
WISCONSIN
VEHICLE INSPECTION PROGRAM
ANNUAL REPORT
2021



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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 2021 the PIF per county totals were:

- Kenosha = 15
- Milwaukee = 49
- Racine = 18
- Sheboygan = 11
- Waukesha = 37
- Ozaukee = 10
- Washington = 18

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: Model Years 1996 through 2017</i>

- 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 2015 and older in CY 2021

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 2020, and their locations (see section 40 CFR Part 51.366 (b)(1)(i) of this report).

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 has several areas (all of Milwaukee and Ozaukee counties and parts of Kenosha, Racine, Sheboygan, Washington and Waukesha counties) that are currently designated as non-attainment areas for federal ozone standards.

MOTOR VEHICLE EMISSION REDUCTIONS & AIR QUALITY IMPROVEMENT

Motor vehicle emissions have a substantial role in determining regional air quality. 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 2021:

- Volatile organic compounds (VOC) emissions reduced by 0.71 tons per summer weekday, or 5.1% (5.6% reduction in light-duty vehicle emissions).
- Oxides of nitrogen (NOx) emissions reduced by 0.66 tons per summer weekday, or 2.8% (6.9% reduction in light-duty vehicle emissions).

- Carbon monoxide (CO) emissions reduced by 29.43 tons per summer weekday, or 10.9% (11.6% reduction in light-duty vehicle emissions).

HOT SUMMER WEEKDAY EMISSIONS (TONS) FOR ON-ROAD MOTOR VEHICLES

		Volatile Organic Compounds (VOC)						
		2005	2008	2011	2014	2017	2020	2021
No WVIP	Light-Duty Vehicles	46.28	35.51	30.20	20.46	16.69	12.88	12.58
No WVIP	Heavy-Duty Vehicles	6.16	5.19	4.35	3.04	2.36	1.54	1.37
No WVIP	<i>% Light-Duty Vehicles</i>	<i>88.3%</i>	<i>87.3%</i>	<i>87.4%</i>	<i>87.1%</i>	<i>87.6%</i>	<i>89.3%</i>	<i>90.2%</i>
No WVIP	All Vehicles	52.44	40.70	34.55	23.50	19.05	14.41	13.95
WVIP	Light-Duty Vehicles	41.40	32.12	28.97	19.46	15.83	12.21	11.87
WVIP	Heavy-Duty Vehicles	6.16	5.19	4.35	3.04	2.36	1.54	1.37
WVIP	<i>% Light-Duty Vehicles</i>	<i>87.0%</i>	<i>86.1%</i>	<i>86.9%</i>	<i>86.5%</i>	<i>87.0%</i>	<i>88.8%</i>	<i>89.6%</i>
WVIP	All Vehicles	47.56	37.30	33.32	22.49	18.19	13.74	13.24
WVIP Reductions (tons)		4.89	3.40	1.23	1.00	0.86	0.67	0.71
WVIP Reductions (% of Light-Duty Emissions)		10.6%	9.6%	4.1%	4.9%	5.1%	5.2%	5.6%
WVIP Reductions (% of All Vehicle Emissions)		9.3%	8.3%	3.6%	4.3%	4.5%	4.7%	5.1%

		Oxides of Nitrogen (NOx)						
		2005	2008	2011	2014	2017	2020	2021
No WVIP	Light-Duty Vehicles	86.48	66.54	54.18	31.37	17.90	9.92	9.50
No WVIP	Heavy-Duty Vehicles	53.17	42.10	33.66	25.06	20.90	15.65	14.16
No WVIP	<i>% Light-Duty Vehicles</i>	<i>61.9%</i>	<i>61.3%</i>	<i>61.7%</i>	<i>55.6%</i>	<i>46.1%</i>	<i>38.8%</i>	<i>40.2%</i>
No WVIP	All Vehicles	139.64	108.64	87.84	56.43	38.80	25.57	23.66
WVIP	Light-Duty Vehicles	78.31	60.41	51.09	29.36	16.71	9.25	8.85
WVIP	Heavy-Duty Vehicles	53.17	42.10	33.66	25.06	20.90	15.65	14.16
WVIP	<i>% Light-Duty Vehicles</i>	<i>59.6%</i>	<i>58.9%</i>	<i>60.3%</i>	<i>54.0%</i>	<i>44.4%</i>	<i>37.2%</i>	<i>38.5%</i>
WVIP	All Vehicles	131.47	102.51	84.75	54.42	37.61	24.90	23.00
WVIP Reductions (tons)		8.17	6.13	3.09	2.01	1.19	0.66	0.66
WVIP Reductions (% of Light-Duty Emissions)		9.4%	9.2%	5.7%	6.4%	6.7%	6.7%	6.9%
WVIP Reductions (% of All Vehicle Emissions)		5.9%	5.6%	3.5%	3.6%	3.1%	2.6%	2.8%

		Carbon Monoxide (CO)						
		2005	2008	2011	2014	2017	2020	2021
No WVIP	Light-Duty Vehicles	651.37	538.18	495.17	379.57	328.90	237.86	253.30
No WVIP	Heavy-Duty Vehicles	51.90	40.46	33.76	26.05	23.57	18.01	16.96
No WVIP	<i>% Light-Duty Vehicles</i>	<i>92.6%</i>	<i>93.0%</i>	<i>93.6%</i>	<i>93.6%</i>	<i>93.3%</i>	<i>93.0%</i>	<i>93.7%</i>
No WVIP	All Vehicles	703.27	578.64	528.94	405.62	352.47	255.86	270.27
WVIP	Light-Duty Vehicles	584.23	481.86	461.43	347.41	296.28	212.50	223.88
WVIP	Heavy-Duty Vehicles	51.90	40.46	33.76	26.05	23.57	18.01	16.96
WVIP	<i>% Light-Duty Vehicles</i>	<i>91.8%</i>	<i>92.3%</i>	<i>93.2%</i>	<i>93.0%</i>	<i>92.6%</i>	<i>92.2%</i>	<i>93.0%</i>
WVIP	All Vehicles	636.14	522.32	495.19	373.47	319.85	230.50	240.84
WVIP Reductions (tons)		67.13	56.32	33.75	32.15	32.62	25.36	29.43
WVIP Reductions (% of Light-Duty Emissions)		10.3%	10.5%	6.8%	8.5%	9.9%	10.7%	11.6%
WVIP Reductions (% of All Vehicle Emissions)		9.5%	9.7%	6.4%	7.9%	9.3%	9.9%	10.9%

NOTES:

- 1. Emissions calculated using the U.S. EPA's current version of the MOVES model (MOVES3) for all calendar years.*
- 2. The MOVES3 model does not calculate benefits from the testing of diesel-powered vehicles nor heavy-duty vehicles. As a result, the WVIP reductions presented above are slight under-estimates since for model years 2007 and newer, the WVIP does test vehicles up to 14,000 pounds gross vehicle weight rating, powered by both gasoline and diesel fuel.*
- 3. Emissions calculated for the year 2021 are preliminary, since local 2021 vehicle-miles of travel data are not yet available. Instead, the 2021 vehicle-miles of travel was estimated by applying a national 2019 to 2021 two-year growth rate, calculated by the Federal Highway Administration, to the 2019 vehicle-miles of travel. This rate is 0.9652 (3.48% decrease). The sizable decrease is attributed to the lingering effects of the COVID-19 pandemic.*
- 4. In July 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 a generally increasing trend on account of an increasing percentage of the total vehicle travel by the tested vehicles (model year 1996 and newer vehicles).*
- 5. The one exception to the trend of increasing emission reduction percentages after 2008 is the trend for NOx when both light-duty and heavy-duty vehicles are considered. The NOx reductions in 2017, 2020 and 2021 (3.1%, 2.6% and 2.8%, respectively) are less than the 2014 NOx reduction (3.6%). The key reason for this decline is that a significant reduction in light-duty NOx emissions occurred during this period from federal regulations for both new light-duty vehicle emission standards and progressively lower gasoline sulfur levels. The effect of these regulations was a smaller share of on-road emissions from vehicles subject to the WVIP and a larger share of on-road emissions from vehicles not subject to the WVIP (e.g., most heavy-duty diesel-powered trucks). This decreasing share is reflected in the above table, which shows that in 2014 the share of NOx emissions from light-duty vehicles was 54%, but by 2020 it was less than 40%.*

Over time, the WVIP has contributed to the following air quality improvements 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 parts per million (ppm) to 0.101 ppm in the WVIP area. These values have since decreased markedly, to a peak design value of 0.074 ppm for the years 2019 to 2021.

During that period, U.S. EPA has repeatedly lowered the level of the 8-hour ozone standard, from 0.08 ppm in 1997 to 0.070 ppm in 2015. Wisconsin has made the following progress in meeting these standards:

- **1997 Ozone Standard (0.08 ppm, rounds to 0.084 ppm):** Ten counties in eastern Wisconsin (including all seven in the WVIP) were designated as nonattainment for the 1997 standard. Subsequently, all but one of these counties (Sheboygan County) were redesignated to attainment before the standard was revoked in 2015.
- **2008 Ozone Standard (0.075 ppm):** Two areas of the state, Sheboygan County and eastern Kenosha County, were designated nonattainment for the 2008 standard. Subsequently:
 - Effective July 10, 2020, the U.S. EPA redesignated all of Sheboygan County to attainment of the 2008 standard as a result of the lower ozone levels in this area, which attained this standard.
 - Effective April 11, 2022, the U.S. EPA redesignated eastern Kenosha County to attainment of the 2008 standard as a result of the lower ozone levels in this area, which attained this standard.
 - Thus, as of July 2022, the entire state of Wisconsin is attaining the 2008 ozone standard.
- **2015 Ozone Standard (0.070 ppm):** Effective August 3, 2018, the U.S. EPA designated nonattainment areas under the more stringent 2015 ozone standard. These nonattainment areas comprised narrow parts of six eastern Wisconsin counties (Kenosha, Milwaukee, Ozaukee, Sheboygan, Manitowoc and Door). Subsequently:
 - Effective June 10, 2020, the U.S. EPA redesignated the nonattainment area within Door County to attainment of the 2015 standard as a result of the lower ozone levels in this area, which attained this standard.
 - Effective July 14, 2021, EPA revised Wisconsin's 2015 ozone standard designations to expand the nonattainment areas in the abovementioned six counties as well as include parts of Racine, Waukesha, and Washington counties.
 - Effective March 31, 2022, the U.S. EPA redesignated the nonattainment area within Manitowoc County to attainment of the 2015 standard as a result of the lower ozone levels in the area, which attained this standard.
 - Effective April 29, 2022, the U.S. EPA redesignated the revised nonattainment area within Door County to attainment of the 2015 standard as a result of the lower ozone levels in the area, which attained this standard.
 - Thus, as of July 2022, all or parts of seven eastern Wisconsin counties are not attaining the 2015 ozone standard (all of Milwaukee and Ozaukee counties and parts of Kenosha, Racine, Sheboygan, Washington and Waukesha counties).

The WVIP will play an important, ongoing role in the state's efforts to attain the ozone standards in the current nonattainment areas and to maintain attainment throughout all of eastern Wisconsin.

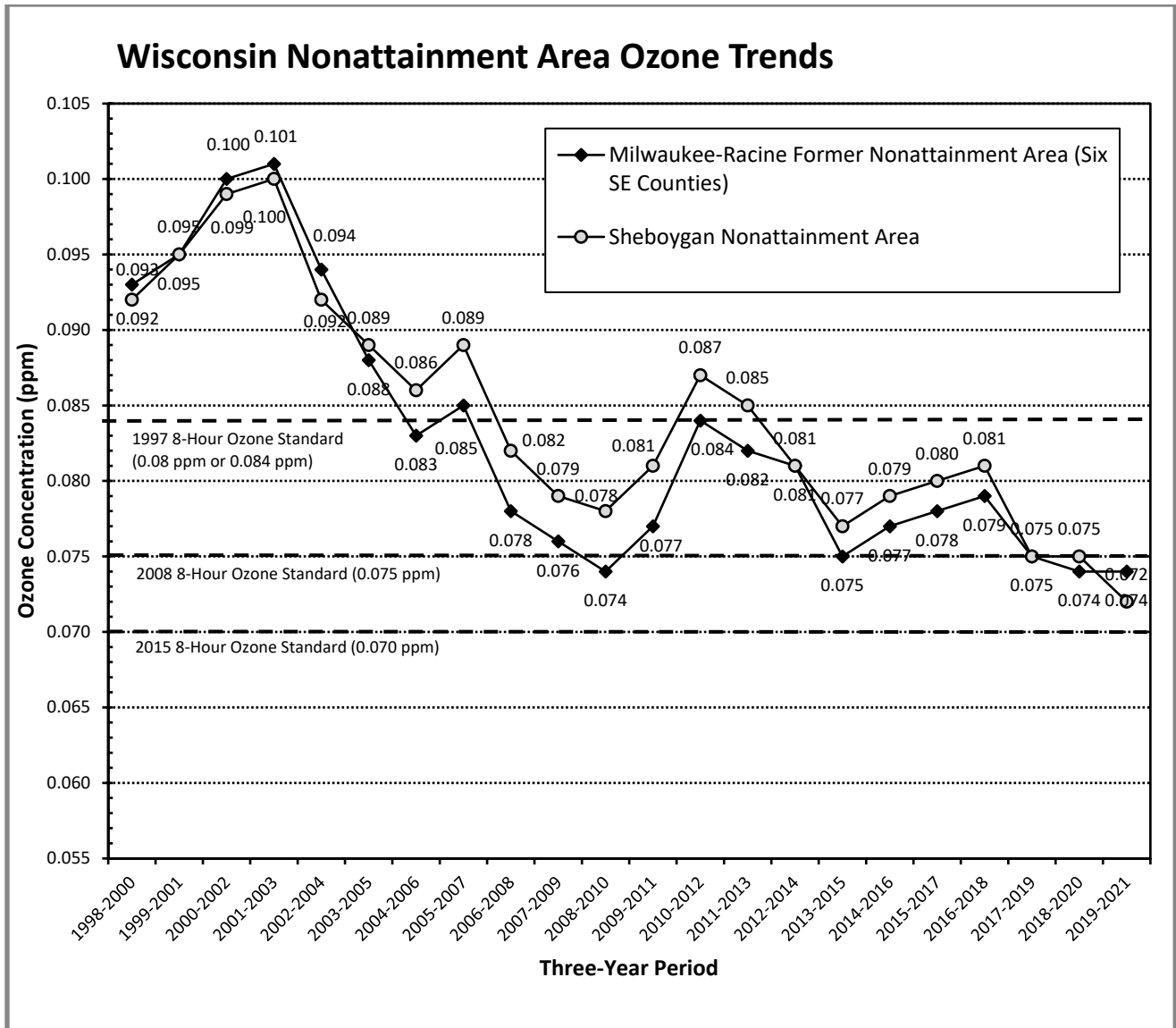


Figure 1. Trends in ozone design values for the Wisconsin Vehicle Inspection Program area. The highest value in the area is shown in each case. Note that since temperature has a strong influence on ozone concentrations, the values are highest for the time periods including hot summers, most notably the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

Note: The “Six SE Counties” are Kenosha, Milwaukee, Ozaukee, Racine, Washington and Waukesha counties.

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.

