%	3
WIST2014	132	10.5%	1,256	5	5.7%	87	-	0.0%	6	2	2.5%	80	-	0.0%	3	-	0.0%	2
WIST2015	95	3.2%	2,985	3	0.7%	433	-	0.0%	37	-	0.0%	419	1	3.2%	31	1	10.0%	10
WIST2017	65	3.2%	2,017	4	1.1%	359	-	0.0%	27	1	0.3%	360	-	0.0%	22	-	0.0%	3
WIST2018	195	4.0%	4,834	5	0.8%	618	1	1.8%	55	2	0.3%	609	1	4.8%	21	1	11.1%	9
WIST2019	41	5.0%	813	4	5.3%	75	-	0.0%	7	1	1.1%	92	-	0.0%	5	-	#DIV/0!	-
WIST2020	245	3.5%	6,970	6	0.6%	1,023	2	3.2%	63	3	0.3%	1,137	-	0.0%	13	-	0.0%	13
WIST2021	60	4.8%	1,239	1	0.8%	127	-	0.0%	19	-	0.0%	182	-	0.0%	8	-	#DIV/0!	-
WIST2023	29	3.9%	738	1	1.5%	66	-	0.0%	10	-	0.0%	84	1	12.5%	8	-	#DIV/0!	-
WIST2024	107	5.0%	2,144	9	3.3%	274	1	2.5%	40	3	1.0%	298	2	7.7%	26	-	0.0%	1
WIST2025	59	3.9%	1,527	3	1.5%	205	-	0.0%	23	2	0.7%	268	-	0.0%	15	-	0.0%	4
WIST2026	128	3.2%	3,984	13	2.3%	558	-	0.0%	61	2	0.3%	598	-	0.0%	51	-	0.0%	8
WIST3003	70	4.8%	1,464	4	2.5%	157	-	0.0%	12	3	2.0%	149	-	0.0%	20	-	0.0%	3
WIST3005	88	2.8%	3,113	5	1.1%	437	-	0.0%	27	2	0.4%	506	1	3.4%	29	-	0.0%	3
WIST3006	72	4.2%	1,733	2	1.1%	178	-	0.0%	20	2	1.1%	180	-	0.0%	9	-	#DIV/0!	-
WIST3013	271	7.1%	3,825	2	0.4%	460	6	8.3%	72	11	2.2%	505	1	2.5%	40	1	7.7%	13
WIST3014	135	8.0%	1,694	4	3.0%	133	-	0.0%	13	-	0.0%	153	-	0.0%	6	-	0.0%	1
WIST3016	350	7.3%	4,781	8	1.9%	422	1	2.7%	37	2	0.5%	385	-	0.0%	20	-	0.0%	8
WIST3018	178	11.2%	1,583	3	2.4%	123	-	0.0%	15	1	0.9%	107	-	0.0%	3	-	0.0%	1
WIST3021	38	3.3%	1,157	-	0.0%	135	-	0.0%	18	-	0.0%	189	-	0.0%	17	-	#DIV/0!	-
WIST3022	1	0.7%	153	-	0.0%	11	-	0.0%	2	-	0.0%	14	-	#DIV/0!	-	-	#DIV/0!	-
WIST3023	27	2.2%	1,204	-	0.0%	191	-	0.0%	20	1	0.4%	247	-	0.0%	20	-	0.0%	4
WIST3024	64	5.5%	1,173	2	1.6%	122	-	0.0%	10	1	0.6%	155	1	8.3%	12	-	#DIV/0!	-
WIST3025	19	5.4%	354	1	2.3%	43	-	0.0%	4	-	0.0%	33	-	0.0%	8	-	#DIV/0!	-
WIST3028	2	5.7%	35	-	0.0%	3	-	0.0%	2	-	0.0%	7	-	0.0%	2	-	#DIV/0!	-
WIST4002	45	4.3%	1,038	2	1.4%	143	-	0.0%	7	1	0.8%	131	-	0.0%	9	-	0.0%	2
WIST4003	150	4.1%	3,629	2	0.5%	420	1	3.2%	31	2	0.4%	501	1	5.3%	19	1	7.7%	13
WIST4004	132	4.0%	3,318	7	1.7%	411	-	0.0%	30	-	0.0%	424	-	0.0%	19	-	0.0%	7
WIST4006	206	3.2%	6,527	7	0.8%	917	-	0.0%	86	7	0.8%	908	2	5.0%	40	-	0.0%	6

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Station ID	All Initial Tests			2011			2012			2013			2014			2015		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST4009	81	4.0%	2,020	2	0.8%	245	-	0.0%	18	2	0.7%	279	-	0.0%	4	-	0.0%	1
WIST4014	31	3.9%	800	-	0.0%	90	-	0.0%	6	-	0.0%	86	-	0.0%	4	-	0.0%	1
WIST4017	143	3.8%	3,744	6	1.3%	463	-	0.0%	43	4	0.8%	527	-	0.0%	22	-	#DIV/0!	-
WIST4019	83	5.3%	1,554	3	2.2%	135	-	0.0%	7	-	0.0%	108	-	0.0%	6	-	0.0%	1
WIST4026	69	2.8%	2,476	2	0.5%	388	1	2.6%	38	1	0.2%	474	1	4.3%	23	1	7.7%	13
WIST4031	199	6.1%	3,264	2	0.7%	293	1	5.3%	19	2	0.8%	261	-	0.0%	13	-	0.0%	1
WIST4032	801	13.8%	5,817	9	2.3%	383	-	0.0%	50	3	1.0%	292	-	0.0%	15	-	0.0%	11
WIST4039	29	2.9%	996	-	0.0%	145	-	0.0%	3	-	0.0%	167	-	0.0%	12	-	#DIV/0!	-
WIST4040	31	1.5%	2,130	2	0.7%	278	-	0.0%	19	1	0.3%	367	-	0.0%	19	-	0.0%	4
WIST4042	263	5.9%	4,440	5	1.4%	362	-	0.0%	31	3	0.8%	361	-	0.0%	25	1	11.1%	9
WIST4043	738	6.3%	11,639	10	1.1%	944	1	1.2%	84	6	0.7%	844	2	3.9%	51	1	5.6%	18
WIST4044	708	9.3%	7,619	14	2.2%	648	6	7.5%	80	7	1.1%	641	3	11.5%	26	-	0.0%	18
WIST4045	115	4.8%	2,412	3	1.0%	310	-	0.0%	21	2	0.7%	285	-	0.0%	18	-	0.0%	1
WIST4048	143	5.3%	2,673	5	1.5%	335	-	0.0%	19	3	0.8%	355	1	5.3%	19	-	0.0%	3
WIST4049	47	5.0%	940	7	6.0%	116	-	0.0%	14	-	0.0%	106	-	0.0%	5	-	#DIV/0!	-
WIST4050	53	2.4%	2,254	-	0.0%	345	-	0.0%	22	1	0.3%	400	1	3.7%	27	-	0.0%	1
WIST4051	124	5.0%	2,457	4	1.3%	297	-	0.0%	18	1	0.4%	255	-	0.0%	7	-	0.0%	4
WIST4052	5	11.1%	45	-	0.0%	1	-	#DIV/0!	-	-	#DIV/0!	-	-	#DIV/0!	-	-	0.0%	1
WIST4053	11	7.4%	148	-	0.0%	21	-	0.0%	1	-	0.0%	7	-	0.0%	1	-	0.0%	1
WIST4054	93	4.6%	2,024	2	0.9%	223	-	0.0%	16	-	0.0%	245	-	0.0%	17	-	0.0%	6
WIST4055	46	5.6%	827	2	2.1%	97	-	0.0%	3	-	0.0%	81	1	8.3%	12	-	0.0%	1
WIST5003	169	7.5%	2,249	1	0.4%	223	-	0.0%	35	5	2.2%	224	1	7.1%	14	-	0.0%	9
WIST5004	92	3.6%	2,551	4	1.2%	332	-	0.0%	22	1	0.3%	350	1	7.1%	14	-	0.0%	3
WIST5005	74	4.4%	1,691	2	1.3%	149	-	0.0%	9	1	0.7%	142	-	0.0%	6	-	#DIV/0!	-
WIST5007	13	3.3%	399	1	2.0%	49	-	0.0%	2	-	0.0%	52	-	0.0%	3	-	#DIV/0!	-
WIST5008	329	4.4%	7,528	7	0.8%	833	-	0.0%	54	4	0.5%	829	-	0.0%	30	-	0.0%	5
WIST5009	34	2.6%	1,287	2	0.8%	240	-	0.0%	12	2	0.8%	239	-	0.0%	17	-	#DIV/0!	-
WIST5011	61	2.1%	2,884	7	1.4%	500	-	0.0%	36	1	0.2%	495	-	0.0%	34	-	0.0%	6
WIST5012	73	2.7%	2,699	2	0.6%	338	-	0.0%	26	-	0.0%	336	-	0.0%	24	-	0.0%	3
WIST5014	273	4.1%	6,691	11	1.2%	901	-	0.0%	77	13	1.3%	1,012	-	0.0%	60	-	0.0%	10
WIST5015	233	8.6%	2,718	5	2.3%	213	-	0.0%	25	2	0.9%	221	-	0.0%	9	-	0.0%	1
WIST5017	88	5.1%	1,713	-	0.0%	173	-	0.0%	20	1	0.6%	164	-	0.0%	11	-	0.0%	3
WIST5021	52	4.9%	1,067	1	0.8%	124	-	0.0%	10	1	0.8%	133	-	0.0%	7	-	#DIV/0!	-
WIST5023	20	3.2%	628	-	0.0%	65	-	0.0%	7	-	0.0%	64	1	20.0%	5	-	0.0%	1
WIST5028	9	2.3%	389	-	0.0%	62	-	0.0%	4	-	0.0%	60	-	0.0%	2	-	0.0%	2
WIST5029	309	4.3%	7,130	8	0.8%	955	-	0.0%	90	5	0.5%	988	-	0.0%	49	-	0.0%	17
WIST5036	20	4.7%	422	2	4.3%	47	2	25.0%	8	-	0.0%	45	-	0.0%	3	-	#DIV/0!	-
WIST5037	69	4.0%	1,738	1	0.5%	213	-	0.0%	17	-	0.0%	231	1	7.7%	13	-	0.0%	2
WIST5040	31	2.5%	1,258	-	0.0%	127	-	0.0%	8	1	0.7%	146	-	0.0%	6	-	0.0%	2