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, national fuel standards, 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 Car	SUV	Truck	Van	Test Count
1996	2,058	244	918	107	3,327
1997	945	155	454	62	1,616
1998	4,342	543	1,709	218	6,812
1999	1,776	424	573	139	2,912
2000	8,668	1,134	2,726	551	13,079
2001	2,928	678	1,018	214	4,838
2002	14,866	2,628	4,036	796	22,326
2003	4,963	1,249	1,139	339	7,690
2004	22,627	4,333	4,889	1,157	33,006
2005	7,118	1,758	1,316	676	10,868
2006	31,052	4,615	4,567	2,125	42,359
2007	9,414	2,326	1,434	659	13,833
2008	39,346	6,782	5,589	2,074	53,791
2009	7,743	1,582	834	417	10,576

2010	38,883	5,825	4,719	1,847	51,274
2011	9,277	2,992	1,456	625	14,350
2012	52,121	8,395	6,329	2,472	69,317
2013	11,635	3,447	1,538	724	17,344
2014	61,344	11,402	8,928	2,939	84,613
2015	11,217	4,680	2,079	843	18,819
2016	58,218	19,091	11,170	3,780	92,259
2017	3,935	2,882	1,128	756	8,701
2018	27,830	33,468	10,539	4,903	76,740
2019	1,111	1,541	451	225	3,328
2020	202	213	68	33	516
2021	56	85	19	4	164
2022	3				3
Total	433,678	122,472	79,626	28,685	664,461

INITIAL TESTS

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

Model Year	Passenger Car	SUV	Truck	Van	Total
1996	1,883	209	838	93	3,023
Initial Fail	144	24	66	6	240
Initial Pass	1,739	185	772	87	2,783
Failure Rate	7.65%	11.48%	7.88%	6.45%	7.94%
1997	817	140	397	58	1,412
Initial Fail	91	13	38	8	150
Initial Pass	726	127	359	50	1,262
Failure Rate	11.14%	9.29%	9.57%	13.79%	10.62%
1998	3,906	483	1,507	191	6,087
Initial Fail	318	36	127	14	495
Initial Pass	3,588	447	1,380	177	5,592
Failure Rate	8.14%	7.45%	8.43%	7.33%	8.13%
1999	1,478	370	501	122	2,471
Initial Fail	161	53	37	16	267
Initial Pass	1,317	317	464	106	2,204
Failure Rate	10.89%	14.32%	7.39%	13.11%	10.81%

2000	7,944	1,024	2,492	503	11,963
Initial Fail	670	79	172	40	961
Initial Pass	7,274	945	2,320	463	11,002
Failure Rate	8.43%	7.71%	6.90%	7.95%	8.03%
2001	2,236	529	816	178	3,759
Initial Fail	300	68	77	29	474
Initial Pass	1,936	461	739	149	3,285
Failure Rate	13.42%	12.85%	9.44%	16.29%	12.61%
2002	13,044	2,255	3,641	687	19,627
Initial Fail	1,141	231	216	58	1,646
Initial Pass	11,903	2,024	3,425	629	17,981
Failure Rate	8.75%	10.24%	5.93%	8.44%	8.39%
2003	4,095	1,061	974	288	6,418
Initial Fail	407	121	69	38	635
Initial Pass	3,688	940	905	250	5,783
Failure Rate	9.94%	11.40%	7.08%	13.19%	9.89%
2004	20,600	3,828	4,370	1,025	29,823
Initial Fail	1,455	318	270	68	2,111
Initial Pass	19,145	3,510	4,100	957	27,712
Failure Rate	7.06%	8.31%	6.18%	6.63%	7.08%
2005	6,003	1,523	1,112	600	9,238
Initial Fail	513	137	88	39	777
Initial Pass	5,490	1,386	1,024	561	8,461
Failure Rate	8.55%	9.00%	7.91%	6.50%	8.41%
2006	28,649	4,097	4,183	1,903	38,832
Initial Fail	1,618	281	191	107	2,197
Initial Pass	27,031	3,816	3,992	1,796	36,635
Failure Rate	5.65%	6.86%	4.57%	5.62%	5.66%
2007	8,341	2,108	1,249	595	12,293
Initial Fail	570	161	85	54	870
Initial Pass	7,771	1,947	1,164	541	11,423
Failure Rate	6.83%	7.64%	6.81%	9.08%	7.08%
2008	36,934	6,320	5,131	1,884	50,269
Initial Fail	1,563	297	219	121	2,200
Initial Pass	35,371	6,023	4,912	1,763	48,069
Failure Rate	4.23%	4.70%	4.27%	6.42%	4.38%
2009	6,987	1,453	725	381	9,546
Initial Fail	360	74	32	26	492
Initial Pass	6,627	1,379	693	355	9,054
Failure Rate	5.15%	5.09%	4.41%	6.82%	5.15%
2010	37,228	5,486	4,454	1,698	48,866
Initial Fail	1,094	195	106	79	1,474

Initial Pass	36,134	5,291	4,348	1,619	47,392
Failure Rate	2.94%	3.55%	2.38%	4.65%	3.02%
2011	8,533	2,789	1,315	562	13,199
Initial Fail	302	90	36	16	444
Initial Pass	8,231	2,699	1,279	546	12,755
Failure Rate	3.54%	3.23%	2.74%	2.85%	3.36%
2012	50,275	8,020	6,087	2,307	66,689
Initial Fail	1,063	185	103	85	1,436
Initial Pass	49,212	7,835	5,984	2,222	65,253
Failure Rate	2.11%	2.31%	1.69%	3.68%	2.15%
2013	11,008	3,314	1,419	678	16,419
Initial Fail	245	67	23	32	367
Initial Pass	10,763	3,247	1,396	646	16,052
Failure Rate	2.23%	2.02%	1.62%	4.72%	2.24%
2014	59,919	11,078	8,627	2,810	82,434
Initial Fail	814	161	101	79	1,155
Initial Pass	59,105	10,917	8,526	2,731	81,279
Failure Rate	1.36%	1.45%	1.17%	2.81%	1.40%
2015	10,781	4,548	1,948	801	18,078
Initial Fail	170	45	37	18	270
Initial Pass	10,611	4,503	1,911	783	17,808
Failure Rate	1.58%	0.99%	1.90%	2.25%	1.49%
2016	57,316	18,848	10,899	3,680	90,743
Initial Fail	444	120	77	53	694
Initial Pass	56,872	18,728	10,822	3,627	90,049
Failure Rate	0.77%	0.64%	0.71%	1.44%	0.76%
2017	3,767	2,860	1,061	714	8,402
Initial Fail	39	23	7	13	82
Initial Pass	3,728	2,837	1,054	701	8,320
Failure Rate	1.04%	0.80%	0.66%	1.82%	0.98%
2018	27,263	33,359	10,372	4,840	75,834
Initial Fail	100	68	26	23	217
Initial Pass	27,163	33,291	10,346	4,817	75,617
Failure Rate	0.37%	0.20%	0.25%	0.48%	0.29%
2019	1,089	1,528	444	220	3,281
Initial Fail	6	8	1	1	16
Initial Pass	1,083	1,520	443	219	3,265
Failure Rate	0.55%	0.52%	0.23%	0.45%	0.49%
2020	197	211	65	30	503
Initial Fail	1	2	0	0	3
Initial Pass	196	209	65	30	500
Failure Rate	0.51%	0.95%	0.0%	0.0%	0.60%

2021	53	78	17	4	152
Initial Fail	0	0	0	0	0
Initial Pass	53	78	17	4	152
Failure Rate	0.0%	0.0%	0.0%	0.0%	0.0%
2022	3	0	0	0	3
Initial Fail	0				0
Initial Pass	3				3
Failure Rate	0.0%	--	--	--	0.0%
Total Tests	410,349	117,519	74,644	26,852	629,364
Initial Fail	13,589	2,857	2,204	1,023	19,673
Initial Pass	396,760	114,662	72,440	25,829	609,691
Failure Rate	3.31%	2.43%	2.95%	3.81%	3.13%

RETEST RESULTS

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

Model Year	Passenger Car	SUV	Truck	Van	Grand Total
1996	113	17	48	2	180
Fail	34	7	13	1	55
Pass	79	10	35	1	125
Fail Rate	30.09%	41.18%	27.08%	50.00%	30.56%
Pass Rate	69.91%	58.82%	72.92%	50.00%	69.44%
1997	67	6	26	1	100
Fail	27	0	9	1	37
Pass	40	6	17	0	63
Fail Rate	40.30%	0.0%	34.62%	100.0%	37.00%
Pass Rate	59.70%	100.0%	65.38%	0.00%	63.00%
1998	188	23	93	6	310
Fail	52	8	20	1	81
Pass	136	15	73	5	229
Fail Rate	27.66%	34.78%	21.51%	16.67%	26.13%
Pass Rate	72.34%	65.22%	78.49%	83.33%	73.87%
1999	129	25	26	6	186
Fail	49	5	8	2	64
Pass	80	20	18	4	122
Fail Rate	37.98%	20.00%	30.77%	33.33%	34.41%
Pass Rate	62.02%	80.00%	69.23%	66.67%	65.59%
2000	440	46	114	20	620
Fail	101	11	23	3	138
Pass	339	35	91	17	482

<i>Model Year</i>	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
Fail Rate	22.95%	23.91%	20.18%	15.00%	22.26%
Pass Rate	77.05%	76.09%	79.82%	85.00%	77.74%
2001	183	36	49	9	277
Fail	57	15	11	2	85
Pass	126	21	38	7	192
Fail Rate	31.15%	41.67%	22.45%	22.22%	30.69%
Pass Rate	68.85%	58.33%	77.55%	77.78%	69.31%
2002	723	122	133	35	1,013
Fail	155	25	26	10	216
Pass	568	97	107	25	797
Fail Rate	21.44%	20.49%	19.55%	28.57%	21.32%
Pass Rate	78.56%	79.51%	80.45%	71.43%	78.68%
2003	295	45	57	13	410
Fail	68	12	11	2	93
Pass	227	33	46	11	317
Fail Rate	23.05%	26.67%	19.30%	15.38%	22.68%
Pass Rate	76.95%	73.33%	80.70%	84.62%	77.32%
2004	962	183	176	46	1,367
Fail	201	45	29	10	285
Pass	761	138	147	36	1,082
Fail Rate	20.89%	24.59%	16.48%	21.74%	20.85%
Pass Rate	79.11%	75.41%	83.52%	78.26%	79.15%
2005	390	51	67	14	522
Fail	88	11	17	1	117
Pass	302	40	50	13	405
Fail Rate	22.56%	21.57%	25.37%	7.14%	22.41%
Pass Rate	77.44%	78.43%	74.63%	92.86%	77.59%
2006	1,061	156	141	70	1,428
Fail	208	28	24	19	279
Pass	853	128	117	51	1,149
Fail Rate	19.60%	17.95%	17.02%	27.14%	19.54%
Pass Rate	80.40%	82.05%	82.98%	72.86%	80.46%
2007	419	78	69	24	590
Fail	97	19	7	7	130
Pass	322	59	62	17	460
Fail Rate	23.15%	24.36%	10.14%	29.17%	22.03%
Pass Rate	76.85%	75.64%	89.86%	70.83%	77.97%
2008	1,026	148	135	75	1,384
Fail	162	27	18	13	220
Pass	864	121	117	62	1,164
Fail Rate	15.79%	18.24%	13.33%	17.33%	15.90%
Pass Rate	84.21%	81.76%	86.67%	82.67%	84.10%
2009	279	30	21	8	338

<i>Model Year</i>	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
Fail	53	11	5	1	70
Pass	226	19	16	7	268
Fail Rate	19.00%	36.67%	23.81%	12.50%	20.71%
Pass Rate	81.00%	63.33%	76.19%	87.50%	79.29%
2010	791	101	67	70	1,029
Fail	125	14	10	7	156
Pass	666	87	57	63	873
Fail Rate	15.80%	13.86%	14.93%	10.00%	15.16%
Pass Rate	84.20%	86.14%	85.07%	90.00%	84.84%
2011	247	46	27	8	328
Fail	41	7	4	2	54
Pass	206	39	23	6	274
Fail Rate	16.60%	15.22%	14.81%	25.00%	16.46%
Pass Rate	83.40%	84.78%	85.19%	75.00%	83.54%
2012	743	125	55	56	979
Fail	83	14	7	6	110
Pass	660	111	48	50	869
Fail Rate	11.17%	11.20%	12.73%	10.71%	11.24%
Pass Rate	88.83%	88.80%	87.27%	89.29%	88.76%
2013	223	30	22	15	290
Fail	20	8	4	4	36
Pass	203	22	18	11	254
Fail Rate	8.97%	26.67%	18.18%	26.67%	12.41%
Pass Rate	91.03%	73.33%	81.82%	73.33%	87.59%
2014	575	92	59	62	788
Fail	65	8	6	3	82
Pass	510	84	53	59	706
Fail Rate	11.30%	8.70%	10.17%	4.84%	10.41%
Pass Rate	88.70%	91.30%	89.83%	95.16%	89.59%
2015	145	25	28	5	203
Fail	14	2	2	1	19
Pass	131	23	26	4	184
Fail Rate	9.66%	8.00%	7.14%	20.00%	9.36%
Pass Rate	90.34%	92.00%	92.86%	80.00%	90.64%
2016	345	62	43	25	475
Fail	28	7	4	2	41
Pass	317	55	39	23	434
Fail Rate	8.12%	11.29%	9.30%	8.00%	8.63%
Pass Rate	91.88%	88.71%	90.70%	92.00%	91.37%
2017	43	4	12	9	68
Fail	5	0	0	0	5
Pass	38	4	12	9	63
Fail Rate	11.63%	0.0%	0.0%	0.0%	7.35%

<i>Model Year</i>	<i>Passenger Car</i>	<i>SUV</i>	<i>Truck</i>	<i>Van</i>	<i>Grand Total</i>
Pass Rate	88.37%	100.0%	100.0%	100.0%	92.65%
2018	109	13	18	9	149
Fail	4	1	0	0	5
Pass	105	12	18	9	144
Fail Rate	3.67%	7.69%	0.0%	0.0%	3.36%
Pass Rate	96.33%	92.31%	100.0%	100.0%	96.64%
2019	1	3	0	1	5
Fail	0	0		1	1
Pass	1	3		0	4
Fail Rate	0.0%	0.0%	--	100.0%	20.00%
Pass Rate	100.0%	100.0%	--	0.00%	80.00%
2020	1	0	0	1	2
Fail	0			0	0
Pass	1			1	2
Fail Rate	0.0%	--	--	0.0%	0.0%
Pass Rate	100.0%	--	--	100.0%	100.0%
Totals	9,498	1,467	1,486	590	13,041
Fail	1,737	285	258	99	2,379
Pass	7,761	1,182	1,228	491	10,662
Fail Rate	18.29%	19.43%	17.36%	16.78%	18.24%
Pass Rate	81.71%	80.57%	82.64%	83.22%	81.76%

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.

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
1996	70	10	15	2	97
Subsequent Retest Fail	54	2	4	2	62
Subsequent Retest Pass	16	8	11	0	35
Fail Rate	77.14%	20.00%	26.67%	100.0%	63.92%
Pass Rate	22.86%	80.00%	73.33%	0.00%	36.08%
1997	30	0	10	1	41
Subsequent Retest Fail	18		8	0	26
Subsequent Retest Pass	12		2	1	15
Fail Rate	60.00%	--	80.00%	0.0%	63.41%
Pass Rate	40.00%	--	20.00%	100.0%	36.59%
1998	57	12	27	0	96
Subsequent Retest Fail	20	9	11		40
Subsequent Retest Pass	37	3	16		56
Fail Rate	35.09%	75.00%	40.74%	--	41.67%
Pass Rate	64.91%	25.00%	59.26%	--	58.33%
1999	65	4	8	3	80
Subsequent Retest Fail	39	3	3	2	47
Subsequent Retest Pass	26	1	5	1	33
Fail Rate	60.00%	75.00%	37.50%	66.67%	58.75%
Pass Rate	40.00%	25.00%	62.50%	33.33%	41.25%
2000	96	9	29	3	137
Subsequent Retest Fail	35	7	10	1	53
Subsequent Retest Pass	61	2	19	2	84
Fail Rate	36.46%	77.78%	34.48%	33.33%	38.69%
Pass Rate	63.54%	22.22%	65.52%	66.67%	61.31%
2001	94	14	15	10	133
Subsequent Retest Fail	56	12	5	5	78
Subsequent Retest Pass	38	2	10	5	55
Fail Rate	59.57%	85.71%	33.33%	50.00%	58.65%
Pass Rate	40.43%	14.29%	66.67%	50.00%	41.35%
2002	154	24	32	9	219
Subsequent Retest Fail	72	6	14	1	93
Subsequent Retest Pass	82	18	18	8	126
Fail Rate	46.75%	25.00%	43.75%	11.11%	42.47%
Pass Rate	53.25%	75.00%	56.25%	88.89%	57.53%

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
2003	95	13	11	6	125
Subsequent Retest Fail	40	7	2	4	53
Subsequent Retest Pass	55	6	9	2	72
Fail Rate	42.11%	53.85%	18.18%	66.67%	42.40%
Pass Rate	57.89%	46.15%	81.82%	33.33%	57.60%
2004	191	58	27	7	283
Subsequent Retest Fail	69	25	5	3	102
Subsequent Retest Pass	122	33	22	4	181
Fail Rate	36.13%	43.10%	18.52%	42.86%	36.04%
Pass Rate	63.87%	56.90%	81.48%	57.14%	63.96%
2005	106	10	17	6	139
Subsequent Retest Fail	32	1	4	4	41
Subsequent Retest Pass	74	9	13	2	98
Fail Rate	30.19%	10.00%	23.53%	66.67%	29.50%
Pass Rate	69.81%	90.00%	76.47%	33.33%	70.50%
2006	207	34	28	18	287
Subsequent Retest Fail	83	11	9	5	108
Subsequent Retest Pass	124	23	19	13	179
Fail Rate	40.10%	32.35%	32.14%	27.78%	37.63%
Pass Rate	59.90%	67.65%	67.86%	72.22%	62.37%
2007	133	16	9	8	166
Subsequent Retest Fail	46	4	3	4	57
Subsequent Retest Pass	87	12	6	4	109
Fail Rate	34.59%	25.00%	33.33%	50.00%	34.34%
Pass Rate	65.41%	75.00%	66.67%	50.00%	65.66%
2008	171	32	28	10	241
Subsequent Retest Fail	53	10	13	0	76
Subsequent Retest Pass	118	22	15	10	165
Fail Rate	30.99%	31.25%	46.43%	0.0%	31.54%
Pass Rate	69.01%	68.75%	53.57%	100.0%	68.46%
2009	77	11	8	2	98
Subsequent Retest Fail	29	5	2	0	36
Subsequent Retest Pass	48	6	6	2	62
Fail Rate	37.66%	45.45%	25.00%	0.0%	36.73%
Pass Rate	62.34%	54.55%	75.00%	100.0%	63.27%
2010	140	16	28	9	193
Subsequent Retest Fail	48	8	24	3	83
Subsequent Retest Pass	92	8	4	6	110
Fail Rate	34.29%	50.00%	85.71%	33.33%	43.01%
Pass Rate	65.71%	50.00%	14.29%	66.67%	56.99%
2011	42	9	9	3	63
Subsequent Retest Fail	9	3	3	1	16
Subsequent Retest Pass	33	6	6	2	47