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Station ID	All Initial Tests			2011			2012			2013			2014			2015		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST5041	37	2.2%	1,651	2	0.8%	236	-	0.0%	18	-	0.0%	258	1	9.1%	11	-	0.0%	1
WIST5044	31	3.7%	846	-	0.0%	131	-	0.0%	10	1	0.6%	157	1	5.0%	20	-	0.0%	7
WIST5045	19	3.7%	515	-	0.0%	62	-	0.0%	7	-	0.0%	45	-	0.0%	4	-	0.0%	1
WIST5047	8	2.7%	294	1	2.6%	39	-	0.0%	4	-	0.0%	29	-	0.0%	3	-	#DIV/0!	-
WIST5049	101	3.3%	3,043	2	0.5%	420	2	6.1%	33	-	0.0%	394	-	0.0%	10	-	0.0%	1
WIST5053	37	3.6%	1,033	-	0.0%	99	-	0.0%	4	-	0.0%	84	-	0.0%	7	-	0.0%	1
WIST5055	433	6.9%	6,305	8	1.2%	649	-	0.0%	63	4	0.7%	612	1	3.4%	29	-	0.0%	11
WIST5056	16	11.4%	140	-	0.0%	9	-	0.0%	2	-	0.0%	13	-	0.0%	1	-	0.0%	1
WIST5058	71	5.5%	1,298	3	2.3%	131	-	0.0%	13	1	0.9%	114	-	0.0%	3	-	0.0%	2
WIST5061	81	3.3%	2,490	3	1.1%	272	-	0.0%	21	1	0.4%	236	-	0.0%	11	-	0.0%	4
WIST5066	203	6.2%	3,299	6	1.7%	350	-	0.0%	27	3	1.0%	306	-	0.0%	15	-	0.0%	5
WIST5069	676	10.6%	6,355	9	2.2%	416	-	0.0%	65	8	2.2%	359	-	0.0%	22	-	0.0%	14
WIST5070	13	8.4%	155	-	0.0%	14	1	11.1%	9	-	0.0%	15	-	#DIV/0!	-	-	0.0%	1
WIST5071	424	6.0%	7,060	10	1.2%	826	2	2.7%	74	8	0.9%	844	2	5.4%	37	-	0.0%	10
WIST5074	278	5.8%	4,797	6	1.2%	513	-	0.0%	50	9	1.9%	485	-	0.0%	19	1	20.0%	5
WIST5075	62	10.5%	591	3	6.3%	48	-	0.0%	4	1	2.9%	35	-	0.0%	3	-	0.0%	2
WIST5076	106	4.8%	2,214	5	2.1%	243	-	0.0%	30	2	1.0%	201	-	0.0%	17	-	0.0%	2
WIST5077	26	2.8%	922	3	1.9%	154	-	0.0%	9	2	1.7%	117	1	8.3%	12	-	#DIV/0!	-
WIST6001	691	8.0%	8,641	13	1.8%	721	-	0.0%	48	3	0.4%	718	-	0.0%	28	-	0.0%	4
WIST6004	161	3.1%	5,185	10	1.4%	701	-	0.0%	49	1	0.1%	749	-	0.0%	33	-	0.0%	1
WIST6007	39	4.1%	958	-	0.0%	91	-	0.0%	8	1	1.3%	80	-	0.0%	4	-	#DIV/0!	-
WIST6012	50	5.4%	934	3	2.3%	129	-	0.0%	13	-	0.0%	114	-	0.0%	7	-	#DIV/0!	-
WIST6013	76	3.1%	2,462	5	1.4%	353	-	0.0%	33	2	0.5%	373	-	0.0%	20	-	0.0%	2
WIST6014	55	4.6%	1,200	-	0.0%	110	-	0.0%	11	-	0.0%	116	-	0.0%	9	-	0.0%	2
WIST6016	148	5.9%	2,492	6	1.9%	321	1	5.3%	19	3	1.0%	309	-	0.0%	16	-	0.0%	3
WIST6018	370	7.2%	5,111	12	2.8%	436	3	9.4%	32	3	0.6%	476	-	0.0%	23	-	0.0%	2
WIST6021	51	3.4%	1,485	3	1.5%	205	-	0.0%	19	-	0.0%	200	-	0.0%	11	-	0.0%	2
WIST6022	43	2.8%	1,554	2	0.9%	221	-	0.0%	12	2	0.7%	306	1	4.5%	22	-	0.0%	2
WIST6026	29	2.9%	995	3	2.5%	120	-	0.0%	10	-	0.0%	214	-	0.0%	11	-	#DIV/0!	-
WIST6030	57	2.5%	2,269	3	0.8%	374	-	0.0%	34	-	0.0%	369	-	0.0%	17	-	0.0%	4
WIST6031	43	4.3%	996	4	3.0%	134	-	0.0%	22	-	0.0%	160	1	6.7%	15	-	0.0%	3
WIST6033	32	3.4%	943	1	0.6%	155	-	0.0%	12	2	1.1%	181	-	0.0%	12	-	0.0%	2
WIST6034	37	2.7%	1,359	1	0.5%	202	-	0.0%	21	1	0.5%	207	1	6.3%	16	-	0.0%	2
WIST6035	117	6.9%	1,707	1	0.7%	152	1	5.9%	17	3	1.5%	205	-	0.0%	11	-	0.0%	1
WIST6036	13	1.7%	775	-	0.0%	91	-	0.0%	6	-	0.0%	107	-	0.0%	4	-	#DIV/0!	-
WIST6037	345	8.6%	3,993	12	3.6%	337	-	0.0%	31	5	1.7%	291	-	0.0%	13	-	0.0%	3
WIST6038	39	4.4%	883	-	0.0%	95	-	0.0%	8	1	0.9%	108	-	#DIV/0!	-	-	0.0%	2
WIST6039	44	3.2%	1,359	-	0.0%	223	-	0.0%	24	2	0.7%	283	-	0.0%	18	-	0.0%	4
WIST6040	306	7.8%	3,906	8	3.0%	265	-	0.0%	38	1	0.4%	260	1	7.1%	14	-	0.0%	7