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
Fail Rate	21.43%	33.33%	33.33%	33.33%	25.40%
Pass Rate	78.57%	66.67%	66.67%	66.67%	74.60%
2012	95	18	6	6	125
Subsequent Retest Fail	31	10	1	1	43
Subsequent Retest Pass	64	8	5	5	82
Fail Rate	32.63%	55.56%	16.67%	16.67%	34.40%
Pass Rate	67.37%	44.44%	83.33%	83.33%	65.60%
2013	37	4	8	3	52
Subsequent Retest Fail	9	3	4	1	17
Subsequent Retest Pass	28	1	4	2	35
Fail Rate	24.32%	75.00%	50.00%	33.33%	32.69%
Pass Rate	75.68%	25.00%	50.00%	66.67%	67.31%
2014	61	9	9	3	82
Subsequent Retest Fail	11	4	3	0	18
Subsequent Retest Pass	50	5	6	3	64
Fail Rate	18.03%	44.44%	33.33%	0.0%	21.95%
Pass Rate	81.97%	55.56%	66.67%	100.0%	78.05%
2015	26	0	3	1	30
Subsequent Retest Fail	8		1	0	9
Subsequent Retest Pass	18		2	1	21
Fail Rate	30.77%	--	33.33%	0.0%	30.00%
Pass Rate	69.23%	--	66.67%	100.0%	70.00%
2016	27	7	3	0	37
Subsequent Retest Fail	3	1	1		5
Subsequent Retest Pass	24	6	2		32
Fail Rate	11.11%	14.29%	33.33%	--	13.51%
Pass Rate	88.89%	85.71%	66.67%	--	86.49%
2017	13	0	0	1	14
Subsequent Retest Fail	3			0	3
Subsequent Retest Pass	10			1	11
Fail Rate	23.08%	--	--	0.0%	21.43%
Pass Rate	76.92%	--	--	100.0%	78.57%
2018	5	0	0	0	5
Subsequent Retest Fail	1				1
Subsequent Retest Pass	4				4
Fail Rate	20.00%	--	--	--	20.00%
Pass Rate	80.00%	--	--	--	80.00%
2019	0	0	0	1	1
Subsequent Retest Fail				0	0
Subsequent Retest Pass				1	1
Fail Rate	--	--	--	0.0%	0.0%
Pass Rate	--	--	--	100.0%	100.0%

Subsequent Retest By MY	Passenger Car	SUV	Truck	Van	Grand Total
Totals	1,992	310	330	112	2,744
Subsequent Retest Fail	769	131	130	37	1,067
Subsequent Retest Pass	1,223	179	200	75	1,677
Fail Rate	38.60%	42.26%	39.39%	33.04%	38.88%
Pass Rate	61.40%	57.74%	60.61%	66.96%	61.12%

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 Jul 1, 2021, the repair cost limit for all model year vehicles subject to testing was \$935. The waiver repair cost limit was adjusted to \$949 on Jul 1, 2021. This figure is adjusted annually by the DNR per NR 485.045.

The following chart illustrates the cost waivers granted in 2021 by model year. Since mostly odd model year vehicles were tested in 2021, they account for the majority of the waivers.

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
All 1996	398	1			
Passenger Car	252				--
SUV	36	0		0	--
Truck	97	1		1	1.03%
Van	13	0		0	--
All 1997	226				
Passenger Car	142				--
SUV	15	0		0	--
Truck	59	0		0	--
Van	10	0		0	--
All 1998	687	3	1		
Passenger Car	423	3	1	4	0.95%
SUV	56	0		0	--
Truck	192	0		0	--
Van	16	0		0	--
All 1999	404				
Passenger Car	263				--
SUV	67	0		0	--
Truck	52	0		0	--
Van	22	0		0	--
All 2000	1,266		2		
Passenger Car	887		2	2	0.23%
SUV	108	0		0	--
Truck	220	0		0	--
Van	51	0		0	--
All 2001	736	1	1		
Passenger Car	474	1		1	0.21%
SUV	110	0	1	1	0.91%
Truck	112	0		0	--
Van	40	0		0	--
All 2002	2,164		6		
Passenger Car	1,512		5	5	0.33%
SUV	290	0		0	--
Truck	283	0	1	1	0.35%
Van	79	0		0	--
All 2003	883		4		
Passenger Car	581		2	2	0.34%
SUV	160	0		0	--
Truck	94	0	2	2	2.13%

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
Van	48	0		0	--
All 2004	2,783		10		
Passenger Car	1,920		7	7	0.36%
SUV	431	0	1	1	0.23%
Truck	341	0	1	1	0.29%
Van	91	0	1	1	1.10%
All 2005	1,035		1		
Passenger Car	709		1	1	0.14%
SUV	165	0		0	--
Truck	112	0		0	--
Van	49	0		0	--
All 2006	2,857	1	2		
Passenger Car	2,088		2	2	0.10%
SUV	370	0		0	--
Truck	251	1		1	0.40%
Van	148	0		0	--
All 2007	1,149		4		
Passenger Car	775		2	2	0.26%
SUV	205		2	2	0.98%
Truck	100				--
Van	69				--
All 2008	2,748	1	5		
Passenger Car	1,955		1	1	0.05%
SUV	365		1	1	0.27%
Truck	281	1	2	3	1.07%
Van	147		1	1	0.68%
All 2009	655		2		
Passenger Car	476		2	2	0.42%
SUV	105				--
Truck	43				--
Van	31				--
All 2010	1,871	2	10		
Passenger Car	1,374		9	9	0.66%
SUV	243	1		1	0.41%
Truck	150	1	1	2	1.33%
Van	104				--
All 2011	560		1		
Passenger Car	389		1	1	0.26%
SUV	103				--
Truck	48				--
Van	20				--
All 2012	1,718		2		
Passenger Car	1,264				--

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
SUV	233		1	1	0.43%
Truck	118				--
Van	103		1	1	0.97%
All 2013	465	1	1		
Passenger Car	304		1	1	0.33%
SUV	85				--
Truck	37	1		1	2.70%
Van	39				--
All 2014	1,365		1		
Passenger Car	967				--
SUV	189				--
Truck	117		1	1	0.85%
Van	92				--
All 2015	329				
Passenger Car	212				--
SUV	50				--
Truck	46				--
Van	21				--
All 2016	790				
Passenger Car	504				--
SUV	136				--
Truck	89				--
Van	61				--
All 2017	97				
Passenger Car	50				--
SUV	23				--
Truck	10				--
Van	14				--
All 2018	232	1			
Passenger Car	109				--
SUV	72				--
Truck	28	1		1	3.57%
Van	23				--
All 2019	17				
Passenger Car	6				--
SUV	8				--
Truck	1				--
Van	2				--
All 2020	5				
Passenger Car	2				--
SUV	2				--
Truck	0				--
Van	1				--

<i>Model Year</i>	<i>Initial Fail</i>	<i>Diagnostic Waiver</i>	<i>Cost Waiver</i>	<i>Grand Total</i>	<i>Waiver Rate</i>
Grand Total	25,440	11	53	64	0.25%
Passenger Car	17,638	4	36	40	0.23%
SUV	3,627	1	6	7	0.19%
Truck	2,881	6	8	14	0.49%
Van	1,294	0	3	3	0.23%

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 CAR		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	253	67	36	17	96	33	13	5	398	122
1997	143	68	15	10	59	31	10	7	227	116
1998	419	175	56	22	193	61	16	7	684	265
1999	263	133	67	31	53	28	22	12	405	204
2000	886	313	108	52	221	72	51	23	1,266	460
2001	475	243	109	55	112	56	40	21	736	375
2002	1,511	493	291	116	283	91	79	38	2,164	738
2003	583	293	160	89	92	29	48	24	883	435
2004	1,917	591	430	175	340	91	91	29	2,778	886
2005	709	329	165	81	115	40	49	21	1,038	471
2006	2,090	667	372	138	251	67	148	43	2,861	915
2007	774	349	204	84	102	42	69	28	1,149	503
2008	1,958	583	364	131	279	76	146	48	2,747	838
2009	475	196	105	49	43	16	31	12	654	273
2010	1,367	315	242	87	148	28	104	25	1,861	455
2011	388	170	103	42	48	17	20	8	559	237
2012	1,268	269	232	71	119	25	102	26	1,721	391
2013	303	116	84	34	37	9	39	15	463	174
2014	967	199	189	51	116	32	92	22	1,364	304
2015	212	78	50	15	46	13	21	12	329	118
2016	505	103	136	20	89	24	61	21	791	168
2017	50	20	23	12	10	4	14	7	97	43

MODEL YEAR	PASSENGER CAR		SUV		TRUCK		VAN		ALL	
	INITIAL FAIL	NO OUTCOME	INITIAL FAIL	NO OUTCOME	INITIAL FAIL	NO OUTCOME	INITIAL FAIL	NO OUTCOME	INITIAL FAIL	NO OUTCOME
2018	109	26	73	16	27	6	24	5	233	53
2019	6	5	8	3	1	1	2	0	17	9
2020	2	1	2	1	0	0	1	0	5	2
2021	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	17,633	5,802	3,624	1,402	2,880	892	1,293	459	25,430	8,555

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.

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	2,266	249	879	95	3,489
FAIL	253	36	96	13	398
PASS	2,013	213	783	82	3,091
FAIL RATE	11.17%	14.46%	10.92%	13.68%	11.41%
PASS RATE	88.83%	85.54%	89.08%	86.32%	88.59%
1997	1,000	156	427	45	1,628
FAIL	143	15	59	10	227
PASS	857	141	368	35	1,401
FAIL RATE	14.30%	9.62%	13.82%	22.22%	13.94%
PASS RATE	85.70%	90.38%	86.18%	77.78%	86.06%
1998	4,550	567	1,656	197	6,970
FAIL	419	56	193	16	684
PASS	4,131	511	1,463	181	6,286
FAIL RATE	9.21%	9.88%	11.65%	8.12%	9.81%
PASS RATE	90.79%	90.12%	88.35%	91.88%	90.19%
1999	1,861	442	524	117	2,944
FAIL	263	67	53	22	405
PASS	1,598	375	471	95	2,539
FAIL RATE	14.13%	15.16%	10.11%	18.80%	13.76%
PASS RATE	85.87%	84.84%	89.89%	81.20%	86.24%
2000	9,241	1,136	2,526	483	13,386
FAIL	886	108	221	51	1,266
PASS	8,355	1,028	2,305	432	12,120
FAIL RATE	9.59%	9.51%	8.75%	10.56%	9.46%

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
PASS RATE	90.41%	90.49%	91.25%	89.44%	90.54%
2001	2,998	665	883	175	4,721
FAIL	475	109	112	40	736
PASS	2,523	556	771	135	3,985
FAIL RATE	15.84%	16.39%	12.68%	22.86%	15.59%
PASS RATE	84.16%	83.61%	87.32%	77.14%	84.41%
2002	15,694	2,720	3,763	714	22,891
FAIL	1,511	291	283	79	2,164
PASS	14,183	2,429	3,480	635	20,727
FAIL RATE	9.63%	10.70%	7.52%	11.06%	9.45%
PASS RATE	90.37%	89.30%	92.48%	88.94%	90.55%
2003	5,123	1,255	1,020	292	7,690
FAIL	583	160	92	48	883
PASS	4,540	1,095	928	244	6,807
FAIL RATE	11.38%	12.75%	9.02%	16.44%	11.48%
PASS RATE	88.62%	87.25%	90.98%	83.56%	88.52%
2004	24,015	4,467	4,642	1,043	34,167
FAIL	1,917	430	340	91	2,778
PASS	22,098	4,037	4,302	952	31,389
FAIL RATE	7.98%	9.63%	7.32%	8.72%	8.13%
PASS RATE	92.02%	90.37%	92.68%	91.28%	91.87%
2005	7,325	1,775	1,245	610	10,955
FAIL	709	165	115	49	1,038
PASS	6,616	1,610	1,130	561	9,917
FAIL RATE	9.68%	9.30%	9.24%	8.03%	9.48%
PASS RATE	90.32%	90.70%	90.76%	91.97%	90.52%
2006	32,693	4,801	4,417	1,893	43,804
FAIL	2,090	372	251	148	2,861
PASS	30,603	4,429	4,166	1,745	40,943
FAIL RATE	6.39%	7.75%	5.68%	7.82%	6.53%
PASS RATE	93.61%	92.25%	94.32%	92.18%	93.47%
2007	9,797	2,424	1,488	693	14,402
FAIL	774	204	102	69	1,149
PASS	9,023	2,220	1,386	624	13,253
FAIL RATE	7.90%	8.42%	6.85%	9.96%	7.98%
PASS RATE	92.10%	91.58%	93.15%	90.04%	92.02%
2008	41,253	7,118	5,811	2,183	56,365
FAIL	1,958	364	279	146	2,747
PASS	39,295	6,754	5,532	2,037	53,618
FAIL RATE	4.75%	5.11%	4.80%	6.69%	4.87%
PASS RATE	95.25%	94.89%	95.20%	93.31%	95.13%
2009	8,028	1,633	860	432	10,953
FAIL	475	105	43	31	654

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
PASS	7,553	1,528	817	401	10,299
FAIL RATE	5.92%	6.43%	5.00%	7.18%	5.97%
PASS RATE	94.08%	93.57%	95.00%	92.82%	94.03%
2010	40,484	6,079	4,937	1,941	53,441
FAIL	1,367	242	148	104	1,861
PASS	39,117	5,837	4,789	1,837	51,580
FAIL RATE	3.38%	3.98%	3.00%	5.36%	3.48%
PASS RATE	96.62%	96.02%	97.00%	94.64%	96.52%
2011	9,575	3,066	1,485	637	14,763
FAIL	388	103	48	20	559
PASS	9,187	2,963	1,437	617	14,204
FAIL RATE	4.05%	3.36%	3.23%	3.14%	3.79%
PASS RATE	95.95%	96.64%	96.77%	96.86%	96.21%
2012	54,015	8,846	6,530	2,576	71,967
FAIL	1,268	232	119	102	1,721
PASS	52,747	8,614	6,411	2,474	70,246
FAIL RATE	2.35%	2.62%	1.82%	3.96%	2.39%
PASS RATE	97.65%	97.38%	98.18%	96.04%	97.61%
2013	11,981	3,547	1,578	754	17,860
FAIL	303	85	37	39	464
PASS	11,678	3,462	1,541	715	17,396
FAIL RATE	2.53%	2.40%	2.34%	5.17%	2.60%
PASS RATE	97.47%	97.60%	97.66%	94.83%	97.40%
2014	63,194	11,803	9,194	3,095	87,286
FAIL	968	189	116	92	1,365
PASS	62,226	11,614	9,078	3,003	85,921
FAIL RATE	1.53%	1.60%	1.26%	2.97%	1.56%
PASS RATE	98.47%	98.40%	98.74%	97.03%	98.44%
2015	11,577	4,786	2,132	863	19,358
FAIL	212	50	46	21	329
PASS	11,365	4,736	2,086	842	19,029
FAIL RATE	1.83%	1.04%	2.16%	2.43%	1.70%
PASS RATE	98.17%	98.96%	97.84%	97.57%	98.30%
2016	59,414	19,461	11,404	3,866	94,145
FAIL	505	136	89	61	791
PASS	58,909	19,325	11,315	3,805	93,354
FAIL RATE	0.85%	0.70%	0.78%	1.58%	0.84%
PASS RATE	99.15%	99.30%	99.22%	98.42%	99.16%
2017	4,022	2,930	1,155	778	8,885
FAIL	50	23	10	14	97
PASS	3,972	2,907	1,145	764	8,788
FAIL RATE	1.24%	0.78%	0.87%	1.80%	1.09%
PASS RATE	98.76%	99.22%	99.13%	98.20%	98.91%

MODEL YEAR	PASSENGER CAR	SUV	TRUCK	VAN	GRAND TOTAL
2018	28,164	33,856	10,644	4,971	77,635
FAIL	109	73	27	24	233
PASS	28,055	33,783	10,617	4,947	77,402
FAIL RATE	0.39%	0.22%	0.25%	0.48%	0.30%
PASS RATE	99.61%	99.78%	99.75%	99.52%	99.70%
2019	1,125	1,563	453	227	3,368
FAIL	6	8	1	2	17
PASS	1,119	1,555	452	225	3,351
FAIL RATE	0.53%	0.51%	0.22%	0.88%	0.50%
PASS RATE	99.47%	99.49%	99.78%	99.12%	99.50%
2020	293	215	66	123	697
FAIL	2	2	0	1	5
PASS	291	213	66	122	692
FAIL RATE	0.68%	0.93%	0.0%	0.81%	0.72%
PASS RATE	99.32%	99.07%	100.0%	99.19%	99.28%
2021	59	80	18	5	162
FAIL	0	0	0	0	0
PASS	59	80	18	5	162
FAIL RATE	0.0%	0.0%	0.0%	0.0%	0.0%
PASS RATE	100.0%	100.0%	100.0%	100.0%	100.0%
2021	3	0	0	0	3
FAIL	0				0
PASS	3				3
FAIL RATE	0.0%	--	--	--	0.0%
PASS RATE	100.0%	--	--	--	100.0%
GRAND TOTAL	449,750	125,640	79,737	28,808	683,935
FAIL	17,634	3,625	2,880	1,293	25,432
PASS	432,116	122,015	76,857	27,515	658,503
FAIL RATE	3.92%	2.89%	3.61%	4.49%	3.72%
PASS RATE	96.08%	97.11%	96.39%	95.51%	96.28%

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	TRUCK	VAN	GRAND TOTAL
1996	7	0	0	0	7
1997	0	0	0	0	0
1998	0	0	0	0	0
1999	0	0	0	0	0
2000	0	1	0	0	1
2001	0	2	0	0	2
2002	0	1	0	0	1
2003	0	0	0	0	0
2004	0	3	0	0	3
2005	0	0	0	0	0
2006	0	5	3	0	8
2007	0	1	0	0	1