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Station ID	All Initial Tests			2011			2012			2013			2014			2015		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST6041	109	3.3%	3,342	5	1.1%	470	-	0.0%	54	3	0.6%	535	-	0.0%	60	-	0.0%	6
WIST7003	500	5.9%	8,460	17	1.8%	933	1	1.3%	75	4	0.4%	970	-	0.0%	47	-	0.0%	6
WIST7004	281	6.4%	4,387	3	0.7%	447	2	5.4%	37	4	0.9%	429	1	3.3%	30	-	0.0%	5
WIST7006	39	3.7%	1,048	2	1.5%	134	-	0.0%	15	1	0.6%	168	-	0.0%	14	-	0.0%	5
WIST7007	54	4.8%	1,128	2	1.2%	168	-	0.0%	9	1	0.7%	137	-	0.0%	7	-	#DIV/0!	-
WIST7009	138	4.2%	3,259	1	0.3%	397	-	0.0%	36	3	0.7%	425	-	0.0%	25	-	0.0%	5
WIST7011	243	5.5%	4,430	2	0.4%	461	-	0.0%	36	4	0.8%	495	-	0.0%	28	-	0.0%	6
WIST7014	239	4.3%	5,623	8	1.2%	673	2	3.2%	62	1	0.1%	672	-	0.0%	34	-	0.0%	3
WIST7015	49	4.7%	1,052	1	0.8%	128	-	0.0%	11	2	1.3%	156	-	0.0%	7	-	#DIV/0!	-
WIST7016	242	3.2%	7,468	13	1.2%	1,084	-	0.0%	77	3	0.3%	1,148	-	0.0%	50	-	0.0%	9
WIST7017	153	5.3%	2,895	2	0.6%	343	-	0.0%	15	2	0.5%	393	-	0.0%	7	-	0.0%	1
WIST7018	22	2.2%	1,021	1	0.7%	150	-	0.0%	25	2	1.1%	183	1	6.7%	15	-	0.0%	4
WIST7020	53	4.8%	1,093	-	0.0%	145	-	0.0%	7	2	1.6%	125	-	0.0%	4	-	#DIV/0!	-
WIST7021	83	6.4%	1,303	4	3.3%	120	-	0.0%	10	-	0.0%	106	-	#DIV/0!	-	-	#DIV/0!	-
WIST7022	75	2.5%	3,033	4	0.9%	430	-	0.0%	22	1	0.2%	450	-	0.0%	20	1	25.0%	4
WIST7023	166	5.8%	2,883	4	1.6%	250	-	0.0%	17	1	0.4%	241	1	7.7%	13	-	0.0%	1
WIST7024	82	6.0%	1,373	1	0.7%	148	1	10.0%	10	-	0.0%	152	-	0.0%	9	-	0.0%	1
WIST7025	28	3.0%	944	4	3.1%	127	1	20.0%	5	1	0.8%	133	-	0.0%	9	-	0.0%	1
WIST7027	118	13.9%	849	3	5.3%	57	-	0.0%	7	1	2.4%	42	-	0.0%	5	-	0.0%	1
WIST7030	381	5.5%	6,925	6	0.8%	768	2	2.8%	72	5	0.7%	747	-	0.0%	44	-	0.0%	2
WIST7031	35	2.7%	1,308	3	1.4%	212	1	5.6%	18	1	0.4%	234	-	0.0%	8	-	0.0%	1
WIST7032	271	11.4%	2,368	4	2.4%	168	-	0.0%	14	2	1.2%	168	-	0.0%	5	-	0.0%	3
WIST7033	371	7.2%	5,124	3	0.7%	453	1	3.3%	30	2	0.5%	416	-	0.0%	19	-	0.0%	4
WIST7036	363	7.0%	5,166	6	1.3%	473	2	6.3%	32	3	0.7%	453	-	0.0%	15	-	0.0%	3
WIST7039	33	2.2%	1,528	2	1.0%	210	-	0.0%	16	-	0.0%	183	-	0.0%	12	-	0.0%	3
WIST7040	77	2.4%	3,216	4	0.9%	458	1	3.0%	33	1	0.2%	418	-	0.0%	31	-	0.0%	5
WIST7041	181	4.3%	4,187	6	1.3%	448	-	0.0%	44	4	0.7%	570	-	0.0%	21	-	0.0%	8
WIST7042	267	3.4%	7,764	8	0.8%	975	-	0.0%	66	3	0.3%	1,020	1	2.4%	42	-	0.0%	10
WIST7044	109	2.8%	3,843	2	0.4%	448	-	0.0%	43	1	0.2%	512	1	4.0%	25	-	0.0%	5
WIST7045	230	4.0%	5,700	11	1.4%	792	-	0.0%	47	5	0.7%	761	-	0.0%	43	-	0.0%	12
WIST7046	265	9.8%	2,704	2	1.2%	165	1	7.7%	13	1	0.7%	137	-	0.0%	5	-	0.0%	1
WIST7049	69	2.7%	2,582	3	0.8%	395	-	0.0%	29	1	0.3%	364	-	0.0%	20	1	12.5%	8
WIST7052	272	3.6%	7,521	12	1.1%	1,065	-	0.0%	73	5	0.5%	1,088	-	0.0%	62	-	0.0%	8
WIST7053	95	4.6%	2,047	7	3.0%	233	2	10.0%	20	-	0.0%	226	-	0.0%	13	-	#DIV/0!	-
WIST7054	28	2.4%	1,163	-	0.0%	128	-	0.0%	5	1	0.7%	135	-	0.0%	9	-	#DIV/0!	-
WIST7055	208	4.3%	4,869	3	0.6%	507	-	0.0%	41	-	0.0%	491	-	0.0%	16	-	0.0%	6
WIST7056	132	3.2%	4,121	2	0.5%	443	-	0.0%	43	-	0.0%	448	1	3.4%	29	-	0.0%	2
WIST7061	57	4.6%	1,250	2	1.4%	142	-	0.0%	14	-	0.0%	144	-	0.0%	7	-	0.0%	1
WIST7062	104	3.3%	3,119	2	0.6%	341	-	0.0%	35	1	0.3%	333	-	0.0%	32	-	0.0%	1

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Station ID	All Initial Tests			2011			2012			2013			2014			2015		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7064	90	2.3%	3,852	7	1.2%	590	1	2.0%	51	2	0.3%	786	1	3.4%	29	-	0.0%	3
WIST7065	300	5.6%	5,366	1	0.2%	467	-	0.0%	35	1	0.2%	410	-	0.0%	31	-	0.0%	6
WIST7067	50	3.4%	1,451	2	1.1%	189	-	0.0%	12	1	0.5%	217	-	0.0%	11	-	#DIV/0!	-
WIST7068	100	3.3%	2,989	7	1.7%	404	-	0.0%	25	-	0.0%	416	-	0.0%	23	-	0.0%	5
WIST7069	255	3.8%	6,787	6	0.7%	895	-	0.0%	70	3	0.3%	963	1	2.1%	48	-	0.0%	13
WIST7070	44	2.3%	1,934	6	2.2%	273	-	0.0%	20	1	0.4%	273	-	0.0%	14	-	0.0%	3
WIST7071	188	4.3%	4,337	7	1.3%	520	-	0.0%	31	1	0.2%	520	-	0.0%	27	-	0.0%	5
WIST7072	165	4.6%	3,618	4	0.8%	486	1	2.5%	40	6	1.3%	451	-	0.0%	25	-	0.0%	2
WIST7073	234	6.2%	3,791	6	1.4%	422	-	0.0%	38	5	1.2%	403	-	0.0%	20	-	0.0%	5
WIST7074	858	7.3%	11,791	16	2.5%	641	-	0.0%	42	2	0.5%	443	1	5.6%	18	-	0.0%	3
WIST7075	81	2.9%	2,823	2	0.6%	318	1	3.4%	29	1	0.3%	372	-	0.0%	7	-	0.0%	2
WIST7076	218	3.1%	6,947	6	0.7%	894	2	2.9%	70	3	0.3%	1,066	-	0.0%	40	-	0.0%	9
WIST7078	51	1.7%	3,039	-	0.0%	416	-	0.0%	26	-	0.0%	503	1	2.9%	35	-	0.0%	6
WIST7079	196	9.8%	2,002	5	3.0%	166	-	0.0%	19	-	0.0%	132	-	0.0%	11	-	0.0%	3
WIST7080	137	3.3%	4,100	7	1.3%	541	-	0.0%	45	3	0.6%	498	-	0.0%	34	-	0.0%	4
WIST7081	348	7.1%	4,894	7	1.5%	459	-	0.0%	45	4	0.9%	427	-	0.0%	27	1	7.1%	14
WIST7083	350	3.7%	9,483	11	0.9%	1,197	-	0.0%	102	5	0.4%	1,244	-	0.0%	67	-	0.0%	14
WIST7086	25	2.7%	931	-	0.0%	127	-	0.0%	16	-	0.0%	160	1	10.0%	10	-	0.0%	2
WIST7088	49	6.4%	763	2	2.2%	93	1	5.9%	17	1	1.2%	83	-	0.0%	1	-	0.0%	1
WIST7090	28	5.4%	520	1	1.7%	60	-	0.0%	2	-	0.0%	54	-	0.0%	1	-	#DIV/0!	-
WIST7092	68	3.8%	1,795	2	0.7%	267	-	0.0%	15	2	0.7%	273	-	0.0%	9	1	50.0%	2
WIST7093	118	3.3%	3,593	4	0.9%	445	1	3.4%	29	-	0.0%	463	1	3.8%	26	-	0.0%	5
WIST7094	135	3.3%	4,045	4	0.7%	595	-	0.0%	38	3	0.5%	628	-	0.0%	23	-	0.0%	6
WIST7095	52	3.6%	1,443	2	1.1%	188	-	0.0%	12	-	0.0%	196	-	0.0%	11	-	0.0%	2
WIST7098	163	5.0%	3,251	3	0.8%	383	-	0.0%	39	2	0.4%	453	-	0.0%	17	-	#DIV/0!	-
WIST7103	134	4.1%	3,294	3	0.8%	380	-	0.0%	32	1	0.3%	372	1	5.9%	17	-	0.0%	2
WIST7106	80	1.8%	4,420	5	0.7%	712	-	0.0%	43	1	0.1%	691	-	0.0%	48	-	0.0%	14
WIST7108	349	4.5%	7,807	9	1.1%	829	-	0.0%	61	5	0.6%	822	1	2.9%	34	-	0.0%	8
WIST7109	248	5.2%	4,810	9	1.6%	573	1	2.2%	45	4	0.7%	542	-	0.0%	31	-	0.0%	6
WIST7113	150	4.4%	3,404	4	0.9%	422	1	3.0%	33	6	1.3%	469	2	7.1%	28	-	0.0%	2
WIST7115	5	2.1%	236	1	2.6%	39	-	#DIV/0!	-	-	0.0%	27	-	0.0%	1	-	#DIV/0!	-
WIST7116	169	2.7%	6,327	7	0.8%	921	1	1.2%	85	6	0.7%	922	-	0.0%	52	-	0.0%	4
WIST7117	247	5.2%	4,742	4	0.9%	470	1	2.8%	36	2	0.4%	464	1	7.7%	13	-	0.0%	9
WIST7118	136	5.1%	2,663	6	2.2%	274	-	0.0%	19	2	0.6%	339	-	0.0%	12	-	0.0%	1
WIST7119	97	3.3%	2,967	5	1.1%	448	-	0.0%	43	1	0.2%	457	2	8.7%	23	-	0.0%	4
WIST7120	135	11.6%	1,167	5	5.8%	86	-	0.0%	9	1	1.3%	76	-	0.0%	4	-	0.0%	3
WIST7121	48	2.1%	2,237	4	1.0%	390	-	0.0%	28	-	0.0%	462	2	7.1%	28	-	0.0%	5
WIST7123	106	3.3%	3,188	6	1.3%	465	-	0.0%	38	3	0.5%	563	-	0.0%	19	-	0.0%	4
WIST7124	117	4.3%	2,737	3	0.8%	397	-	0.0%	29	1	0.3%	389	1	4.3%	23	-	0.0%	1