2008	1	0	0	0	1
2009	0	0	0	0	0
2010	1	0	0	0	1
2011	0	0	0	0	0
2012	3	0	0	0	3
2013	0	0	0	3	3
2014	0	0	0	1	1
2015	0	0	0	0	0
2016	0	0	0	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	0	0	0	0	0
GRAND TOTAL	12	13	3	4	32

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 fault code indicating a problem within the vehicle that **had** met the threshold for activating the check engine light but 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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	215	26	115	13	369
1997	113	21	55	8	197
1998	420	69	235	19	743
1999	179	39	63	12	293
2000	913	121	322	60	1,416
2001	364	97	104	19	584
2002	1,770	332	373	76	2,551
2003	663	189	119	32	1,003
2004	2,747	581	393	131	3,852
2005	1,008	220	126	91	1,445
2006	3,707	671	442	270	5,090

2007	1,166	315	159	97	1,737
2008	3,630	718	550	248	5,146
2009	720	180	90	65	1,055
2010	2,700	463	399	233	3,795
2011	721	255	112	64	1,152
2012	3,049	557	373	237	4,216
2013	781	224	133	69	1,207
2014	2,664	487	423	207	3,781
2015	469	155	109	53	786
2016	1,367	465	298	143	2,273
2017	114	61	70	29	274
2018	329	293	168	78	868
2019	13	16	27	9	65
2020	2	2	5	0	9
2021	0	5	1	0	6
2022	0	0	0	0	0
GRAND TOTAL	29,824	6,562	5,264	2,263	43,913

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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	215	35	86	10	346
1997	137	15	57	10	219
1998	402	54	178	16	650
1999	246	67	50	20	383
2000	840	98	206	45	1,189
2001	457	95	105	38	695
2002	1,463	271	263	75	2,072
2003	559	153	85	48	845
2004	1,863	405	319	85	2,672
2005	697	156	102	48	1,003
2006	2,033	356	235	134	2,758
2007	762	195	97	64	1,118
2008	1,910	357	277	143	2,687
2009	465	105	40	31	641
2010	1,345	238	131	103	1,817
2011	381	101	47	19	548
2012	1,226	223	117	101	1,667
2013	296	82	35	36	449

2014	934	185	112	91	1,322
2015	209	48	43	20	320
2016	477	126	85	59	747
2017	48	23	10	14	95
2018	98	65	26	22	211
2019	5	7	0	2	14
2020	1	2	0	0	3
2021	0	0	0	0	0
	0	0	0	0	0
GRAND TOTAL	17,069	3,462	2,706	1,234	24,471

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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	2,120	219	803	84	3,226
1997	870	142	372	32	1,416
1998	4,332	511	1,544	194	6,581
1999	1,770	407	497	112	2,786
2000	8,536	1,039	2,290	432	12,297
2001	3,108	683	935	161	4,887
2002	15,370	2,636	3,714	693	22,413
2003	5,060	1,154	1,034	278	7,526
2004	22,608	4,102	4,756	971	32,437
2005	7,050	1,697	1,290	577	10,614
2006	30,791	4,427	4,299	1,702	41,219
2007	9,180	2,223	1,481	620	13,504
2008	39,513	6,710	5,754	2,056	54,033
2009	7,780	1,541	901	395	10,617
2010	38,996	5,775	4,866	1,773	51,410
2011	9,430	2,989	1,528	637	14,584
2012	52,517	8,512	6,420	2,477	69,926
2013	11,674	3,415	1,586	704	17,379
2014	61,769	11,452	9,120	2,981	85,322
2015	11,486	4,720	2,178	858	19,242
2016	58,749	19,164	11,444	3,808	93,165
2017	4,027	2,891	1,174	799	8,891
2018	28,185	33,829	10,683	4,967	77,664

2019	1,127	1,558	434	229	3,348
2020	294	219	64	123	700
2021	61	89	20	5	175
2022	3	0	0	0	3
GRAND TOTAL	436,406	122,104	79,187	27,668	665,365

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 CAR	SUV	TRUCK	VAN	GRAND TOTAL
1996	285	31	118	13	447
1997	140	25	62	4	231
1998	615	76	292	31	1,014
1999	357	78	99	22	556
2000	1,035	132	301	60	1,528
2001	1,033	229	282	51	1,595
2002	3,018	557	610	151	4,336
2003	1,242	269	232	78	1,821
2004	3,293	704	864	153	5,014
2005	1,530	327	280	104	2,241
2006	4,037	737	597	223	5,594
2007	1,397	337	260	97	2,091
2008	3,760	712	807	297	5,576
2009	953	211	178	67	1,409
2010	2,486	413	464	171	3,534
2011	951	274	207	90	1,522
2012	2,530	456	376	245	3,607
2013	774	174	182	61	1,191

2014	2,095	324	458	175	3,052
2015	566	127	201	65	959
2016	1,026	244	411	121	1,802
2017	138	32	95	63	328
2018	346	269	204	59	878
2019	9	14	5	5	33
2020	3	2	3	0	8
2021	1	2	3	0	6
2022	0	0	0	0	0
GRAND TOTAL	33,620	6,756	7,591	2,406	50,373

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.

PRIVATE INSPECTION FACILITIES OPERATING ON DECEMBER 31, 2021

Station Number	Company	Address	City	Zip
WIST2040	3 KINGS AUTO SALES LLC	5701 75TH ST	KENOSHA	53142
WIST2030	A & J AUTOMOTIVE	8401 W HAMPTON AVE	MILWAUKEE	53225
WIST5088	ABI AND SONS AUTOMOTIVE	817 44TH ST	KENOSHA	53140
WIST3003	ACCELERATED AUTO SERVICE	667 WEST STATE ST	BURLINGTON	53105
WIST1003	ALLENTON SERVICE	5908 HILLCREST DR	ALLENTON	53002
WIST7020	AMERICAN MUFFLER & AUTOMOTIVE	1008 S PINE ST	BURLINGTON	53105
WIST6042	AMPORT AUTO SERVICE	1324C WHITE ROCK AVE	WAUKESHA	53186
WIST6007	ANDERSON AUTOMOTIVE	240 HIGHLAND DR	FREDONIA	53021
WIST8027	AUTO SAFETY CENTER- WEST BEND	3700 WASHINGTON ST	WEST BEND	53095
WIST5091	AUTO TIME SERVICES LLC	3005 N 15TH ST	SHEBOYGAN	53083
WIST2019	AUTOMOTIVE SOLUTIONS	215 KLEIN LN	SAUKVILLE	53080
WIST8026	AUTOPLEX MKE LLC	6000 W FOREST HOME AVE	MILWAUKEE	53220
WIST8011	B TOWNE AUTO SERVICE	457 FALCON RIDGE DR	BURLINGTON	53105
WIST7115	BLACK TIE AUTO SERVICES	584 W21172 JANESVILLE RD	MUSKEGO	53150
WIST5008	BOBS MAIN STREET AUTO-DECORAH	115 W DECORAH RD	WEST BEND	53095
WIST4045	BOBS MAIN STREET AUTO-MAIN ST	1200 N MAIN ST	WEST BEND	53090
WIST7140	BROOKFIELD AUTO CARE	12425 W NORTH AVE	BROOKFIELD	53005
WIST1012	BUTLER AUTO BODY	4830 N 125TH ST	BUTLER	53007
WIST6004	CHUCK'S MAIN STREET AUTO	N64 W23876 MAIN ST	SUSSEX	53089
WIST5055	CURRIE PARK AUTO CENTER	10745 W CAPITOL DR	WAUWATOSA	53222
WIST3040	D&D AUTOMOTIVE REPAIR INC	1714 ARTHUR CT	WAUKESHA	53188

WIST5005	DAVE'S GARAGE INC-GREENFIELD	5454 W FOREST HOME AVE	GREENFIELD	5322 0
WIST5045	DAVE'S TRUCK & 4X4 REPAIR LLC- JACKSON	2993 SHERMAN RD	JACKSON	5303 7
WIST1020	DONS GARAGE	11916 ANTIOCH RD	TREVOR	5317 9
WIST5015	DURAND AUTOMOTIVE CENTER	1623 DURAND AVE	RACINE	5340 3
WIST7142	DYNAMIC AUTOMOTIVE SOLUTIONS LLC	1230 S WEST AVE	WAUKESHA	5318 6
WIST6033	ERIC VON SCHELDORN-SAUKVILLE	805 E GREEN BAY RD	SAUKVILLE	5308 0
WIST3021	ERIC VON SCHLEDORN-RANDOM LAKE	W4873 COUNTY ROAD RR	RANDOM LAKE	5307 5
WIST2017	EWALD CHEVROLET BUICK LLC-OCONOMOWOC	36833 E WISCONSIN AVE	OCONOMOWOC	5306 6
WIST5085	EWALD CHRYSLER JEEP DODGE RAM	6319 S 108TH ST	FRANKLIN	5313 2
WIST4064	EWALD HARTFORD FORD LLC	2570 E SUMNER ST	HARTFORD	5302 7
WIST4040	EWALD VENUS FORD-CUDAHY	2727 E LAYTON AVE	CUDAHY	5311 0
WIST7081	FARKAS AUTOMOTIVE INC	8008 N SHERMAN BLVD	BROWN DEER	5320 9
WIST5083	FIRST RATE AUTO SERVICE	5424 W STATE ST	MILWAUKEE	5320 8
WIST3022	FLEET 1	0	MILWAUKEE	5322 3
WIST6044	FLEET AUTO SALES & SERVICES LLC	7400 W NATIONAL AVE	WEST ALLIS	5321 4
WIST7138	GAMINO'S AUTO REPAIR	6156 DOUGLAS AVE	RACINE	5340 2
WIST7092	G-BROCKS AUTO REPAIR	375 E. OTTAWA AVE	DOUSMAN	5311 8
WIST6035	GOOD HOPE SERVICE	4230 W GOOD HOPE RD	MILWAUKEE	5320 9
WIST7093	GORDON'S #1 WHEEL SERVICE	3595 N 124TH ST	BROOKFIELD	5300 5
WIST5066	GRADYS BP	6272 SOUTH PACKARD AVE	CUDAHY	5311 0
WIST7135	GRAND MOTORSPORTS	W68N954 WASHINGTON AVE	CEDARBURG	5301 2
WIST5092	GREAT AMERICAN TIRE AND AUTO REPAIR	4106 78TH ST	KENOSHA	5314 2
WIST6022	HALL AUTOMOTIVE	704 BLUEMOUND RD	WAUKESHA	5318 8
WIST7016	HARTLAND SERVICE INC	400 INDUSTRIAL DR	HARTLAND	5302 9
WIST2015	HEISER TOYOTA/SCION INC	11301 W METRO AUTO MALL	MILWAUKEE	5322 4
WIST3041	HIS AUTO	718 ARMOUR RD	OCONOMOWOC	5306 6
WIST7088	HOFFMAN'S AUTO & TIRE	4811 GREENBAY RD	KENOSHA	5314 4
WIST4070	HOOKED UP TOWING AND REPAIR	1420 9TH ST	RACINE	5340 3
WIST7129	HOPSON AUTOMOTIVE	W241 S4165 PINE HOLLOW CT	WAUKESHA	5318 9
WIST8016	ITS ALL GOOD AUTO REPAIR	10125 W LOOMIS RD	FRANKLIN	5313 2
WIST8018	JEFFS AUTOMOTIVE-CUDAHY	5261 S NICHOLSON AVE	CUDAHY	5311 0
WISTT009	JERRY'S AUTOMOTIVE SERVICE LLC	W229 N2467 COUNTY HWY F	WAUKESHA	5318 6
WIST7141	JIFFY LUBE-KENOSHA	3321 MARKET LN	KENOSHA	5314 4

WIST8023	JIFFY LUBE-MUSKEGO	564 W15890 COMMERCE CENTER PKWY	MUSKEGO	53150
WIST4063	JIMS AUTO SERVICE - PLYMOUTH	W4131 MAIN RD	PLYMOUTH	53073
WIST4002	JOE'S SLINGER SERVICE LLC	220 INFO HWY CT	SLINGER	53086
WIST1026	JOHN AMATO CHRYSLER DODGE JEEP RAM	5900 N. GREENBAY AVE	GLENDALE	53209
WIST3013	JOHN AMATO HYUNDAI INC.	8301 N 76TH ST	MILWAUKEE	53223
WIST7022	JOHN PAUL'S GREENFIELD BUICK GMC	3615 S 108TH ST	GREENFIELD	53228
WIST7134	KARLS GARAGE LLC	N6745B STATE ROAD 32	SHEBOYGAN FALLS	53085
WIST4051	KASTENSON AUTO	21445 DURAND AVE	UNION GROVE	53182
WIST3039	KK CAR SERVICE	17125 W GREENFIELD AVE	NEW BERLIN	53151
WIST3014	KOMP TECH AUTOMOTIVE & SERVICE	8832 W GREENFIELD AVE	WEST ALLIS	53214
WIST6060	KRUEGER'S AUTO TECH CENTER INC	W61 N225 CARDINAL AVE	CEDARBURG	53012
WIST4003	KUSCH'S AUTOMOTIVE	136 N 120TH ST	WAUWATOSA	53226
WIST4049	LABELLE AUTO	N56W39413 HIGHWAY 16	OCONOMOWOC	53066
WIST4061	LAKE COUNTRY AUTO CARE INC.	449 HICKORY ST	PEWAUKEE	53072
WIST4014	LAUBENHEIMERS GARAGE LLC	1860 HWY 175 PO BOX 36	RICHFIELD	53076
WIST4032	LAUS TIRE & AUTO	5025 W VILLARD AVE	MILWAUKEE	53218
WIST4053	LIBERTY STREET AUTOMOTIVE	1600 DURAND AVE	RACINE	53403
WIST6013	LUTTER'S ELMBROOK AUTOMOTIVE	16880 GREENFIELD AVE	BROOKFIELD	53005
WIST3032	M & D AUTO SERVICES	W19 N7533 BECKER DR	LANNON	53046
WIST6001	M & M DOUGLAS PARK SERVICE CENTER INC	2101 DOUGLAS AVE	RACINE	53402
WIST6055	M&J AUTO SALES AND SERVICE	3069 STATE HWY 83	HARTFORD	53027
WIST6021	MADDISON AUTOMOTIVE	219 N WALES RD	WALES	53183
WIST7120	MANYO MOTORS	4035 N GREEN BAY AVE	MILWAUKEE	53209
WIST4057	MARKS MOBIL SERVICE LLC	12401 W CLEVELAND AVE	NEW BERLIN	53151
WIST6026	MARTIN FORD SALES INC	19215 SPRING ST	UNION GROVE	53182
WIST3006	MARTIN'S AUTOMOTIVE SERVICE	W230S8750 WYNN DR	BIG BEND	53103
WIST5053	MAYER AUTOMOTIVE LLC	W6082 COUNTY ROAD W	CASCADE	53011
WIST4060	MCDEVITTS TOWING AND SERVICE	5150 60TH ST	KENOSHA	53144
WIST3030	MERLIN 200,000 MILE SHOP	8601 75TH ST	KENOSHA	53142
WIST7103	MEYER MOTORS INC	107 PLAZA LN	PLYMOUTH	53073
WIST6043	MIL-CITY MOTORS LLC	7169 W FOND DU LAC AVE	MILWAUKEE	53218
WIST5090	MONTEZ AUTO REPAIR LLC	11321 W GREENFIELD AVE	WEST ALLIS	53214
WIST4062	MUFFLER MAGIC COMPLETE CAR CARE	9055 N 76TH ST	MILWAUKEE	53223