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Station ID	All Initial Tests			2011			2012			2013			2014			2015		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7125	205	11.1%	1,853	4	2.9%	137	1	3.7%	27	1	1.0%	103	1	25.0%	4	-	0.0%	4
WIST7126	67	6.7%	996	2	1.8%	110	-	0.0%	15	2	1.5%	133	1	14.3%	7	-	0.0%	4
WIST7127	155	3.6%	4,330	8	1.3%	607	-	0.0%	65	3	0.4%	677	1	3.3%	30	-	0.0%	7
WIST7128	12	3.3%	361	2	3.3%	60	-	0.0%	6	-	0.0%	99	-	0.0%	7	-	0.0%	1
WIST7129	6	2.7%	221	1	4.8%	21	-	#DIV/0!	-	-	0.0%	18	1	14.3%	7	-	#DIV/0!	-
WIST8001	70	4.8%	1,457	-	0.0%	206	1	10.0%	10	1	0.5%	216	-	0.0%	18	-	0.0%	3
WIST8002	192	3.4%	5,603	7	0.9%	775	1	1.4%	74	3	0.3%	862	1	2.8%	36	-	0.0%	5
WIST8003	7	33.3%	21	1	100.0%	1	-	0.0%	5	-	#DIV/0!	-	-	#DIV/0!	-	-	#DIV/0!	-
WIST8004	1,027	10.6%	9,653	8	1.7%	468	-	0.0%	55	3	1.1%	271	-	0.0%	21	-	0.0%	10
WIST8005	358	7.8%	4,582	9	1.8%	499	1	1.9%	54	3	0.7%	415	1	4.2%	24	-	0.0%	10
WIST8006	791	6.5%	12,105	19	1.3%	1,520	1	0.7%	147	11	0.8%	1,388	-	0.0%	67	-	0.0%	21
WIST8007	269	4.9%	5,543	8	1.2%	693	-	0.0%	51	2	0.3%	602	1	3.8%	26	-	0.0%	7
WIST8008	320	10.6%	3,008	5	2.3%	215	-	0.0%	19	3	1.8%	167	-	0.0%	13	-	0.0%	4
WIST8009	87	4.0%	2,180	3	1.0%	294	-	0.0%	26	1	0.3%	339	3	15.8%	19	-	0.0%	1
WIST8010	26	4.3%	609	-	0.0%	56	-	0.0%	3	-	0.0%	75	-	0.0%	1	-	#DIV/0!	-
WIST8011	220	4.6%	4,825	7	1.1%	616	-	0.0%	40	4	0.6%	618	-	0.0%	33	-	0.0%	8
WISTT001	92	3.0%	3,083	2	0.5%	415	-	0.0%	38	-	0.0%	440	-	0.0%	24	-	0.0%	3
WISTT002	139	9.3%	1,489	1	0.8%	123	-	0.0%	4	1	1.0%	104	1	25.0%	4	-	0.0%	1
WISTT003	489	10.1%	4,839	8	2.1%	388	1	2.4%	42	3	0.8%	393	-	0.0%	25	-	0.0%	2
WISTT005	132	4.3%	3,094	5	1.1%	435	1	3.3%	30	1	0.2%	433	-	0.0%	21	-	0.0%	2
WISTT006	115	4.3%	2,678	4	1.4%	288	-	0.0%	22	4	1.4%	278	-	0.0%	19	-	0.0%	1
Total	32,512	5.1%	634,669	874	1.2%	73,248	70	1.1%	6,168	403	0.5%	74,754	68	1.8%	3,851	13	1.6%	830

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Station ID	All Initial Tests			2016			2017		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST1002	140	7.1%	1,967	-	#DIV/0!	-	-	#DIV/0!	-
WIST1003	43	3.6%	1,199	-	0.0%	1	-	#DIV/0!	-
WIST1012	29	3.3%	886	-	0.0%	1	-	0.0%	2
WIST1013	40	2.9%	1,359	-	0.0%	1	-	#DIV/0!	-
WIST1014	54	5.6%	971	-	#DIV/0!	-	-	#DIV/0!	-
WIST1015	243	3.2%	7,588	-	0.0%	3	-	#DIV/0!	-
WIST1016	18	4.5%	399	-	0.0%	1	-	0.0%	1
WIST1017	378	8.3%	4,561	1	16.7%	6	-	0.0%	3
WIST1018	17	4.5%	378	-	#DIV/0!	-	-	#DIV/0!	-
WIST2001	44	4.0%	1,101	-	#DIV/0!	-	-	#DIV/0!	-
WIST2003	47	3.7%	1,266	-	0.0%	1	-	#DIV/0!	-
WIST2014	132	10.5%	1,256	-	0.0%	1	-	#DIV/0!	-
WIST2015	95	3.2%	2,985	-	0.0%	3	-	#DIV/0!	-
WIST2017	65	3.2%	2,017	-	0.0%	2	-	0.0%	2
WIST2018	195	4.0%	4,834	-	0.0%	3	-	0.0%	1
WIST2019	41	5.0%	813	-	#DIV/0!	-	-	#DIV/0!	-
WIST2020	245	3.5%	6,970	-	0.0%	2	-	0.0%	1
WIST2021	60	4.8%	1,239	-	#DIV/0!	-	-	#DIV/0!	-
WIST2023	29	3.9%	738	-	0.0%	1	-	#DIV/0!	-
WIST2024	107	5.0%	2,144	-	0.0%	1	-	0.0%	3
WIST2025	59	3.9%	1,527	-	0.0%	2	-	0.0%	1
WIST2026	128	3.2%	3,984	-	#DIV/0!	-	-	#DIV/0!	-
WIST3003	70	4.8%	1,464	-	0.0%	1	-	0.0%	3
WIST3005	88	2.8%	3,113	-	0.0%	3	-	0.0%	4
WIST3006	72	4.2%	1,733	-	0.0%	1	-	#DIV/0!	-
WIST3013	271	7.1%	3,825	-	0.0%	7	1	50.0%	2
WIST3014	135	8.0%	1,694	-	#DIV/0!	-	-	#DIV/0!	-
WIST3016	350	7.3%	4,781	1	33.3%	3	-	0.0%	1
WIST3018	178	11.2%	1,583	-	0.0%	2	-	#DIV/0!	-
WIST3021	38	3.3%	1,157	-	0.0%	5	-	0.0%	3
WIST3022	1	0.7%	153	-	0.0%	1	-	#DIV/0!	-
WIST3023	27	2.2%	1,204	-	0.0%	1	-	0.0%	3
WIST3024	64	5.5%	1,173	-	0.0%	1	-	#DIV/0!	-
WIST3025	19	5.4%	354	-	#DIV/0!	-	-	#DIV/0!	-
WIST3028	2	5.7%	35	-	#DIV/0!	-	-	0.0%	1
WIST4002	45	4.3%	1,038	-	#DIV/0!	-	-	#DIV/0!	-
WIST4003	150	4.1%	3,629	-	0.0%	2	-	#DIV/0!	-
WIST4004	132	4.0%	3,318	-	0.0%	2	-	#DIV/0!	-
WIST4006	206	3.2%	6,527	-	0.0%	1	-	#DIV/0!	-