WIST7094	MUSKEGO TIRE & AUTO	573 W16610 JANESVILLE RD	MUSKEGO	5315 0
WIST8004	NATIONAL AUTO TECH	630 W NATIONAL AVE	MILWAUKEE	5320 4
WIST7095	NATIONAL COMPLETE AUTO CARE	16405 W NATIONAL AVE	NEW BERLIN	5315 1
WIST7014	OAK CREEK AUTOMOTIVE INC	7948 S 27TH ST	OAK CREEK	5315 4
WIST6058	O'GORMANS WEST TOWNE AUTO	7105 W NORTH AVE	WAUWATOSA	5321 3
WIST5029	PALMEN BUICK, GMC, CADILLAC	7110 74TH PL	KENOSHA	5314 2
WIST6018	PAULS BENDER CENTER	8313 22ND AVE	KENOSHA	5314 3
WIST7033	PINKALLA AUTO SOLUTIONS	3059 DURAND AVE	RACINE	5340 3
WIST5017	PRO AUTO CENTER	303 E MONROE AVE	HARTFORD	5302 7
WIST4031	R & R AUTOMOTIVE	6930 39TH AVE	KENOSHA	5314 2
WIST8008	R.K. MOTORS	3700 N HOLTON ST	MILWAUKEE	5321 2
WIST7036	RACINE AUTO SPECIALIST	2320 DOUGLAS AVE	RACINE	5340 2
WIST4071	REFLECTIONS DETAILS	6115 N FLINT RD	GLENDALE	5320 9
WIST7039	RICHFIELD SERVICE	1810 WOLF RD	RICHFIELD	5307 6
WIST4050	RICK'S CAR CARE	6121 W MEQUON RD	MEQUON	5309 2
WIST3035	RIGHTEOUS AUTOS INC.	6142 DOUGLAS AVE	RACINE	5340 2
WISTT0012	RUBY ISLE AUTO	11137 W SILVER SPRING DR	MILWAUKEE	5322 5
WIST5003	RUSS DARROW CHRYSLER JEEP DODGE-METRO AUTO MALL	10901 W METRO AUTO MALL	MILWAUKEE	5322 4
WIST7006	RUSS DARROW CHRYSLER WEST BEND	3210 WEST WASHINGTON ST	WEST BEND	5309 5
WIST7009	RUSS DARROW HONDA-METRO AUTO MALL	10851 W METRO AUTO MALL	MILWAUKEE	5322 4
WIST4026	RUSS DARROW KIA OF WAUWATOSA	1901 N MAYFAIR RD	WAUWATOSA	5322 6
WIST5023	RUSS DARROW MITSUBISHI-WAUKESHA	W226 S1700 HWY 164	WAUKESHA	5318 6
WIST5044	RUSS DARROW NISSAN LLC-METRO BLVD	11212 W METRO BLVD	MILWAUKEE	5322 4
WIST2032	RUSS DARROW NISSAN OF WEST BEND LLC	2665 W WASHINGTON AVE	WEST BEND	5309 5
WIST7049	RUSS DARROW TOYOTA-WEST BEND	2700 WEST WASHINGTON ST	WEST BEND	5309 5
WIST7137	RUTTERS AUTOMOTIVE SERVICE LLC	7550 W APPLETON AVE	MILWAUKEE	5322 2
WIST7011	SALEM AUTO SERVICE	8515 ANTIOCH RD	SALEM	5316 8
WISTT0010	SAMS AUTO SHOP	4315 BYRD AVE	RACINE	5340 5
WISTT005	SCHAEFERS SERVICE CENTER INC	1130 E COMMERCE BLVD	SLINGER	5308 6
WIST5081	SHEBOYGAN CHEVROLET	3400 S BUSINESS DR	SHEBOYGAN	5308 1
WIST7098	SHOREWOOD AUTO REPAIR	1330 E CAPITOL DR	SHOREWOOD	5321 1
WIST7053	SILVER LAKE AUTO SERVICE-SILVER LAKE	551 N COGSWELL DR	SILVER LAKE	5317 0
WIST7055	SOUTH MILWAUKEE CAR CARE CENTER	1221 N CHICAGO AVE	SOUTH MILWAUKEE	5317 2

WIST7056	SOUTHTOWN TIRE & AUTO	2906 S 108TH ST	WEST ALLIS	53227
WIST2035	TECH WAY AUTO	4004 S KINNICKINNIC AVE	SAINT FRANCIS	53235
WIST7061	THEEL AUTO INC.	N8364 COUNTY RD J	ELKHART LAKE	53020
WIST2028	TIRES UNLIMITED AUTOMOTIVE SERVICES	1557 N WISCONSIN ST	PORT WASHINGTON	53074
WIST4068	VALET SERVICES	7501 N. PORT WASHINGTON RD	GLENDALE	53217
WIST6039	VALVOLINE - DELAFIELD	2325 SUN VALLEY DR	DELAFIELD	53018
WIST3024	VALVOLINE - GREENFIELD	4839 S 27TH ST	GREENFIELD	53221
WIST6037	VALVOLINE - KENOSHA	3015 52ND ST	KENOSHA	53142
WIST2024	VALVOLINE - MAIN ST WAUKESHA	1951 E MAIN ST	WAUKESHA	53186
WIST6031	VALVOLINE INSTANT OIL CHANGE- MUSKEGO	W187S7825 LIONS PARK DR	MUSKEGO	53150
WIST7143	VALVOLINE INSTANT OIL CHANGE-GRAFTON	992 PORT WASHINGTON RD	GRAFTON	53024
WIST5089	VALVOLINE INSTANT OIL CHANGE-WEST BEND	2795 E WASHINGTON ST	WEST BEND	53095
WIST2041	VALVOLINE OIL CHANGE-PEWAUKEE	1812 SILVERNAIL RD	PEWAUKEE	53072
WIST6059	VALVOLINE OIL CHANGE-S. PACKARD AVE	5506 S PACKARD AVE	CUDAHY	53110
WIST3034	VALVOLINE SUSSEX	N65 W24922 HIGHWAY VV	SUSSEX	53089
WIST4054	VALVOLINE-PLYMOUTH	1950 EASTERN AVE	PLYMOUTH	53073
WIST7126	VALVOLINE-RACINE	5920 21ST ST	RACINE	53406
WIST1022	VI AUTO REPAIR INC	1552 WISCONSIN AVE	GRAFTON	53024
WIST7070	WEISSMAN AUTOMOTIVE	W140N10455 FOND DU LAC AVE	GERMANTOWN	53022
WIST7106	WILDE TOYOTA	3225 S 108TH ST	WEST ALLIS	53227
WIST7073	WILMOT AUTO SERVICE INC	11307 FOX RIVER RD	WILMOT	53192
Station Number	Company	Address	City	Zip
WIST1021	WISCO AUTOMOTIVE	925 MILWAUKEE AVE UNIT B2	BURLINGTON	53105
WIST7075	WISCONSIN MUFFLER-NEW BERLIN	13320 W COLLEGE AVE	NEW BERLIN	53151
WIST7076	WJ KUHN AUTOMOTIVE CENTER INC	8511 S HOWELL AVE	OAK CREEK	53154
WIST2039	ZWEKABIN AUTOMOTIVE SERVICE	3611 W STATE ST	MILWAUKEE	53208

PRIVATE INSPECTION FACILITIES DEACTIVATED IN 2021

Date of Deactivation	Station Number	Company	Address	City	Zip
1/22/2021	WIST8025	Jesse James Garage LLC	4103 7TH AVE	Kenosha	53140
1/28/2021	WIST1023	Changing Lanes	5700 W. Center	Milwaukee	53209
3/15/2021	WIST6056	Eagle Automotive Performance LLC	3320 Howard AVE	Greenfield	53221
3/25/2021	WIST5049	Chris Auto	14000 W. Greenfield ave	Brookfield	53005
3/30/2021	WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214
4/1/2021	WIST6057	Nord Automotive LLC	7002 W. Center st	Milwaukee	53210
4/15/2021	WIST1016	Tenley Auto	9208 W Capitol Dr	Milwaukee	53222
5/14/2021	WIST2038	Silver Lake Auto Center	15650 W. National Ave	New Berlin	53151
5/14/2021	WIST8001	Silver Lake Auto Center	N76W30620 HWY VV	Hartland	53029
5/14/2021	WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066
5/14/2021	WIST5087	Bully Diesel and Automotive Repair	5819 52nd St.	Kenosha	53144
5/19/2021	WIST5079	Miller Motors	1196 Milwaukee Ave	Burlington	53105
6/18/2021	WIST1024	Autoplex of Milwaukee LLC	5130 W. Forest Home AVE	Milwaukee	53219
6/30/2021	WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149
7/8/2021	WIST1028	Adams& Claybrooks Investments LLC	8822 W. Appleton Ave	Milwaukee	53225
7/15/2021	WIST2025	Lakeshore Mobil	2521 E. Capitol	Shorewood	53211
7/15/2021	WIST7031	Nelson's Automotive	N30 W22383 Green Rd.	Waukesha	53186
7/16/2021	WIST1027	Jiffy Lube-Milwaukee	3604 W. Lincoln AVE	Milwaukee	53215
8/23/2021	WIST5004	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213
8/26/2021	WIST6054	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085
9/10/2021	WIST5084	Sheboygan Auto Helpers	3667 S Taylor Drive	Sheboygan	54081
9/14/2021	WIST7124	Valvoline-Glendale	6100 N Port Washington Rd	Glendale	53217
9/14/2021	WIST7041	Richlonns Tire & Service Center	5131 S. 76th St.	Greendale	53129
9/29/2021	WIST2033	Kerns on 76th	7960 N 76th Street	Milwaukee	53223
9/30/2021	WIST4069	1 Stop Auto and Detailing Service-57th AVE	5911 57th AVE	Kenosha	53144
9/30/2021	WIST4058	Greitens Auto Service	5804 W. Bluemound Rd	Milwaukee	53213
10/18/2021	WIST1030	Welks Automotive Service	8333 W. Layton AVE	Greenfield	53220
10/22/2021	WIST5037	Richlonns Tire & Service Center	4440 S. 108th St.	Greenfield	53228
10/22/2021	WIST7040	Richlonns Tire & Service Center	S78W18755 Janesville Rd	Muskego	53150
10/28/2021	WIST7086	Russ Darrow Kia of Waukesha	2141 E. Moreland Blvd	Waukesha	53186
11/16/2021	WIST8017	Valvoline Cudahy	5912 Packard Ave	Cudahy	53110
11/22/2021	WIST7042	Richlonns Tire & Service Center	2480 W. Sunset Dr.	Waukesha	53189
11/24/2021	WIST7123	Tires Plus - Kenosha	7424 74th Place	Kenosha	53142
12/6/2021	WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095
12/17/2021	WIST8024	1 Stop Auto and Detailing Service	4720 22nd AVE	Kenosha	53140

TECHNICAL ASSISTANCE CENTERS

Station Number	Company	Address	City	Zip
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086
WISTT009	Jerry's Auto Service Inc. (TAC)	W229N2467 Hwy F	Waukesha	53186
WISTT0010	Sams Auto Shop (TAC)	4315 Byrd Avenue	Racine	53405

OVERT AND COVERT PERFORMANCE AUDITS

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

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.

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

(i) Receiving overt performance audits in the year: 180

(ii) Not receiving overt audits in the year: 11

(iii) Receiving covert audits in the year: 156

(iv) Not receiving covert audits in the year: 35

(v) That have been shut down as a result of overt performance audits: 0

COVERT AUDITS

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

There were 254 covert audits conducted in 2021.

FINES, SUSPENSION OR TERMINATION DUE TO AUDIT FAILURES

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

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

13 inspectors and 0 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 1,103 inspectors certified to conduct tests in 2021.

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 were 4 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 191 inspection sites available for testing in 2020.
7 sites had 2 lanes

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 2,262 equipment audits conducted in 2020.

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 2020.

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 630,530 vehicles selected (model years: 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016 and 2018) for notification in 2021. There were an additional estimated 157,134 vehicles selected for notification at change of ownership, for an estimated 787,664 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, 659,466 vehicles receiving mandatory inspections in 2021 received a pass, waiver or diagnostic waiver test result. This is an 83.7 % 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 7,657 temporary plates issued in 2021. WisDOT Vehicle Emissions Inspection Unit issued 15 temporary exemptions, and DMV issued 3,972 temporary exemptions in 2021.

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

One compliance survey was conducted in 2021. Of the 166 vehicles surveyed, 10(6.02%) were registered out of the program area. Of the 156 vehicles subject to emissions testing, 6 vehicles (3.85%) were not in compliance, resulting in a 96.15% compliance rate.

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 2021, WisDOT personnel completed investigations on 189 vehicles that listed domicile outside of the program area but were suspected of being kept in the program area. After receiving notification from WisDOT, 93 vehicles submitted to testing and received a passing result; 38 vehicles were suspended for failing to comply; 23 were junked or sold and 35 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.

In 2021, the compliance rate for mandatory testing requirements was 83.72%. 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.

Registration files are reviewed in conjunction with investigations of vehicles with domicile listed outside of the program area. Of the 1,145 registration files reviewed, . After receiving notification from WisDOT, 93 vehicles submitted to testing and received a passing result; 38 vehicles were suspended for failing to comply; 23 were junked or sold and 35 provided verification that they were being kept outside of the program area.

Also, 189 registration files were reviewed in conjunction with a compliance survey. Of the 166 vehicles surveyed, 10(6.02%) were registered out of the program area. Of the 156 vehicles subject to emissions testing, 6 vehicles (3.85%) were not in compliance, resulting in a 96.15% compliance rate.

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

40 CFR 51.366 (a)(3)

INITIAL TEST VOLUME BY MODEL YEAR AND STATION

Station ID	Total	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
WIST1003	1,262	6	1	14	5	35	11	55	12	71	19	87	17	100	17	87	26	130	28	183	19	178	17	139	4	0	1	0
WIST1012	390	1	0	2	1	8	4	13	4	20	8	18	8	35	11	35	6	19	12	45	16	61	5	49	7	2	0	0
WIST1016	119	1	0	1	1	3	0	5	2	12	1	6	6	9	2	6	4	9	7	14	4	12	1	13	0	0	0	0
WIST1020	706	3	1	14	5	10	6	31	11	33	9	47	14	55	15	61	20	54	21	71	21	101	11	86	5	1	0	0
WIST1021	1,274	5	3	14	5	22	15	47	13	59	14	81	26	72	23	81	20	124	31	178	42	196	27	166	6	3	1	0
WIST1022	2,071	10	2	15	2	36	10	60	19	100	20	130	38	128	27	180	37	236	43	285	44	329	33	275	11	1	0	0
WIST1024	869	7	1	20	7	29	11	42	11	42	30	59	22	97	25	89	41	73	35	75	32	65	6	50	0	0	0	0
WIST1026	9,063	31	12	60	16	80	35	182	48	316	120	444	153	653	123	776	196	1,005	232	1,260	329	1,406	156	1,346	59	23	2	0
WIST1027	7,929	62	53	137	81	245	145	468	244	652	283	648	282	785	209	619	237	684	275	622	227	513	78	364	8	8	0	0
WIST1028	192	1	1	2	1	3	5	11	8	8	7	15	10	20	3	15	11	19	10	11	6	11	2	10	0	2	0	0
WIST1030	673	10	0	4	3	14	6	30	3	39	11	49	9	48	8	60	9	91	11	68	19	84	1	94	0	2	0	0
WIST2015	4,013	12	5	25	12	59	24	97	30	199	54	220	67	322	61	342	81	433	126	517	118	577	60	518	38	14	2	0
WIST2017	4,544	18	5	35	10	60	32	109	25	140	41	226	63	336	44	325	68	487	124	680	125	750	68	729	37	3	3	1
WIST2019	1,418	4	1	30	8	36	20	64	10	74	28	83	15	126	18	107	34	145	36	172	32	172	15	173	12	3	0	0
WIST2021	8,089	34	16	80	28	172	49	262	77	376	125	515	150	695	136	583	151	914	193	1,102	222	1,153	88	916	44	7	1	0
WIST2024	2,576	11	8	22	11	53	12	83	24	136	47	154	50	226	45	215	57	267	63	332	89	367	28	261	14	1	0	0
WIST2025	84	0	0	1	0	1	0	2	1	2	2	12	0	1	1	13	5	7	4	13	3	8	2	6	0	0	0	0
WIST2028	3,946	19	6	33	11	85	29	133	35	215	39	224	61	338	38	300	71	431	76	538	122	603	47	468	17	3	4	0
WIST2029	8,586	21	12	48	18	102	50	227	60	340	99	488	144	687	109	745	165	989	198	1,194	244	1,342	118	1,125	53	7	1	0
WIST2030	2,398	16	10	20	17	47	32	112	58	180	89	210	95	231	66	197	78	207	96	243	76	171	20	123	1	2	1	0
WIST2031	3,642	31	5	32	11	67	34	114	44	173	50	220	72	322	47	273	68	362	75	527	80	567	26	435	3	3	1	0
WIST2032	210	1	0	0	2	1	1	3	0	4	1	5	3	13	3	15	6	21	4	33	1	36	3	48	5	1	0	0
WIST2033	83	1	0	0	2	5	0	3	2	5	1	11	1	11	5	9	2	5	3	3	3	7	3	1	0	0	0	0
WIST2035	7,276	34	18	77	35	165	52	231	122	394	143	499	153	623	156	578	192	744	196	910	215	900	91	718	27	2	1	0
WIST4064	1,147	3	0	3	8	7	5	31	14	40	20	43	9	80	12	77	24	116	32	171	38	191	20	198	4	1	0	0
WIST4068	1,778	6	1	11	4	33	8	33	6	56	19	101	25	102	17	147	22	186	44	255	56	280	22	320	19	5	0	0