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Station ID	All Initial Tests			2016			2017		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST4009	81	4.0%	2,020	-	#DIV/0!	-	-	0.0%	1
WIST4014	31	3.9%	800	-	0.0%	1	-	#DIV/0!	-
WIST4017	143	3.8%	3,744	-	0.0%	2	-	#DIV/0!	-
WIST4019	83	5.3%	1,554	1	100.0%	1	-	#DIV/0!	-
WIST4026	69	2.8%	2,476	-	0.0%	2	-	#DIV/0!	-
WIST4031	199	6.1%	3,264	-	0.0%	2	-	#DIV/0!	-
WIST4032	801	13.8%	5,817	-	#DIV/0!	-	-	0.0%	1
WIST4039	29	2.9%	996	-	#DIV/0!	-	-	#DIV/0!	-
WIST4040	31	1.5%	2,130	-	0.0%	1	-	#DIV/0!	-
WIST4042	263	5.9%	4,440	-	0.0%	5	-	#DIV/0!	-
WIST4043	738	6.3%	11,639	-	0.0%	6	-	0.0%	1
WIST4044	708	9.3%	7,619	-	0.0%	4	-	0.0%	1
WIST4045	115	4.8%	2,412	-	0.0%	3	-	0.0%	2
WIST4048	143	5.3%	2,673	-	#DIV/0!	-	-	#DIV/0!	-
WIST4049	47	5.0%	940	-	#DIV/0!	-	-	0.0%	1
WIST4050	53	2.4%	2,254	-	0.0%	2	-	#DIV/0!	-
WIST4051	124	5.0%	2,457	-	0.0%	1	-	0.0%	1
WIST4052	5	11.1%	45	-	#DIV/0!	-	-	#DIV/0!	-
WIST4053	11	7.4%	148	-	#DIV/0!	-	-	#DIV/0!	-
WIST4054	93	4.6%	2,024	-	0.0%	3	-	#DIV/0!	-
WIST4055	46	5.6%	827	-	#DIV/0!	-	-	0.0%	1
WIST5003	169	7.5%	2,249	-	0.0%	4	-	0.0%	3
WIST5004	92	3.6%	2,551	-	#DIV/0!	-	-	0.0%	3
WIST5005	74	4.4%	1,691	-	#DIV/0!	-	-	#DIV/0!	-
WIST5007	13	3.3%	399	-	#DIV/0!	-	-	#DIV/0!	-
WIST5008	329	4.4%	7,528	-	0.0%	2	-	#DIV/0!	-
WIST5009	34	2.6%	1,287	-	#DIV/0!	-	-	#DIV/0!	-
WIST5011	61	2.1%	2,884	-	0.0%	3	-	#DIV/0!	-
WIST5012	73	2.7%	2,699	-	#DIV/0!	-	-	#DIV/0!	-
WIST5014	273	4.1%	6,691	-	0.0%	3	-	0.0%	1
WIST5015	233	8.6%	2,718	-	0.0%	1	-	#DIV/0!	-
WIST5017	88	5.1%	1,713	-	0.0%	1	-	0.0%	2
WIST5021	52	4.9%	1,067	-	0.0%	1	-	#DIV/0!	-
WIST5023	20	3.2%	628	-	0.0%	1	-	#DIV/0!	-
WIST5028	9	2.3%	389	-	#DIV/0!	-	-	#DIV/0!	-
WIST5029	309	4.3%	7,130	-	0.0%	6	-	0.0%	3
WIST5036	20	4.7%	422	-	#DIV/0!	-	-	#DIV/0!	-
WIST5037	69	4.0%	1,738	-	0.0%	1	-	0.0%	1
WIST5040	31	2.5%	1,258	-	#DIV/0!	-	-	#DIV/0!	-

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Station ID	All Initial Tests			2016			2017		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST5041	37	2.2%	1,651	-	#DIV/0!	-	-	0.0%	1
WIST5044	31	3.7%	846	-	0.0%	3	-	#DIV/0!	-
WIST5045	19	3.7%	515	-	#DIV/0!	-	-	#DIV/0!	-
WIST5047	8	2.7%	294	-	#DIV/0!	-	-	#DIV/0!	-
WIST5049	101	3.3%	3,043	-	0.0%	2	-	#DIV/0!	-
WIST5053	37	3.6%	1,033	-	#DIV/0!	-	-	#DIV/0!	-
WIST5055	433	6.9%	6,305	-	0.0%	2	-	0.0%	1
WIST5056	16	11.4%	140	-	#DIV/0!	-	-	#DIV/0!	-
WIST5058	71	5.5%	1,298	-	0.0%	2	-	0.0%	2
WIST5061	81	3.3%	2,490	-	#DIV/0!	-	-	#DIV/0!	-
WIST5066	203	6.2%	3,299	-	0.0%	2	-	#DIV/0!	-
WIST5069	676	10.6%	6,355	-	0.0%	1	-	#DIV/0!	-
WIST5070	13	8.4%	155	-	#DIV/0!	-	-	#DIV/0!	-
WIST5071	424	6.0%	7,060	-	0.0%	5	-	0.0%	2
WIST5074	278	5.8%	4,797	-	0.0%	4	-	0.0%	6
WIST5075	62	10.5%	591	-	0.0%	1	1	50.0%	2
WIST5076	106	4.8%	2,214	-	#DIV/0!	-	-	#DIV/0!	-
WIST5077	26	2.8%	922	-	#DIV/0!	-	-	#DIV/0!	-
WIST6001	691	8.0%	8,641	-	0.0%	1	-	#DIV/0!	-
WIST6004	161	3.1%	5,185	-	0.0%	1	-	0.0%	2
WIST6007	39	4.1%	958	-	#DIV/0!	-	-	#DIV/0!	-
WIST6012	50	5.4%	934	-	#DIV/0!	-	-	#DIV/0!	-
WIST6013	76	3.1%	2,462	-	#DIV/0!	-	-	0.0%	1
WIST6014	55	4.6%	1,200	-	#DIV/0!	-	-	#DIV/0!	-
WIST6016	148	5.9%	2,492	-	0.0%	2	-	#DIV/0!	-
WIST6018	370	7.2%	5,111	-	0.0%	1	-	#DIV/0!	-
WIST6021	51	3.4%	1,485	-	0.0%	1	-	0.0%	2
WIST6022	43	2.8%	1,554	-	#DIV/0!	-	-	0.0%	1
WIST6026	29	2.9%	995	-	#DIV/0!	-	-	#DIV/0!	-
WIST6030	57	2.5%	2,269	-	0.0%	1	-	#DIV/0!	-
WIST6031	43	4.3%	996	-	#DIV/0!	-	-	#DIV/0!	-
WIST6033	32	3.4%	943	-	#DIV/0!	-	1	100.0%	1
WIST6034	37	2.7%	1,359	-	0.0%	2	-	#DIV/0!	-
WIST6035	117	6.9%	1,707	-	#DIV/0!	-	-	0.0%	1
WIST6036	13	1.7%	775	-	0.0%	1	-	0.0%	1
WIST6037	345	8.6%	3,993	-	#DIV/0!	-	-	#DIV/0!	-
WIST6038	39	4.4%	883	-	#DIV/0!	-	-	#DIV/0!	-
WIST6039	44	3.2%	1,359	-	0.0%	1	-	0.0%	2
WIST6040	306	7.8%	3,906	-	0.0%	5	-	0.0%	1

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Initial Test Failure by MY and Station

Station ID	All Initial Tests			2016			2017		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST6041	109	3.3%	3,342	-	0.0%	2	-	#DIV/0!	-
WIST7003	500	5.9%	8,460	-	0.0%	1	-	0.0%	1
WIST7004	281	6.4%	4,387	-	0.0%	4	-	#DIV/0!	-
WIST7006	39	3.7%	1,048	-	0.0%	2	-	#DIV/0!	-
WIST7007	54	4.8%	1,128	-	#DIV/0!	-	-	#DIV/0!	-
WIST7009	138	4.2%	3,259	1	50.0%	2	-	#DIV/0!	-
WIST7011	243	5.5%	4,430	-	0.0%	5	-	#DIV/0!	-
WIST7014	239	4.3%	5,623	-	0.0%	4	-	0.0%	2
WIST7015	49	4.7%	1,052	-	#DIV/0!	-	-	#DIV/0!	-
WIST7016	242	3.2%	7,468	-	0.0%	2	-	#DIV/0!	-
WIST7017	153	5.3%	2,895	-	#DIV/0!	-	-	#DIV/0!	-
WIST7018	22	2.2%	1,021	-	#DIV/0!	-	-	#DIV/0!	-
WIST7020	53	4.8%	1,093	-	#DIV/0!	-	-	#DIV/0!	-
WIST7021	83	6.4%	1,303	-	#DIV/0!	-	-	#DIV/0!	-
WIST7022	75	2.5%	3,033	-	0.0%	1	-	#DIV/0!	-
WIST7023	166	5.8%	2,883	-	0.0%	2	-	#DIV/0!	-
WIST7024	82	6.0%	1,373	-	#DIV/0!	-	-	#DIV/0!	-
WIST7025	28	3.0%	944	-	0.0%	1	-	#DIV/0!	-
WIST7027	118	13.9%	849	-	#DIV/0!	-	-	#DIV/0!	-
WIST7030	381	5.5%	6,925	-	0.0%	2	-	#DIV/0!	-
WIST7031	35	2.7%	1,308	-	#DIV/0!	-	-	#DIV/0!	-
WIST7032	271	11.4%	2,368	-	0.0%	2	-	0.0%	1
WIST7033	371	7.2%	5,124	-	0.0%	2	-	#DIV/0!	-
WIST7036	363	7.0%	5,166	-	0.0%	3	-	#DIV/0!	-
WIST7039	33	2.2%	1,528	-	0.0%	1	-	#DIV/0!	-
WIST7040	77	2.4%	3,216	-	#DIV/0!	-	-	0.0%	2
WIST7041	181	4.3%	4,187	-	0.0%	1	-	0.0%	2
WIST7042	267	3.4%	7,764	-	#DIV/0!	-	-	0.0%	3
WIST7044	109	2.8%	3,843	-	0.0%	1	-	0.0%	1
WIST7045	230	4.0%	5,700	-	0.0%	2	-	#DIV/0!	-
WIST7046	265	9.8%	2,704	-	#DIV/0!	-	-	#DIV/0!	-
WIST7049	69	2.7%	2,582	-	0.0%	3	-	0.0%	1
WIST7052	272	3.6%	7,521	-	0.0%	2	-	#DIV/0!	-
WIST7053	95	4.6%	2,047	-	#DIV/0!	-	-	#DIV/0!	-
WIST7054	28	2.4%	1,163	-	#DIV/0!	-	-	0.0%	1
WIST7055	208	4.3%	4,869	-	0.0%	3	-	0.0%	1
WIST7056	132	3.2%	4,121	-	#DIV/0!	-	-	0.0%	1
WIST7061	57	4.6%	1,250	-	0.0%	1	-	0.0%	1
WIST7062	104	3.3%	3,119	-	0.0%	5	-	0.0%	4

40 CFR Part 51.366 (a)(4)
Initial Test Failure by MY and Station

Station ID	All Initial Tests			2016			2017		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7064	90	2.3%	3,852	-	#DIV/0!	-	-	#DIV/0!	-
WIST7065	300	5.6%	5,366	-	0.0%	3	-	#DIV/0!	-
WIST7067	50	3.4%	1,451	-	0.0%	1	-	#DIV/0!	-
WIST7068	100	3.3%	2,989	-	0.0%	1	-	#DIV/0!	-
WIST7069	255	3.8%	6,787	-	0.0%	5	-	0.0%	1
WIST7070	44	2.3%	1,934	-	0.0%	2	-	#DIV/0!	-
WIST7071	188	4.3%	4,337	-	#DIV/0!	-	-	0.0%	1
WIST7072	165	4.6%	3,618	-	0.0%	1	-	#DIV/0!	-
WIST7073	234	6.2%	3,791	-	0.0%	1	-	0.0%	1
WIST7074	858	7.3%	11,791	-	0.0%	5	-	#DIV/0!	-
WIST7075	81	2.9%	2,823	-	0.0%	2	-	0.0%	1
WIST7076	218	3.1%	6,947	-	0.0%	3	-	#DIV/0!	-
WIST7078	51	1.7%	3,039	-	0.0%	5	-	#DIV/0!	-
WIST7079	196	9.8%	2,002	-	#DIV/0!	-	1	100.0%	1
WIST7080	137	3.3%	4,100	-	0.0%	6	-	0.0%	1
WIST7081	348	7.1%	4,894	-	0.0%	1	-	#DIV/0!	-
WIST7083	350	3.7%	9,483	-	0.0%	4	-	0.0%	1
WIST7086	25	2.7%	931	-	0.0%	1	-	0.0%	4
WIST7088	49	6.4%	763	-	#DIV/0!	-	-	#DIV/0!	-
WIST7090	28	5.4%	520	-	#DIV/0!	-	-	0.0%	1
WIST7092	68	3.8%	1,795	-	#DIV/0!	-	-	#DIV/0!	-
WIST7093	118	3.3%	3,593	-	#DIV/0!	-	-	0.0%	1
WIST7094	135	3.3%	4,045	-	#DIV/0!	-	-	#DIV/0!	-
WIST7095	52	3.6%	1,443	-	0.0%	1	-	0.0%	5
WIST7098	163	5.0%	3,251	-	0.0%	1	-	#DIV/0!	-
WIST7103	134	4.1%	3,294	-	#DIV/0!	-	-	#DIV/0!	-
WIST7106	80	1.8%	4,420	-	0.0%	4	-	0.0%	1
WIST7108	349	4.5%	7,807	-	0.0%	2	-	0.0%	1
WIST7109	248	5.2%	4,810	-	0.0%	1	-	#DIV/0!	-
WIST7113	150	4.4%	3,404	-	0.0%	2	-	#DIV/0!	-
WIST7115	5	2.1%	236	-	#DIV/0!	-	-	#DIV/0!	-
WIST7116	169	2.7%	6,327	-	0.0%	5	-	#DIV/0!	-
WIST7117	247	5.2%	4,742	-	#DIV/0!	-	-	#DIV/0!	-
WIST7118	136	5.1%	2,663	-	0.0%	1	-	#DIV/0!	-
WIST7119	97	3.3%	2,967	-	0.0%	2	-	0.0%	2
WIST7120	135	11.6%	1,167	-	#DIV/0!	-	-	0.0%	2
WIST7121	48	2.1%	2,237	-	0.0%	4	-	0.0%	1
WIST7123	106	3.3%	3,188	-	0.0%	1	-	#DIV/0!	-
WIST7124	117	4.3%	2,737	-	0.0%	3	-	0.0%	2

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Initial Test Failure by MY and Station

Station ID	All Initial Tests			2016			2017		
	Fail	Fail %	Total	Fail	Fail %	Total	Fail	Fail %	Total
WIST7125	205	11.1%	1,853	-	0.0%	1	-	0.0%	1
WIST7126	67	6.7%	996	-	0.0%	1	-	0.0%	2
WIST7127	155	3.6%	4,330	-	0.0%	5	-	0.0%	2
WIST7128	12	3.3%	361	-	#DIV/0!	-	-	#DIV/0!	-
WIST7129	6	2.7%	221	-	0.0%	1	-	#DIV/0!	-
WIST8001	70	4.8%	1,457	-	0.0%	1	-	0.0%	1
WIST8002	192	3.4%	5,603	-	0.0%	6	-	#DIV/0!	-
WIST8003	7	33.3%	21	-	#DIV/0!	-	-	#DIV/0!	-
WIST8004	1,027	10.6%	9,653	-	0.0%	1	-	#DIV/0!	-
WIST8005	358	7.8%	4,582	-	0.0%	5	-	#DIV/0!	-
WIST8006	791	6.5%	12,105	-	0.0%	8	-	0.0%	1
WIST8007	269	4.9%	5,543	-	#DIV/0!	-	-	#DIV/0!	-
WIST8008	320	10.6%	3,008	-	#DIV/0!	-	-	#DIV/0!	-
WIST8009	87	4.0%	2,180	-	0.0%	1	-	#DIV/0!	-
WIST8010	26	4.3%	609	-	#DIV/0!	-	-	#DIV/0!	-
WIST8011	220	4.6%	4,825	-	#DIV/0!	-	-	0.0%	1
WISTT001	92	3.0%	3,083	-	0.0%	1	-	#DIV/0!	-
WISTT002	139	9.3%	1,489	-	#DIV/0!	-	-	#DIV/0!	-
WISTT003	489	10.1%	4,839	-	0.0%	3	-	0.0%	2
WISTT005	132	4.3%	3,094	-	0.0%	5	-	0.0%	1
WISTT006	115	4.3%	2,678	-	0.0%	1	-	#DIV/0!	-
Total	32,512	5.1%	634,669	4	1.3%	315	4	2.9%	138