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WIST4069	18	0	0	0	0	0	0	1	0	1	1	1	0	3	0	1	1	2	0	1	2	2	0	1	0	1	0	0
WIST4070	24	1	0	0	0	0	3	0	0	2	3	0	1	5	0	2	1	1	1	1	1	0	0	1	0	0	1	0
WIST4071	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
WIST5003	1,159	4	4	10	6	13	6	35	12	34	19	71	21	92	14	61	24	97	36	171	52	148	29	187	9	3	1	0
WIST5004	3,901	23	2	33	11	54	25	104	35	182	54	235	76	303	60	355	73	456	97	525	99	606	44	445	2	1	1	0
WIST5005	3,071	24	16	41	22	89	28	168	41	238	49	280	66	272	44	261	56	293	61	347	57	304	29	277	6	2	0	0
WIST5008	6,947	26	14	84	20	133	61	250	78	362	98	494	104	584	85	487	140	782	143	956	176	986	79	760	41	3	1	0
WIST5015	4,587	38	29	54	31	144	52	229	76	292	121	354	137	369	88	295	114	427	160	481	118	506	58	398	16	0	0	0
WIST5017	4,127	23	11	51	12	86	33	168	57	225	60	293	76	363	58	342	83	426	99	514	97	567	46	415	16	5	1	0
WIST5023	1,918	2	1	23	6	33	16	56	18	78	28	132	37	153	31	153	66	196	37	233	65	264	27	250	11	2	0	0
WIST5029	5,056	16	8	54	16	95	19	163	34	230	71	263	77	391	58	359	82	536	114	730	124	815	61	715	12	11	2	0
WIST5037	169	1	0	1	1	3	3	8	0	8	1	10	7	20	1	18	2	22	6	21	4	18	0	12	0	2	0	0
WIST5044	1,129	3	1	1	2	8	5	20	9	36	19	42	26	89	21	75	29	103	45	160	43	176	24	178	11	2	1	0
WIST5045	238	5	0	4	0	10	2	20	5	10	5	15	2	27	0	13	6	25	5	23	5	31	2	21	2	0	0	0
WIST5049	1,908	4	2	18	2	34	16	59	16	107	30	117	28	127	30	171	28	204	34	263	40	307	26	241	1	3	0	0
WIST5053	1,137	10	8	23	8	31	16	75	11	98	16	101	22	106	14	87	17	96	28	113	25	125	10	79	6	12	0	0
WIST5055	15,056	71	33	164	81	284	121	576	255	898	365	1,044	468	1,333	353	1,207	475	1,455	500	1,668	475	1,728	248	1,182	50	18	4	0
WIST5058	847	5	1	7	3	18	15	23	21	43	29	61	43	66	35	52	18	87	30	95	37	85	13	58	1	1	0	0
WIST5066	7,597	54	24	89	48	212	62	365	103	482	152	578	182	674	181	640	195	711	186	914	216	833	75	578	36	4	3	0
WIST5074	2,599	11	5	24	15	39	20	72	42	120	71	161	83	213	65	200	60	274	87	323	88	313	41	232	35	4	1	0
WIST5077	14,912	65	16	128	55	266	62	423	140	705	182	898	246	1,221	190	1,128	286	1,726	354	2,157	392	2,265	188	1,736	69	12	1	1
WIST5079	552	1	0	2	3	7	4	10	2	21	5	27	6	31	4	37	13	52	8	87	18	101	13	99	1	0	0	0
WIST5081	24,950	115	58	287	108	555	183	928	284	1,348	423	1,659	537	2,154	384	1,854	508	2,643	632	3,161	687	3,269	284	2,730	131	19	9	0
WIST5083	2,243	12	7	34	18	39	24	75	46	148	40	147	67	214	53	182	81	180	84	240	88	253	22	184	5	0	0	0
WIST5084	330	7	0	5	0	8	1	14	3	20	3	22	3	34	5	29	7	39	7	38	12	43	2	27	0	1	0	0
WIST5085	4,336	12	7	23	5	55	17	93	18	145	42	212	57	291	50	325	72	446	91	656	121	693	72	793	30	10	0	0
WIST5086	7,143	39	10	55	16	128	37	222	42	305	88	488	122	578	96	570	130	828	154	904	183	1,043	113	935	44	10	3	0

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WIST5087	465	4	0	3	1	18	5	18	6	22	13	20	15	34	6	41	10	33	12	58	16	61	8	58	1	2	0	0
WIST5088	839	5	2	13	5	14	13	41	17	52	7	60	23	87	6	63	23	76	22	96	21	103	12	77	0	1	0	0
WIST5089	1,479	1	1	14	5	23	9	45	18	60	21	78	28	124	24	108	41	163	31	194	52	233	21	182	2	1	0	0
WIST5090	5,659	40	22	68	20	129	49	224	98	300	103	427	143	526	118	409	156	542	175	674	158	658	64	528	22	6	0	0
WIST5091	673	12	2	7	5	27	5	37	8	41	12	43	15	58	19	53	11	65	17	78	17	68	6	60	6	1	0	0
WIST5092	2,055	13	10	31	8	42	18	89	31	100	30	123	58	166	47	147	49	207	52	222	64	259	37	231	17	4	0	0
WIST6001	10,443	101	51	196	85	325	145	556	211	727	303	827	331	948	199	731	232	971	248	1,072	246	1,019	84	786	37	9	3	0
WIST6004	6,814	20	9	55	18	100	23	163	55	292	74	417	84	577	66	561	123	721	139	977	151	1,135	63	965	22	2	2	0
WIST6007	658	12	4	17	2	23	2	33	9	33	9	45	20	59	7	52	14	77	12	84	11	69	3	59	2	0	0	0
WIST6013	806	1	0	9	1	9	4	34	3	33	9	47	13	58	9	65	12	71	32	108	29	124	24	96	14	1	0	0
WIST6018	4,276	34	9	58	15	98	30	204	68	250	79	325	104	345	68	305	82	423	108	523	122	511	47	431	35	1	1	0
WIST6021	2,648	7	3	29	6	41	7	67	25	125	22	146	40	224	27	190	38	294	66	351	66	426	40	390	17	1	0	0
WIST6022	5,333	25	6	29	15	78	19	162	37	229	54	292	74	378	63	407	98	601	142	741	141	900	80	715	40	4	3	0
WIST6026	2,101	13	5	20	11	29	13	61	12	96	23	119	37	143	23	135	40	207	48	322	57	341	35	293	18	0	0	0
WIST6031	4,683	17	13	41	23	97	34	189	40	251	52	309	74	356	70	357	96	517	112	661	95	649	49	559	19	3	0	0
WIST6033	775	0	0	4	1	6	5	17	2	34	9	41	4	61	11	62	6	82	15	122	20	124	14	124	11	0	0	0
WIST6035	2,859	7	5	27	14	65	32	109	50	142	62	179	97	238	59	226	87	283	89	301	83	350	42	283	19	9	1	0
WIST6037	5,654	45	19	74	46	158	72	307	97	369	118	463	141	510	102	418	139	566	157	601	135	607	59	431	10	8	2	0
WIST6039	2,173	7	4	16	6	19	17	49	13	85	27	93	29	150	27	155	36	254	60	321	81	340	49	310	18	7	0	0
WIST6042	2,155	13	7	31	12	67	11	108	30	131	40	158	49	173	34	192	54	212	36	256	57	259	28	180	16	0	1	0
WIST6043	4,573	34	15	63	44	146	79	233	119	347	139	388	185	502	142	315	166	374	142	388	130	345	32	240	5	0	0	0
WIST6044	5,861	38	18	92	34	156	58	314	87	422	120	461	147	530	127	506	160	568	169	621	148	570	57	440	15	1	2	0
WIST6054	787	4	3	11	4	27	6	32	3	53	7	55	11	70	11	60	12	89	14	118	8	96	3	89	0	1	0	0
WIST6055	1,281	8	1	11	3	23	18	43	11	66	14	77	16	109	23	97	21	127	33	167	17	203	16	169	7	1	0	0
WIST6056	303	0	1	2	2	3	4	13	9	9	8	20	3	26	3	20	7	37	11	37	11	38	5	34	0	0	0	0
WIST7137	190	1	0	0	0	5	1	14	1	7	4	9	5	17	2	14	5	25	9	21	10	21	1	16	2	0	0	0
WIST7138	1,199	5	2	13	7	18	6	35	13	66	24	76	37	108	32	97	13	127	30	121	26	165	14	160	4	0	0	0

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WIST7140	5,368	13	8	23	6	53	21	132	30	204	38	254	63	373	58	440	95	623	125	741	148	934	98	848	29	7	4	0
WIST7141	6,663	31	16	63	21	98	43	209	73	270	87	380	140	463	112	442	151	720	197	853	213	1,053	100	869	50	8	1	0
WIST7142	263	1	3	1	2	6	5	14	4	17	4	16	11	21	11	13	8	23	8	26	11	31	4	16	6	1	0	0
WIST7143	91	0	0	1	0	1	0	0	0	1	3	1	2	3	3	2	2	7	4	10	6	10	13	8	6	8	0	0
WIST8001	726	3	0	2	3	12	3	17	4	27	13	36	8	48	12	57	11	81	12	95	19	126	11	124	1	1	0	0
WIST8003	488	97	8	0	13	14	6	11	3	9	12	24	15	1	0	45	0	193	1	10	2	0	0	0	0	24	0	0
WIST8004	8,404	87	49	146	70	275	146	582	215	704	334	803	324	803	224	612	295	703	297	629	215	517	55	298	14	6	1	0
WIST8008	7,486	49	31	95	67	189	109	369	180	479	234	545	302	680	188	583	249	679	265	678	253	678	85	466	25	5	3	0
WIST8009	5,150	24	13	30	15	93	26	162	49	224	67	328	81	382	70	428	80	586	133	740	140	793	49	607	24	6	0	0
WIST8011	8,391	48	15	87	37	183	48	323	81	418	111	550	132	711	101	632	143	886	193	1,135	220	1,208	97	979	51	1	1	0
WIST8016	3,146	21	9	34	8	66	10	93	16	149	35	181	38	223	32	238	56	382	53	408	74	492	41	466	20	1	0	0
WIST8017	3,101	13	11	25	13	71	21	108	38	170	52	194	68	269	56	257	68	315	67	423	93	422	14	323	8	1	1	0
WISTT003	392	1	2	4	1	6	6	20	7	16	4	24	18	30	10	32	16	36	15	35	17	43	11	38	0	0	0	0
WISTT005	3,250	15	8	32	10	54	12	113	22	126	34	184	43	233	31	261	51	362	71	438	108	499	45	473	24	1	0	0
WISTT009	10,640	47	17	76	28	151	59	279	97	482	120	631	189	824	124	816	201	1,174	268	1,423	327	1,683	179	1,379	52	10	4	0
Totals:	711,526	3,740	1,713	7,537	3,161	14,294	5,553	25,601	8,646	37,071	12,130	46,992	15,093	59,034	11,571	55,111	15,608	74,004	18,475	88,959	19,917	95,374	9,116	78,515	3,419	708	181	3

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Station ID	Total	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
WIST1003	1,203	6	1	11	4	30	11	50	12	65	17	82	16	98	15	83	25	121	28	176	19	175	15	138	4	0	1	0
# Fail	27	0	0	0	0	2	0	5	2	2	2	0	1	2	1	1	2	2	0	4	0	1	0	0	0	0	0	0
% Fail	2.2%	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%	10.0%	16.7%	3.1%	11.8%	0.0%	6.3%	2.0%	6.7%	1.2%	8.0%	1.7%	0.0%	2.3%	0.0%	0.6%	0.0%	0.0%	0.0%	--	0.0%	--
WIST1012	358	1	0	2	1	7	3	12	3	17	6	17	7	32	9	31	6	19	12	40	12	59	5	48	7	2	0	0
# Fail	10	0	0	0	0	0	1	0	0	0	1	1	1	0	0	1	0	1	1	2	0	0	0	1	0	0	0	0
% Fail	2.8%	0.0%	--	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	16.7%	5.9%	14.3%	0.0%	0.0%	3.2%	0.0%	5.3%	8.3%	5.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	--	--
WIST1016	114	1	0	1	1	3	0	2	2	12	1	6	6	8	2	6	4	8	7	14	4	12	1	13	0	0	0	0
# Fail	4	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
% Fail	3.5%	0.0%	--	0.0%	0.0%	33.3%	--	0.0%	0.0%	0.0%	0.0%	16.7%	0.0%	0.0%	0.0%	16.7%	0.0%	0.0%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST1020	666	3	1	14	5	8	6	26	10	31	7	44	13	48	13	59	18	50	20	70	20	101	10	83	5	1	0	0
# Fail	12	0	0	1	0	1	1	0	0	0	1	2	0	1	1	1	0	1	0	0	1	0	1	0	0	0	0	0
% Fail	1.8%	0.0%	0.0%	7.1%	0.0%	12.5%	16.7%	0.0%	0.0%	0.0%	14.3%	4.5%	0.0%	2.1%	7.7%	1.7%	0.0%	2.0%	0.0%	0.0%	5.0%	0.0%	10.0%	0.0%	0.0%	0.0%	--	--
WIST1021	1,229	5	3	13	5	22	13	45	13	51	13	76	26	69	21	78	19	117	30	175	40	194	25	166	6	3	1	0
# Fail	32	0	1	2	0	3	0	2	2	1	0	1	0	3	2	4	1	4	0	1	2	2	0	1	0	0	0	0
% Fail	2.6%	0.0%	33.3%	15.4%	0.0%	13.6%	0.0%	4.4%	15.4%	2.0%	0.0%	1.3%	0.0%	4.3%	9.5%	5.1%	5.3%	3.4%	0.0%	0.6%	5.0%	1.0%	0.0%	0.6%	0.0%	0.0%	0.0%	--
WIST1022	1,983	10	2	14	2	31	8	49	11	90	17	123	33	125	27	171	35	231	43	277	44	321	33	274	11	1	0	0
# Fail	33	0	0	0	0	0	3	1	0	1	1	7	0	4	0	5	0	6	0	2	1	0	1	1	0	0	0	0
% Fail	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	37.5%	2.0%	0.0%	1.1%	5.9%	5.7%	0.0%	3.2%	0.0%	2.9%	0.0%	2.6%	0.0%	0.7%	2.3%	0.0%	3.0%	0.4%	0.0%	0.0%	--	--
WIST1024	800	6	1	19	7	27	6	39	10	41	22	53	22	85	21	76	37	69	34	72	32	65	6	50	0	0	0	0
# Fail	28	0	1	1	1	2	0	2	1	6	0	4	1	0	2	2	2	0	1	1	1	0	0	0	0	0	0	0
% Fail	3.5%	0.0%	100%	5.3%	14.3%	7.4%	0.0%	5.1%	10.0%	14.6%	0.0%	7.5%	4.5%	0.0%	9.5%	2.6%	5.4%	0.0%	2.9%	1.4%	3.1%	0.0%	0.0%	0.0%	--	--	--	--
WIST1026	8,684	26	12	50	12	79	31	168	46	296	107	415	136	611	107	724	185	976	220	1,226	311	1,384	154	1,325	58	23	2	0
# Fail	214	2	0	3	3	10	4	9	4	25	12	24	8	21	10	19	2	19	4	19	4	8	0	4	0	0	0	0
% Fail	2.5%	7.7%	0.0%	6.0%	25.0%	12.7%	12.9%	5.4%	8.7%	8.4%	11.2%	5.8%	5.9%	3.4%	9.3%	2.6%	1.1%	1.9%	1.8%	1.5%	1.3%	0.6%	0.0%	0.3%	0.0%	0.0%	0.0%	--
WIST1027	6,960	50	42	116	65	213	103	370	190	561	217	546	240	693	170	540	216	628	253	587	211	501	76	356	8	8	0	0
# Fail	426	4	5	19	15	28	18	32	29	50	23	40	24	46	12	22	8	22	7	8	1	8	1	4	0	0	0	0
% Fail	6.1%	8.0%	11.9%	16.4%	23.1%	13.1%	17.5%	8.6%	15.3%	8.9%	10.6%	7.3%	10.0%	6.6%	7.1%	4.1%	3.7%	3.5%	2.8%	1.4%	0.5%	1.6%	1.3%	1.1%	0.0%	0.0%	--	--
WIST1028	179	1	1	1	1	3	4	10	8	7	7	14	8	18	3	15	9	18	10	11	6	10	2	10	0	2	0	0
# Fail	15	0	0	0	0	0	1	1	0	1	0	3	1	4	0	0	0	0	1	3	0	0	0	0	0	0	0	0
% Fail	8.4%	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	10.0%	0.0%	14.3%	0.0%	21.4%	12.5%	22.2%	0.0%	0.0%	0.0%	0.0%	10.0%	27.3%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	--
WIST1030	640	7	0	3	3	13	5	28	3	37	10	43	7	44	8	55	9	87	11	68	19	83	1	94	0	2	0	0
# Fail	29	0	0	1	1	3	1	4	0	3	1	5	0	3	0	1	1	3	0	1	0	1	0	0	0	0	0	0
% Fail	4.5%	0.0%	--	33.3%	33.3%	23.1%	20.0%	14.3%	0.0%	8.1%	10.0%	11.6%	0.0%	6.8%	0.0%	1.8%	11.1%	3.4%	0.0%	1.5%	0.0%	1.2%	0.0%	0.0%	--	0.0%	--	--
WIST2015	3,820	12	5	20	10	53	16	88	23	170	48	199	63	311	60	328	77	414	122	500	109	566	58	515	37	14	2	0

# Fail	84	1	0	4	0	8	0	8	2	11	4	10	4	8	1	8	0	4	4	3	0	3	0	1	0	0	0	0
% Fail	2.2%	8.3%	0.0%	20.0%	0.0%	15.1%	0.0%	9.1%	8.7%	6.5%	8.3%	5.0%	6.3%	2.6%	1.7%	2.4%	0.0%	1.0%	3.3%	0.6%	0.0%	0.5%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST2017	4,363	13	5	34	10	55	28	99	20	128	38	205	59	316	44	317	65	466	121	662	117	734	64	719	37	3	3	1
# Fail	78	1	0	3	0	2	2	6	3	9	4	9	3	8	2	4	1	5	0	8	1	4	1	2	0	0	0	0
% Fail	1.8%	7.7%	0.0%	8.8%	0.0%	3.6%	7.1%	6.1%	15.0%	7.0%	10.5%	4.4%	5.1%	2.5%	4.5%	1.3%	1.5%	1.1%	0.0%	1.2%	0.9%	0.5%	1.6%	0.3%	0.0%	0.0%	0.0%	0.0%
WIST2019	1,351	4	0	22	7	35	8	54	10	69	24	80	15	120	16	98	34	144	36	170	30	172	15	173	12	3	0	0
# Fail	28	0	0	0	0	3	0	3	0	2	1	5	0	3	0	3	0	4	1	2	0	0	0	1	0	0	0	0
% Fail	2.1%	0.0%	--	0.0%	0.0%	8.6%	0.0%	5.6%	0.0%	2.9%	4.2%	6.3%	0.0%	2.5%	0.0%	3.1%	0.0%	2.8%	2.8%	1.2%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	--	--
WIST2021	7,641	34	15	72	24	158	39	230	75	339	111	469	125	623	116	559	143	864	182	1,070	219	1,135	85	904	43	6	1	0
# Fail	182	1	1	4	0	10	8	13	3	17	4	15	4	24	5	21	5	19	1	18	2	5	1	1	0	0	0	0
% Fail	2.4%	2.9%	6.7%	5.6%	0.0%	6.3%	20.5%	5.7%	4.0%	5.0%	3.6%	3.2%	3.2%	3.9%	4.3%	3.8%	3.5%	2.2%	0.5%	1.7%	0.9%	0.4%	1.2%	0.1%	0.0%	0.0%	0.0%	--
WIST2024	2,450	10	8	21	9	45	12	74	20	130	45	143	48	206	38	209	51	261	59	324	86	361	25	253	11	1	0	0
# Fail	57	0	0	0	1	6	0	6	1	5	3	3	3	6	2	7	1	4	0	4	3	2	0	0	0	0	0	0
% Fail	2.3%	0.0%	0.0%	0.0%	11.1%	13.3%	0.0%	8.1%	5.0%	3.8%	6.7%	2.1%	6.3%	2.9%	5.3%	3.3%	2.0%	1.5%	0.0%	1.2%	3.5%	0.6%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2025	79	0	0	1	0	1	0	2	0	1	2	12	0	1	1	13	5	7	3	11	3	8	2	6	0	0	0	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	0.0%	--	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST2028	3,778	18	6	31	11	77	23	123	31	206	36	212	57	317	37	278	61	421	68	519	119	594	46	465	17	2	3	0
# Fail	74	0	1	1	1	4	2	10	1	14	3	6	4	11	0	3	0	4	1	5	0	2	0	1	0	0	0	0
% Fail	2.0%	0.0%	16.7%	3.2%	9.1%	5.2%	8.7%	8.1%	3.2%	6.8%	8.3%	2.8%	7.0%	3.5%	0.0%	1.1%	0.0%	1.0%	1.5%	1.0%	0.0%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST2029	8,177	20	12	45	15	93	37	199	55	311	77	458	133	626	93	705	153	949	190	1,163	240	1,314	117	1,113	51	7	1	0
# Fail	180	1	1	4	1	2	3	12	4	19	7	20	13	15	0	17	3	18	5	20	3	10	2	0	0	0	0	0
% Fail	2.2%	5.0%	8.3%	8.9%	6.7%	2.2%	8.1%	6.0%	7.3%	6.1%	9.1%	4.4%	9.8%	2.4%	0.0%	2.4%	2.0%	1.9%	2.6%	1.7%	1.3%	0.8%	1.7%	0.0%	0.0%	0.0%	0.0%	--
WIST2030	2,090	14	9	19	15	40	26	82	48	148	71	163	78	205	55	167	69	184	89	229	72	167	20	116	1	2	1	0
# Fail	150	1	1	1	3	7	8	11	7	13	11	19	6	11	3	14	9	11	4	3	3	3	0	1	0	0	0	0
% Fail	7.2%	7.1%	11.1%	5.3%	20.0%	17.5%	30.8%	13.4%	14.6%	8.8%	15.5%	11.7%	7.7%	5.4%	5.5%	8.4%	13.0%	6.0%	4.5%	1.3%	4.2%	1.8%	0.0%	0.9%	0.0%	0.0%	0.0%	--
WIST2031	3,435	26	4	30	10	61	20	103	33	155	43	200	66	299	42	254	62	352	69	508	78	557	25	431	3	3	1	0
# Fail	98	2	0	3	1	8	2	6	6	13	5	8	5	9	0	8	1	6	1	8	0	6	0	0	0	0	0	0
% Fail	2.9%	7.7%	0.0%	10.0%	10.0%	13.1%	10.0%	5.8%	18.2%	8.4%	11.6%	4.0%	7.6%	3.0%	0.0%	3.1%	1.6%	1.7%	1.4%	1.6%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST2032	194	1	0	0	2	1	1	3	0	4	1	3	3	11	3	15	3	18	4	32	1	33	3	46	5	1	0	0
# Fail	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	1.0%	0.0%	--	--	50.0%	0.0%	0.0%	0.0%	--	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2033	73	0	0	0	2	3	0	2	2	4	1	10	1	9	5	9	2	4	2	3	3	7	3	1	0	0	0	0
# Fail	5	0	0	0	0	0	0	0	0	1	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	6.8%	--	--	--	0.0%	0.0%	--	0.0%	0.0%	25.0%	0.0%	10.0%	0.0%	22.2%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST2035	6,834	33	15	65	30	150	43	205	105	351	130	456	136	571	144	546	180	715	182	873	205	874	87	708	27	2	1	0
# Fail	254	2	1	6	5	18	3	26	10	31	11	30	8	31	7	14	4	21	5	8	3	7	1	2	0	0	0	0
% Fail	3.7%	6.1%	6.7%	9.2%	16.7%	12.0%	7.0%	12.7%	9.5%	8.8%	8.5%	6.6%	5.9%	5.4%	4.9%	2.6%	2.2%	2.9%	2.7%	0.9%	1.5%	0.8%	1.1%	0.3%	0.0%	0.0%	0.0%	--
WIST2038	1,246	2	0	8	2	16	3	22	7	40	6	76	15	80	5	101	17	128	24	192	19	229	16	236	1	0	1	0

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# Fail	20	0	0	0	0	0	0	2	0	3	1	2	1	3	1	1	1	2	0	2	0	1	0	0	0	0	0	0
% Fail	1.6%	0.0%	--	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	7.5%	16.7%	2.6%	6.7%	3.8%	20.0%	1.0%	5.9%	1.6%	0.0%	1.0%	0.0%	0.4%	0.0%	0.0%	0.0%	--	0.0%	--
WIST2039	1,129	6	1	18	5	27	7	36	25	73	43	93	38	98	37	103	40	112	40	109	46	88	12	65	5	2	0	0
# Fail	64	0	0	1	2	2	0	4	2	8	3	6	4	9	5	4	1	3	3	5	1	1	0	0	0	0	0	0
% Fail	5.7%	0.0%	0.0%	5.6%	40.0%	7.4%	0.0%	11.1%	8.0%	11.0%	7.0%	6.5%	10.5%	9.2%	13.5%	3.9%	2.5%	2.7%	7.5%	4.6%	2.2%	1.1%	0.0%	0.0%	0.0%	0.0%	--	--
WIST2040	1,140	9	4	11	5	23	12	41	17	63	21	85	21	107	23	83	30	97	30	149	30	149	14	114	2	0	0	0
# Fail	27	0	0	0	0	1	1	2	0	2	1	10	0	2	1	1	0	2	0	1	1	1	0	1	0	0	0	0
% Fail	2.4%	0.0%	0.0%	0.0%	0.0%	4.3%	8.3%	4.9%	0.0%	3.2%	4.8%	11.8%	0.0%	1.9%	4.3%	1.2%	0.0%	2.1%	0.0%	0.7%	3.3%	0.7%	0.0%	0.9%	0.0%	--	--	--
WIST2041	3,487	9	3	18	11	57	11	81	21	146	36	181	51	260	38	282	55	438	85	502	79	586	39	470	26	2	0	0
# Fail	110	1	0	1	2	5	0	9	2	13	5	12	3	13	2	6	4	10	1	9	3	3	0	3	3	0	0	0
% Fail	3.2%	11.1%	0.0%	5.6%	18.2%	8.8%	0.0%	11.1%	9.5%	8.9%	13.9%	6.6%	5.9%	5.0%	5.3%	2.1%	7.3%	2.3%	1.2%	1.8%	3.8%	0.5%	0.0%	0.6%	11.5%	0.0%	--	--
WIST3003	1,381	12	3	24	4	28	13	74	17	61	17	113	18	101	11	79	27	139	37	181	37	194	17	169	4	1	0	0
# Fail	40	0	1	2	0	3	0	7	1	3	2	6	0	3	1	2	0	5	0	2	0	0	2	0	0	0	0	0
% Fail	2.9%	0.0%	33.3%	8.3%	0.0%	10.7%	0.0%	9.5%	5.9%	4.9%	11.8%	5.3%	0.0%	3.0%	9.1%	2.5%	0.0%	3.6%	0.0%	1.1%	0.0%	0.0%	11.8%	0.0%	0.0%	0.0%	--	--
WIST3005	2,510	10	1	26	5	39	14	71	15	116	13	135	29	188	16	174	40	249	50	390	51	488	12	370	5	3	0	0
# Fail	49	0	0	3	1	3	2	5	1	5	0	7	3	4	0	5	1	1	1	1	0	5	0	1	0	0	0	0
% Fail	2.0%	0.0%	0.0%	11.5%	20.0%	7.7%	14.3%	7.0%	6.7%	4.3%	0.0%	5.2%	10.3%	2.1%	0.0%	2.9%	2.5%	0.4%	2.0%	0.3%	0.0%	1.0%	0.0%	0.3%	0.0%	0.0%	--	--
WIST3006	2,729	25	8	29	10	59	21	91	22	152	35	189	38	226	37	182	55	287	64	327	68	385	45	357	17	0	0	0
# Fail	79	2	1	2	0	3	3	4	2	6	4	8	5	8	0	5	5	6	3	8	0	3	0	1	0	0	0	0
% Fail	2.9%	8.0%	12.5%	6.9%	0.0%	5.1%	14.3%	4.4%	9.1%	3.9%	11.4%	4.2%	13.2%	3.5%	0.0%	2.7%	9.1%	2.1%	4.7%	2.4%	0.0%	0.8%	0.0%	0.3%	0.0%	--	--	--
WIST3013	5,120	24	11	53	18	85	45	156	81	255	99	305	146	454	111	368	173	475	198	578	178	616	114	528	36	9	4	0
# Fail	227	3	1	10	3	7	4	19	6	20	9	23	11	28	4	17	8	14	8	10	4	11	3	4	0	0	0	0
% Fail	4.4%	12.5%	9.1%	18.9%	16.7%	8.2%	8.9%	12.2%	7.4%	7.8%	9.1%	7.5%	7.5%	6.2%	3.6%	4.6%	4.6%	2.9%	4.0%	1.7%	2.2%	1.8%	2.6%	0.8%	0.0%	0.0%	0.0%	--
WIST3014	9,756	65	41	121	66	243	103	448	170	567	253	770	272	880	209	792	246	953	314	1,005	286	1,071	123	735	15	8	0	0
# Fail	411	8	3	8	7	25	12	33	18	31	22	54	15	47	17	33	9	23	11	14	6	11	1	2	1	0	0	0
% Fail	4.2%	12.3%	7.3%	6.6%	10.6%	10.3%	11.7%	7.4%	10.6%	5.5%	8.7%	7.0%	5.5%	5.3%	8.1%	4.2%	3.7%	2.4%	3.5%	1.4%	2.1%	1.0%	0.8%	0.3%	6.7%	0.0%	--	--
WIST3015	3,424	23	8	36	6	75	26	106	26	185	51	238	51	306	48	296	65	413	88	457	81	438	38	340	20	3	0	0
# Fail	88	2	1	3	1	2	1	7	0	12	2	8	6	13	1	5	0	11	1	8	0	3	0	1	0	0	0	0
% Fail	2.6%	8.7%	12.5%	8.3%	16.7%	2.7%	3.8%	6.6%	0.0%	6.5%	3.9%	3.4%	11.8%	4.2%	2.1%	1.7%	0.0%	2.7%	1.1%	1.8%	0.0%	0.7%	0.0%	0.3%	0.0%	0.0%	--	--
WIST3021	2,434	20	10	21	7	53	8	81	25	123	32	154	36	172	32	181	43	251	61	323	70	373	31	314	12	1	0	0
# Fail	58	0	2	2	0	5	1	4	0	8	5	4	1	4	1	9	2	7	0	0	0	3	0	0	0	0	0	0
% Fail	2.4%	0.0%	20.0%	9.5%	0.0%	9.4%	12.5%	4.9%	0.0%	6.5%	15.6%	2.6%	2.8%	2.3%	3.1%	5.0%	4.7%	2.8%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	--	--
WIST3022	134	0	1	1	1	5	3	4	2	9	1	5	13	8	1	13	5	11	4	12	4	11	0	18	2	0	0	0
# Fail	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
% Fail	1.5%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	--	--	--
WIST3024	6,498	42	22	59	31	136	51	248	71	357	116	476	175	574	121	599	171	668	175	823	195	772	57	543	14	1	1	0
# Fail	262	2	2	3	2	15	9	29	9	26	16	27	13	26	7	16	5	15	8	15	2	10	2	3	0	0	0	0
% Fail	4.0%	4.8%	9.1%	5.1%	6.5%	11.0%	17.6%	11.7%	12.7%	7.3%	13.8%	5.7%	7.4%	4.5%	5.8%	2.7%	2.9%	2.2%	4.6%	1.8%	1.0%	1.3%	3.5%	0.6%	0.0%	0.0%	0.0%	--
WIST3030	2,251	7	6	14	5	31	12	61	20	87	35	106	42	147	20	194	45	240	65	304	95	372	36	296	7	4	0	0

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# Fail	55	1	0	2	0	2	0	4	3	6	2	8	2	6	0	2	1	4	4	3	2	1	1	1	0	0	0	0	
% Fail	2.4%	14.3%	0.0%	14.3%	0.0%	6.5%	0.0%	6.6%	15.0%	6.9%	5.7%	7.5%	4.8%	4.1%	0.0%	1.0%	2.2%	1.7%	6.2%	1.0%	2.1%	0.3%	2.8%	0.3%	0.0%	0.0%	--	--	
WIST3032	787	3	2	6	2	18	3	31	7	41	13	43	10	70	14	48	11	94	19	122	19	102	6	96	5	2	0	0	
# Fail	15	0	1	0	0	1	0	0	1	3	1	2	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	1.9%	0.0%	50.0%	0.0%	0.0%	5.6%	0.0%	0.0%	14.3%	7.3%	7.7%	4.7%	0.0%	5.7%	0.0%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST3034	1,166	1	2	8	2	10	7	26	10	39	11	46	18	73	22	82	27	131	39	169	49	186	30	162	14	2	0	0	
# Fail	28	0	0	0	0	1	2	4	1	0	1	3	0	3	0	2	0	5	0	3	1	1	0	1	0	0	0	0	
% Fail	2.4%	0.0%	0.0%	0.0%	0.0%	10.0%	28.6%	15.4%	10.0%	0.0%	9.1%	6.5%	0.0%	4.1%	0.0%	2.4%	0.0%	3.8%	0.0%	1.8%	2.0%	0.5%	0.0%	0.6%	0.0%	0.0%	--	--	
WIST3035	787	0	1	7	4	14	4	24	11	29	19	43	9	56	10	57	14	74	21	113	24	97	18	133	4	1	0	0	
# Fail	11	0	0	0	1	1	0	2	2	1	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
% Fail	1.4%	--	0.0%	0.0%	25.0%	7.1%	0.0%	8.3%	18.2%	3.4%	0.0%	2.3%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST3039	3,481	20	4	41	9	72	15	107	27	190	43	259	50	288	43	285	61	383	66	462	86	472	28	448	19	2	1	0	
# Fail	64	1	0	2	0	1	1	7	0	6	1	7	1	12	1	5	2	7	0	7	2	1	0	0	0	0	0	0	
% Fail	1.8%	5.0%	0.0%	4.9%	0.0%	1.4%	6.7%	6.5%	0.0%	3.2%	2.3%	2.7%	2.0%	4.2%	2.3%	1.8%	3.3%	1.8%	0.0%	1.5%	2.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	--	
WIST3040	1,063	2	1	9	6	18	8	24	9	42	19	56	25	70	29	61	28	111	48	124	57	147	32	106	28	3	0	0	
# Fail	28	0	0	0	0	1	0	0	1	4	1	11	0	3	0	1	0	1	1	0	2	1	0	1	0	0	0	0	
% Fail	2.6%	0.0%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	11.1%	9.5%	5.3%	19.6%	0.0%	4.3%	0.0%	1.6%	0.0%	0.9%	2.1%	0.0%	3.5%	0.7%	0.0%	0.9%	0.0%	0.0%	--	--	
WIST3041	871	5	1	14	3	13	5	26	6	32	8	53	17	76	8	84	13	105	15	106	23	138	8	105	5	2	0	0	
# Fail	35	0	0	2	0	2	1	6	0	4	1	3	1	2	0	5	0	4	0	0	1	3	0	0	0	0	0	0	
% Fail	4.0%	0.0%	0.0%	14.3%	0.0%	15.4%	20.0%	23.1%	0.0%	12.5%	12.5%	5.7%	5.9%	2.6%	0.0%	6.0%	0.0%	3.8%	0.0%	0.0%	4.3%	2.2%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST4002	1,505	10	3	16	5	28	7	51	15	73	12	81	14	127	19	102	29	161	44	228	33	216	19	198	13	0	1	0	
# Fail	33	1	0	4	0	3	0	1	1	1	0	6	0	5	0	1	0	2	0	5	0	2	0	1	0	0	0	0	
% Fail	2.2%	10.0%	0.0%	25.0%	0.0%	10.7%	0.0%	2.0%	6.7%	1.4%	0.0%	7.4%	0.0%	3.9%	0.0%	1.0%	0.0%	1.2%	0.0%	2.2%	0.0%	0.9%	0.0%	0.5%	0.0%	--	0.0%	--	
WIST4003	10,422	41	14	89	37	156	71	288	102	441	140	575	211	822	211	846	263	1,199	308	1,331	348	1,497	159	1,226	36	10	1	0	
# Fail	315	4	2	7	2	11	13	16	10	43	19	25	10	35	6	20	8	37	3	20	6	8	3	6	1	0	0	0	
% Fail	3.0%	9.8%	14.3%	7.9%	5.4%	7.1%	18.3%	5.6%	9.8%	9.8%	13.6%	4.3%	4.7%	4.3%	2.8%	2.4%	3.0%	3.1%	1.0%	1.5%	1.7%	0.5%	1.9%	0.5%	2.8%	0.0%	0.0%	--	
WIST4014	1,185	6	2	19	3	28	4	51	11	63	14	88	17	92	11	87	23	150	25	131	23	158	20	151	6	2	0	0	
# Fail	29	0	0	2	0	0	0	3	1	2	0	3	0	5	0	4	2	5	1	1	0	0	0	0	0	0	0	0	
% Fail	2.4%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	5.9%	9.1%	3.2%	0.0%	3.4%	0.0%	5.4%	0.0%	4.6%	8.7%	3.3%	4.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST4026	2,610	3	3	23	5	29	15	60	23	103	19	132	35	152	49	197	57	321	86	351	82	430	48	353	25	3	6	0	
# Fail	62	0	0	2	1	2	2	3	2	7	0	6	1	7	3	7	1	6	1	1	2	5	1	2	0	0	0	0	
% Fail	2.4%	0.0%	0.0%	8.7%	20.0%	6.9%	13.3%	5.0%	8.7%	6.8%	0.0%	4.5%	2.9%	4.6%	6.1%	3.6%	1.8%	1.9%	1.2%	0.3%	2.4%	1.2%	2.1%	0.6%	0.0%	0.0%	0.0%	--	
WIST4031	12,855	83	41	196	95	322	151	591	207	730	293	911	299	1,044	240	918	316	1,244	385	1,487	381	1,553	134	1,167	57	9	1	0	
# Fail	573	9	5	16	11	28	18	61	16	66	25	53	30	60	12	44	12	36	9	39	8	11	1	3	0	0	0	0	
% Fail	4.5%	10.8%	12.2%	8.2%	11.6%	8.7%	11.9%	10.3%	7.7%	9.0%	8.5%	5.8%	10.0%	5.7%	5.0%	4.8%	3.8%	2.9%	2.3%	2.6%	2.1%	0.7%	0.7%	0.3%	0.0%	0.0%	0.0%	--	
WIST4032	7,219	45	37	86	71	199	102	295	181	484	280	575	357	729	234	555	276	593	261	585	247	544	89	364	20	7	3	0	
# Fail	713	7	6	17	21	34	28	53	41	74	37	82	46	69	24	40	21	46	10	25	16	8	5	2	0	1	0	0	
% Fail	9.9%	15.6%	16.2%	19.8%	29.6%	17.1%	27.5%	18.0%	22.7%	15.3%	13.2%	14.3%	12.9%	9.5%	10.3%	7.2%	7.6%	7.8%	3.8%	4.3%	6.5%	1.5%	5.6%	0.5%	0.0%	14.3%	0.0%	--	
WIST4040	4,235	24	10	36	13	84	30	138	44	191	46	230	66	332	62	388	104	425	112	561	106	642	51	511	24	3	2	0	