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST5056	Aamco Transmission #15160 (#423)	9055 N. 76th St.	Milwaukee	53223	Milwaukee	9
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105	Racine	15
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002	Washington	21
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105	Racine	15
WIST7003	Anastos Motors Inc.	4513 S. Greenbay Rd	Kenosha	53144	Kenosha	18
WISTT002	Anaya's Auto Repair (TAC)	2515 52nd St.	Kenosha	53140	Kenosha	18
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021	Ozaukee	30
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214	Milwaukee	15
WIST2023	Auto Diagnostics	11321 W. Greenfield	West Allis	53214	Milwaukee	15
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080	Ozaukee	18
WIST7115	Black Tie Auto Service	S84 W21172 Janesville Rd	Muskego	53150	WAUKESHA	12
WIST4009	Bluemound Auto Service	6000 W. Bluemound Rd	Wauwatosa	53213	Milwaukee	18
WIST5008	Bob's Main Street Auto & Tow	115 W. Decorah Rd	West Bend	53095	Washington	21
WIST4045	Bob's Main Street Auto & Tow	1200 N Main St	West Bend	53090	Washington	21
WIST7121	Boucher Hyundai	1583 E Moreland Blvd	Waukesha	53186	Waukesha	12
WIST2001	Braeger Chevy Inc	4100 S. 27th St	Milwaukee	53221	Milwaukee	6
WIST5028	Braeger Ford Inc	4201 S. 27th St	Milwaukee	53221	Milwaukee	3
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53007	Waukesha	24
WISTT006	Carlton Automotive Inc. (TAC)	1318 Center St., PO Box 700288	Oostburg	53070	Sheboygan	42
WIST7090	Carwurx Plus	10685 W. Layton Ave.	Greenfield	53228	Milwaukee	3
WIST5049	Chris Auto Service	14000 W. Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST6004	Chuck's Main St. Auto	N64 W23876 Main St.	Sussex	53089	Waukesha	24
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222	Milwaukee	21
WIST5040	Dads Auto Service	S98 W12575 Loomis Crt.	Muskego	53150	Waukesha	12
WIST5005	Dave's Garage Inc.	5454 W. Forest Home Ave.	Greenfield	53220	Milwaukee	12
WIST5045	Dave's Truck & 4 X 4 Repair, LLC	2993 Sherman Rd.	Jackson	53037	Washington	24
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403	Racine	15
WIST1002	Engine & Transmission Exchange	2727 S. 27th St.	Milwaukee	53215	Milwaukee	15
WIST5061	Engine & Transmission Exchange	1604 S. West Ave.	Waukesha	53189	Waukesha	12
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080	Ozaukee	27
WIST3021	Eric Von Schledorn - Random Lake	W4873 County Road RR	Random Lake	53066	Sheboygan	36
WIST7018	Ernie von Schledorn, Inc.	N88 W14167 Main St.	Menomonee Falls	53051	Waukesha	18
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066	Waukesha	12
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110	Milwaukee	15
WIST7021	Expert Car Care Inc.	6803 W. National Ave.	West Allis	53214	Milwaukee	15
WIST4052	Extreme Complete Auto	2405 W. Center St.	Milwaukee	53206	Milwaukee	3
WIST5011	F & F Tire World - Bluemound Rd.	20120 Bluemound Rd.	Brookfield	53045	Waukesha	12
WIST4017	F & F Tire World - Franklin	2930 W. Rawson Ave.	Franklin	53132	Milwaukee	15
WIST5009	F & F Tire World - Moorland Rd	410 N. Moorland Rd	Brookfield	53005	Waukesha	12

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST5041	Falls Auto Tech	N84 W15859 Appleton Ave.	Menomonee Falls	53051	Waukesha	21
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209	Milwaukee	18
WIST8006	Fast Track Oil Change # 09	5450 N Port Washington Rd	Glendale	53216	Milwaukee	18
WIST8005	Fast Track Oil Change #04	6942 W Brown Deer Rd	Milwaukee	53223	Milwaukee	21
WIST5069	Fast Track Oil Change #08	7515 W Capitol Dr	Milwaukee	53216	Milwaukee	15
WIST4044	Fast Track Oil Change #11	6207 W North Ave	Wauwatosa	53213	Milwaukee	21
WIST7113	Fast Track Oil Change #03	5400 S. 108th St.	Hales Corners	53130	Milwaukee	12
WIST8002	Fast Track Oil Change #1	15400 W National Ave	New Berlin	53151	Waukesha	12
WIST7116	Fast Track Oil Change #10	14245 W. Capitol Dr.	Brookfield	53005	Waukesha	24
WIST2018	Fast Track Oil Change #13	1557 W Moreland Blvd	Waukesha	53186	Waukesha	12
WIST7119	Fast Track Oil Change #2	W62N271 Washington Ave	Cedarburg	53012	Ozaukee	21
WIST5071	Fast Track Oil Change #5	5428 Washington Ave	Racine	53406	Racine	15
WIST4043	Fast Track Oil Change #7	4296 S 27TH ST	Milwaukee	53221	Milwaukee	18
WIST8007	Fast Track Oil Change Center #6	3130 S 108th St	West Allis	53227	Milwaukee	15
WIST7108	Fast Track Sheboygan - Calumet	2757 Calumet Dr.	Sheboygan	53081	Sheboygan	36
WIST3016	Fast Track Sheboygan - Indiana	1328 Indiana Ave.	Sheboygan	53081	Sheboygan	36
WIST7109	Fast Track Sheboygan - Taylor	3669 S. Taylor Dr.	Sheboygan	53081	Sheboygan	39
WIST3022	Fleet 1	749 W STATE ST	Milwaukee	53202	Milwaukee	12
WIST4019	Fleet Auto Sales & Service	7400 W. National Ave.	West Allis	53214	Milwaukee	15
WIST5014	Frank Boucher Chevrolet Cadillac	8600 Washington Ave.	Racine	53406	Racine	15
WIST7092	G-Brock's Auto Repair	375 E. Ottawa Ave	Dousman	53118	Waukesha	12
WIST6035	Good Hope Service	4230 W. Good Hope Rd.	Milwaukee	53209	Milwaukee	21
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095	Washington	27
WIST7093	Gordon's Wheel Service	3595 N. 124 St.	Brookfield	53005	Waukesha	24
WIST5066	Grady's Automotive Inc.	6272 S. Packard Ave	Cudahy	53110	Milwaukee	15
WIST7078	Griffin Ford	1940 E. Main St.	Waukesha	53186	Waukesha	12
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189	Waukesha	12
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029	Waukesha	12
WIST2003	Hartnell Chevrolet	7800 Antioch Rd. (Hwy 83)	Salem	53168	Kenosha	12
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224	Milwaukee	18
WIST7088	Hoffman Auto & Tire	6000 49th Street	Kenosha	53144	Kenosha	18
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189	Waukesha	12
WIST8009	Jackson Superlube	W213N16770 Glen Brook Dr	Jackson	53037	Washington	24
WISTT001	Jerry's Auto Service Inc. (TAC)	W229 N2467 Hwy F	Waukesha	53186	Waukesha	12
WIST4004	Jim's Mobil Service Inc.	12401 W. Cleveland Ave.	New Berlin	53151	Waukesha	12
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Crt.	Slinger	53086	Washington	18
WIST6030	John Amato Ford	1015 S Main St	Mukwonago	53149	Waukesha	12
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223	Milwaukee	15
WIST3023	John Amato Nissan	5200 N Port Washington Rd	Glendale	53217	Milwaukee	18

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST4051	Kastenson Auto (formally Tenhagen Auto)	21445 Durand Ave	Union Grove	53182	Racine	15
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214	Milwaukee	15
WIST7079	Koplein Tune & Lube	7960 N. 76th St.	Milwaukee	53223	Milwaukee	24
WIST5012	Krueger's Auto Tech Center	W61 N225 Cardinal Ave.	Cedarburg	53012	Ozaukee	21
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226	Milwaukee	15
WIST4049	LaBelle Auto	N56 W39413 Hwy 16	Oconomowoc	53066	Waukesha	12
WIST2025	Lakeshore Mobile	2521 E. Capitol	Shorewood	53211	Milwaukee	15
WIST3018	Larrys Auto	6373 North 91st Street	Milwaukee	53225	Milwaukee	21
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076	Washington	21
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218	Milwaukee	18
WIST4053	Liberty Street Auto	1313 Liberty St.	Racine	53404	Racine	15
WIST7023	Lisbon Sales & Services	7515 W. Lisbon Ave.	Milwaukee	53216	Milwaukee	24
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402	Racine	15
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183	Waukesha	12
WIST7120	Manyo Motors	4035 N Green Bay Avenue	Milwaukee	53212	Milwaukee	15
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182	Racine	15
WIST3006	Martin's Automotive Services	W230 S8750 Wynn Dr	Big Bend	53103	Waukesha	12
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011	Sheboygan	30
WIST3025	Meineke - Racine	6006 21ST STREET	Racine	53406	Racine	12
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221	Milwaukee	15
WIST5077	Menomonee Falls Super Lube	W156 N8390 Pilgrim Rd	Menomonee Falls	53051	Waukesha	24
WIST6016	Mertens Auto Service Center	389 Milwaukee Ave.	Burlington	53105	Racine	18
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073	Sheboygan	27
WIST7027	Midas - Capitol Dr.	5811 W. Capitol Dr.	Milwaukee	53216	Milwaukee	15
WIST7024	Midas - Kenosha	4500 52nd St.	Kenosha	53144	Kenosha	18
WIST7025	Midas - Menomonee Falls	N96 W18375 Hwy Q	Menomonee Falls	53052	Waukesha	21
WIST7007	Midas - Racine	1230 S. Green Bay Rd	Racine	53406	Racine	15
WIST2014	Midas - Wisconsin Ave.	3706 W. Wisconsin Ave.	Milwaukee	53208	Milwaukee	21
WIST8011	Mike's Quality Auto	457 Falcon Ridge Dr	Burlington	53105	Racine	15
WIST1014	Mission Auto Services	1230 South West Ave	Waukesha	53186	Waukesha	3
WIST5076	Mister Car Wash - Cudahy	5506 S Packard Ave	Cudahy	53110	Milwaukee	15
WIST6041	Mister Car Wash - Franklin	7700 W. Rawson Ave	Franklin	53132	Milwaukee	15
WIST2026	Mister Car Wash - Menomonee Falls	N95 W18255 Appleton Avenue	Menomonee Falls	53051	Waukesha	21
WIST5047	Monro	1212 S. 108th St.	West Allis	53214	Milwaukee	15
WIST5036	Monro - 27th St.	3849 S. 27th St.	Milwaukee	53221	Milwaukee	15
WIST5021	Monro - Bluemound Rd	5930 W. Bluemound Rd	Milwaukee	53213	Milwaukee	15
WIST7015	Monro - Brookfield	13190 W. Capitol Dr.	Brookfield	53005	Waukesha	27

Appendix 3(c)(2) Equipment Audits

Station	Company	Address	City	Zip	County	Total Equip Audits
WIST6014	Monro - Cudahy	6084 S. Packard Ave.	Cudahy	53110	Milwaukee	15
WIST6012	Monro - Layton Ave.	7500 W. Layton Ave.	Greenfield	53220	Milwaukee	12
WIST5007	Monro - Menomonee Falls	N88 W15176 Main St.	Menomonee Falls	53051	Waukesha	15
WIST5057	Muffler Magic (AAMCO)	9055 N 76th	Milwaukee	53223	Milwaukee	18
WIST4055	Munro's Auto Service	5048 S. 27th	Milwaukee	53221	Milwaukee	15
WIST7094	Muskego Tire & Auto	S73 W16610 Janesville Rd	Muskego	53150	Waukesha	12
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204	Milwaukee	12
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151	Waukesha	12
WIST7030	National Pride Auto	5512 75th St.	Kenosha	53142	Kenosha	18
WIST7031	Nelson's Automotive of Pewaukee	N49 W22900 Commerce Ctr. Dr.	Pewaukee	53072	Waukesha	12
WIST6034	New Berlin Tire	15650 W National Ave	New Berlin	53151	Waukesha	12
WIST4006	Newman Chevrolet	1181 Wauwatosa Rd	Cedarburg	53012	Ozaukee	24
WIST7032	North Avenue Firestone	4926 W. North Ave.	Milwaukee	53208	Milwaukee	15
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154	Milwaukee	15
WIST5004	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213	Milwaukee	21
WIST7044	Oil Express - AKA River Falls Oil & Tire	N88W15220 Main St.	Menomonee Falls	53051	Waukesha	18
WIST5029	Palmen Buick, GMC, Cadillac	7110 74th Place	Kenosha	53142	Kenosha	18
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405	Racine	15
WIST6018	Paul's Bender Center	8313 22nd Ave.	Kenosha	53143	Kenosha	18
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403	Racine	15
WIST8010	Pope Auto	10204 W Greenfield Ave	West Allis	53214	Milwaukee	12
WIST2021	Port Washington Super Lube	1610 N Washington St	Port Washington	53074	Ozaukee	24
WIST5017	Pro Auto Center	303 E. Monroe Ave.	Hartford	53027	Washington	18
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142	Kenosha	18
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212	Milwaukee	12
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402	Racine	15
WIST1018	Ramsey Motors	5900 S 27th St.	Milwaukee	53221	Milwaukee	15
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076	Washington	21
WIST7041	Richlonns Tire & Service Center - Greendale	5131 S. 76th St.	Greendale	53129	Milwaukee	12
WIST5037	Richlonns Tire & Service Center - Greenfield	4440 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST7040	Richlonns Tire & Service Center - Muskego	S78 W18755 Janesville Rd	Muskego	53150	Waukesha	12
WIST7042	Richlonns Tire & Service Center - Waukesha	2480 W. Sunset Dr.	Waukesha	53189	Waukesha	12
WIST7017	Richlonns Tire & Service Centers	5418 Washington Ave.	Racine	53406	Racine	12
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092	Ozaukee	27
WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149	Waukesha	12
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225	Milwaukee	18
WIST5003	Russ Darrow Chrysler Jeep Dodge	7676 North 76th St	Milwaukee	53223	Milwaukee	24
WIST7009	Russ Darrow Honda	9301 W. Brown Deer Rd	Milwaukee	53224	Milwaukee	15
WIST7086	Russ Darrow Kia of Waukesha	2141 E. Moreland Blvd	Waukesha	53186	Waukesha	12

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WIST4026	Russ Darrow Kia of Wauwatosa	1901 N. Mayfair Rd	Wauwatosa	53226	Milwaukee	12
WIST5023	Russ Darrow Mitsubishi	W226 S1700 Hwy 164	Waukesha	53186	Waukesha	12
WIST5044	Russ Darrow Nissan	11212 W Metro Blvd	Milwaukee	53224	Milwaukee	15
WIST3028	Russ Darrow Sheboygan	5515 Racetrack Rd	Sheboygan	53081	Sheboygan	6
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095	Washington	27
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095	Washington	21
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168	Kenosha	15
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086	Washington	18
WIST7080	Schmit Bros Ford Lincoln	925 E. Green Bay Rd	Saukville	53080	Ozaukee	27
WIST7083	Sheboygan Chevrolet GMC Buick	3400 S. Business Dr.	Sheboygan	53081	Sheboygan	33
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211	Milwaukee	18
WIST8001	Silver Lake Auto Center	N76 W30620 HWY VV	Hartland	53029	Waukesha	12
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170	Kenosha	15
WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066	Waukesha	12
WIST7069	Silvernail Emissions Car Care & Uhaul	2210 Silvernail Rd	Pewaukee	53072	Waukesha	12
WIST7054	Sipp's Auto Service Inc.	N87 W17460 Main St.	Menomonee Falls	53051	Waukesha	18
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172	Milwaukee	15
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227	Milwaukee	15
WIST6036	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085	Sheboygan	33
WIST7118	Tech Way	4004 S Kinnickinnic Ave	St Francis	53235	Milwaukee	15
WIST5070	Tender Car Care	1825 S Kinnickinnic Ave	Milwaukee	53204	Milwaukee	3
WIST1016	Tenley Auto	9208 West Capitol Drive	Milwaukee	53222	Milwaukee	12
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020	Sheboygan	27
WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142	Kenosha	18
WIST7062	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074	Ozaukee	24
WIST7128	Tri City Hyundai	6133 S. 27th street	Greenfield	53122	Milwaukee	12
WIST7064	Trust Tire & Auto Service	10432 N. Port Washington Rd	Mequon	53092	Ozaukee	24
WIST7065	Twenty First Century Auto	5300 W. Forest Home Ave.	Milwaukee	53220	Milwaukee	15
WIST6040	Valvoline - 27th St.	3360 S. 27th St.	Milwaukee	53221	Milwaukee	15
WIST5074	Valvoline - 68th St.	112 S. 68th St.	Milwaukee	53214	Milwaukee	15
WIST7125	Valvoline - Capitol Dr	7028 W Capitol Dr	Milwaukee	53216	Milwaukee	18
WIST6039	Valvoline - Delafield	2325 Sun Valley Dr	Delafield	53018	Waukesha	15
WIST7124	Valvoline - Glendale	6100 N Port Washington Rd	Glendale	53212	Milwaukee	18
WIST3024	Valvoline - Greenfield	4839 S. 27th Street	Greenfield	53221	Milwaukee	15
WIST6037	Valvoline - Kenosha	3015 52nd St	Kenosha	53144	Kenosha	18
WIST6038	Valvoline - Moreland Blvd	832 E Moreland Blvd	Waukesha	53186	Waukesha	0
WIST6031	Valvoline - Muskego	N167S7825 Lions Park Dr	Muskego	53150	Waukesha	12
WIST1017	Valvoline - North Ave	1700 E North Ave	Milwaukee	53202	Milwaukee	12
WIST7127	Valvoline - Pewaukee	1812 Silvernail Rd	Pewaukee	53072	Waukesha	12

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WIST4054	Valvoline - Plymouth	1950 Eastern Ave	Plymouth	53073	Sheboygan	24
WIST7126	Valvoline - Racine	5920 21st St	Racine	53405	Racine	15
WIST2024	Valvoline - Waukesha	1951 E Main St	Waukesha	53186	Waukesha	12
WIST4039	Van Horn Dodge	3000 Eastern Ave	Plymouth	53073	Sheboygan	27
WIST7067	Village Tire & Auto	W172 N12185 Division Rd	Germantown	53022	Washington	21
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183	Waukesha	12
WIST7046	Weigman's Automotive Inc	7169 W. Fond du Lac Ave.	Milwaukee	53218	Milwaukee	18
WIST7070	Weissman Automotive	W140 N10455 Fond du Lac Ave.	Germantown	53022	Washington	24
WIST7071	Welks Automotive	8333 W. Layton Ave.	Greenfield	53220	Milwaukee	12
WIST4048	West Bend Super Lube	2353 W Washington St	West Bend	53095	Washington	24
WIST7072	Westside Auto Center	820 W. Sumner St.	Hartford	53027	Washington	18
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227	Milwaukee	18
WIST7073	Wilmot Auto Service Inc.	11307 Fox River Rd	Wilmot	53192	Kenosha	15
WIST7074	Wisconsin Muffler - Lincoln Ave.	3634 W. Lincoln Ave.	Milwaukee	53215	Milwaukee	15
WIST7075	Wisconsin Muffler - New Berlin	13320 W. College Ave.	New Berlin	53151	Waukesha	12
WIST1111	WISDOT	1001 West St. Paul Ave	Milwaukee	53233	Milwaukee	15
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154	Milwaukee	15