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# Fail	97	4	1	3	0	4	2	8	0	9	3	15	4	7	3	7	2	6	2	4	5	6	0	2	0	0	0	0
% Fail	2.3%	16.7%	10.0%	8.3%	0.0%	4.8%	6.7%	5.8%	0.0%	4.7%	6.5%	6.5%	6.1%	2.1%	4.8%	1.8%	1.9%	1.4%	1.8%	0.7%	4.7%	0.9%	0.0%	0.4%	0.0%	0.0%	0.0%	--
WIST4042	4,037	35	8	55	21	95	35	160	62	251	70	302	111	378	83	317	97	403	127	469	126	413	44	358	12	1	4	0
# Fail	167	4	2	8	4	11	6	14	10	16	7	20	8	12	4	8	3	10	6	7	2	4	0	1	0	0	0	0
% Fail	4.1%	11.4%	25.0%	14.5%	19.0%	11.6%	17.1%	8.8%	16.1%	6.4%	10.0%	6.6%	7.2%	3.2%	4.8%	2.5%	3.1%	2.5%	4.7%	1.5%	1.6%	1.0%	0.0%	0.3%	0.0%	0.0%	0.0%	--
WIST4045	2,613	10	9	33	8	46	16	83	29	127	31	171	43	245	28	205	53	277	71	356	72	360	38	288	13	1	0	0
# Fail	81	0	1	4	1	4	3	7	1	8	2	7	1	11	1	8	0	7	1	7	2	3	1	1	0	0	0	0
% Fail	3.1%	0.0%	11.1%	12.1%	12.5%	8.7%	18.8%	8.4%	3.4%	6.3%	6.5%	4.1%	2.3%	4.5%	3.6%	3.9%	0.0%	2.5%	1.4%	2.0%	2.8%	0.8%	2.6%	0.3%	0.0%	0.0%	--	--
WIST4048	6,031	23	11	56	19	98	33	148	38	268	71	333	110	471	90	467	128	665	192	836	195	963	79	703	26	4	4	0
# Fail	178	1	0	5	6	9	2	15	1	16	4	16	6	22	3	20	5	20	1	14	0	11	0	1	0	0	0	0
% Fail	3.0%	4.3%	0.0%	8.9%	31.6%	9.2%	6.1%	10.1%	2.6%	6.0%	5.6%	4.8%	5.5%	4.7%	3.3%	4.3%	3.9%	3.0%	0.5%	1.7%	0.0%	1.1%	0.0%	0.1%	0.0%	0.0%	0.0%	--
WIST4049	1,870	6	4	20	8	48	6	51	12	89	14	105	25	152	23	168	32	213	33	267	47	281	20	232	12	2	0	0
# Fail	54	1	1	1	1	6	1	4	2	9	2	3	0	7	1	3	3	4	0	3	1	1	0	0	0	0	0	0
% Fail	2.9%	16.7%	25.0%	5.0%	12.5%	12.5%	16.7%	7.8%	16.7%	10.1%	14.3%	2.9%	0.0%	4.6%	4.3%	1.8%	9.4%	1.9%	0.0%	1.1%	2.1%	0.4%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4050	9,985	29	8	56	26	122	29	220	63	340	87	540	117	726	103	736	168	1,056	223	1,423	312	1,691	185	1,635	74	13	3	0
# Fail	204	1	1	5	2	7	3	16	3	20	6	23	6	30	2	16	6	17	5	14	3	14	0	4	0	0	0	0
% Fail	2.0%	3.4%	12.5%	8.9%	7.7%	5.7%	10.3%	7.3%	4.8%	5.9%	6.9%	4.3%	5.1%	4.1%	1.9%	2.2%	3.6%	1.6%	2.2%	1.0%	1.0%	0.8%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST4051	3,622	25	10	50	13	78	32	141	39	199	54	208	61	255	48	276	72	367	68	491	98	534	37	443	20	2	1	0
# Fail	100	2	0	2	0	1	4	6	5	13	2	15	1	17	2	7	1	8	0	7	1	3	1	2	0	0	0	0
% Fail	2.8%	8.0%	0.0%	4.0%	0.0%	1.3%	12.5%	4.3%	12.8%	6.5%	3.7%	7.2%	1.6%	6.7%	4.2%	2.5%	1.4%	2.2%	0.0%	1.4%	1.0%	0.6%	2.7%	0.5%	0.0%	0.0%	0.0%	--
WIST4053	467	4	1	8	7	16	4	40	13	39	11	34	12	42	11	32	10	36	9	50	12	32	2	36	5	1	0	0
# Fail	21	0	0	0	0	0	0	3	2	6	1	2	0	1	2	0	1	2	0	1	0	0	0	0	0	0	0	0
% Fail	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.5%	15.4%	15.4%	9.1%	5.9%	0.0%	2.4%	18.2%	0.0%	10.0%	5.6%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4054	4,049	27	5	53	16	85	18	129	45	197	52	265	69	345	57	303	60	450	96	578	104	575	33	468	16	2	1	0
# Fail	119	5	0	0	2	6	2	10	4	8	3	13	4	17	5	8	3	13	1	8	1	5	0	1	0	0	0	0
% Fail	2.9%	18.5%	0.0%	0.0%	12.5%	7.1%	11.1%	7.8%	8.9%	4.1%	5.8%	4.9%	5.8%	4.9%	8.8%	2.6%	5.0%	2.9%	1.0%	1.4%	1.0%	0.9%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST4057	6,270	31	12	53	20	147	34	245	69	362	74	411	88	550	81	532	121	671	141	814	146	868	68	674	46	10	2	0
# Fail	146	2	2	1	1	10	1	16	5	18	6	16	6	24	2	8	0	11	1	10	2	2	0	2	0	0	0	0
% Fail	2.3%	6.5%	16.7%	1.9%	5.0%	6.8%	2.9%	6.5%	7.2%	5.0%	8.1%	3.9%	6.8%	4.4%	2.5%	1.5%	0.0%	1.6%	0.7%	1.2%	1.4%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	--
WIST4058	3,023	17	13	22	13	75	27	120	35	180	46	226	64	260	59	246	61	298	82	348	78	399	29	314	6	4	1	0
# Fail	111	3	3	2	1	4	1	12	4	14	5	12	7	12	3	3	5	7	3	6	1	3	0	0	0	0	0	0
% Fail	3.7%	17.6%	23.1%	9.1%	7.7%	5.3%	3.7%	10.0%	11.4%	7.8%	10.9%	5.3%	10.9%	4.6%	5.1%	1.2%	8.2%	2.3%	3.7%	1.7%	1.3%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST4060	182	3	1	3	0	4	3	5	2	7	4	16	2	20	3	14	3	20	3	24	6	23	1	15	0	0	0	0
# Fail	4	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	2.2%	33.3%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%	0.0%	0.0%	5.0%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	--
WIST4061	2,454	8	3	12	5	22	6	52	15	84	16	105	20	162	22	176	32	276	49	360	76	446	49	417	38	1	2	0
# Fail	39	1	0	0	0	1	1	3	1	2	1	3	1	6	2	4	2	7	0	1	0	1	0	2	0	0	0	0
% Fail	1.6%	12.5%	0.0%	0.0%	0.0%	4.5%	16.7%	5.8%	6.7%	2.4%	6.3%	2.9%	5.0%	3.7%	9.1%	2.3%	6.3%	2.5%	0.0%	0.3%	0.0%	0.2%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST4062	1,950	8	8	18	12	42	16	50	32	102	58	135	87	183	57	157	61	192	74	206	70	205	29	136	9	2	1	0

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# Fail	136	0	3	3	1	5	3	4	4	9	10	19	5	11	4	9	9	10	3	10	2	7	4	1	0	0	0	0
% Fail	7.0%	0.0%	37.5%	16.7%	8.3%	11.9%	18.8%	8.0%	12.5%	8.8%	17.2%	14.1%	5.7%	6.0%	7.0%	5.7%	14.8%	5.2%	4.1%	4.9%	2.9%	3.4%	13.8%	0.7%	0.0%	0.0%	0.0%	--
WIST4063	600	4	0	8	4	13	3	25	7	33	3	58	3	48	6	42	11	58	9	86	13	82	3	78	3	0	0	0
# Fail	24	1	0	1	0	2	0	2	1	0	0	4	0	4	0	0	1	6	0	1	1	0	0	0	0	0	0	0
% Fail	4.0%	25.0%	--	12.5%	0.0%	15.4%	0.0%	8.0%	14.3%	0.0%	0.0%	6.9%	0.0%	8.3%	0.0%	0.0%	9.1%	10.3%	0.0%	1.2%	7.7%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST4064	1,079	3	0	3	6	7	3	24	9	39	20	40	9	76	7	75	21	110	31	166	38	183	20	184	4	1	0	0
# Fail	21	0	0	1	0	0	0	5	1	2	1	2	1	0	0	2	0	0	1	2	0	1	0	2	0	0	0	0
% Fail	1.9%	0.0%	--	33.3%	0.0%	0.0%	0.0%	20.8%	11.1%	5.1%	5.0%	5.0%	11.1%	0.0%	0.0%	2.7%	0.0%	0.0%	3.2%	1.2%	0.0%	0.5%	0.0%	1.1%	0.0%	0.0%	--	--
WIST4068	1,708	5	1	11	3	29	5	30	5	53	15	93	23	98	17	137	22	184	42	245	55	275	22	314	19	5	0	0
# Fail	26	0	0	0	1	3	0	1	0	3	1	2	1	3	1	4	1	2	0	1	0	2	0	0	0	0	0	0
% Fail	1.5%	0.0%	0.0%	0.0%	33.3%	10.3%	0.0%	3.3%	0.0%	5.7%	6.7%	2.2%	4.3%	3.1%	5.9%	2.9%	4.5%	1.1%	0.0%	0.4%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	--	--
WIST4069	16	0	0	0	0	0	0	1	0	1	1	1	0	2	0	1	0	2	0	1	2	2	0	1	0	1	0	0
# Fail	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	6.3%	--	--	--	--	--	--	0.0%	--	0.0%	0.0%	0.0%	--	50.0%	--	0.0%	--	0.0%	--	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	--
WIST4070	16	1	0	0	0	0	0	0	0	2	3	0	1	1	0	2	1	1	0	1	1	0	0	1	0	0	1	0
# Fail	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	12.5%	0.0%	--	--	--	--	--	--	--	50.0%	0.0%	--	0.0%	0.0%	--	0.0%	100%	0.0%	--	0.0%	0.0%	--	--	0.0%	--	--	0.0%	--
WIST4071	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	--
WIST5003	1,086	4	3	10	6	13	3	30	9	31	19	66	20	82	13	58	20	84	35	165	50	145	28	179	9	3	1	0
# Fail	22	0	0	0	1	0	0	2	0	1	1	2	0	3	0	5	2	1	0	1	1	1	1	0	0	0	0	0
% Fail	2.0%	0.0%	0.0%	0.0%	16.7%	0.0%	0.0%	6.7%	0.0%	3.2%	5.3%	3.0%	0.0%	3.7%	0.0%	8.6%	10.0%	1.2%	0.0%	0.6%	2.0%	0.7%	3.6%	0.0%	0.0%	0.0%	0.0%	--
WIST5004	3,710	21	2	30	9	48	24	92	32	164	47	213	74	286	56	324	69	434	93	512	97	592	44	443	2	1	1	0
# Fail	106	1	1	1	2	9	2	13	4	9	5	16	6	6	0	9	3	7	0	2	0	8	1	1	0	0	0	0
% Fail	2.9%	4.8%	50.0%	3.3%	22.2%	18.8%	8.3%	14.1%	12.5%	5.5%	10.6%	7.5%	8.1%	2.1%	0.0%	2.8%	4.3%	1.6%	0.0%	0.4%	0.0%	1.4%	2.3%	0.2%	0.0%	0.0%	0.0%	--
WIST5005	2,892	19	13	38	18	83	26	146	37	215	43	256	60	259	39	243	50	283	60	342	56	295	29	274	6	2	0	0
# Fail	95	3	1	3	1	7	0	17	1	13	3	11	5	6	5	4	1	7	1	3	1	1	0	1	0	0	0	0
% Fail	3.3%	15.8%	7.7%	7.9%	5.6%	8.4%	0.0%	11.6%	2.7%	6.0%	7.0%	4.3%	8.3%	2.3%	12.8%	1.6%	2.0%	2.5%	1.7%	0.9%	1.8%	0.3%	0.0%	0.4%	0.0%	0.0%	--	--
WIST5008	6,594	26	13	76	20	126	51	226	66	320	86	436	96	550	79	472	135	747	135	922	165	970	79	753	41	3	1	0
# Fail	171	2	0	8	2	9	7	13	2	10	3	21	5	30	3	20	0	11	4	14	0	6	0	1	0	0	0	0
% Fail	2.6%	7.7%	0.0%	10.5%	10.0%	7.1%	13.7%	5.8%	3.0%	3.1%	3.5%	4.8%	5.2%	5.5%	3.8%	4.2%	0.0%	1.5%	3.0%	1.5%	0.0%	0.6%	0.0%	0.1%	0.0%	0.0%	0.0%	--
WIST5015	4,204	26	20	47	24	126	42	190	59	260	93	323	120	344	79	269	97	395	151	467	110	499	54	393	16	0	0	0
# Fail	186	3	3	5	2	9	5	12	8	22	11	24	10	27	4	11	4	4	3	8	1	8	1	1	0	0	0	0
% Fail	4.4%	11.5%	15.0%	10.6%	8.3%	7.1%	11.9%	6.3%	13.6%	8.5%	11.8%	7.4%	8.3%	7.8%	5.1%	4.1%	4.1%	1.0%	2.0%	1.7%	0.9%	1.6%	1.9%	0.3%	0.0%	--	--	--
WIST5017	3,839	20	10	44	12	77	30	136	51	187	53	248	70	313	50	328	74	411	97	499	94	555	46	413	15	5	1	0
# Fail	129	1	1	2	1	6	4	16	5	12	6	13	3	12	5	12	2	8	3	11	0	4	0	2	0	0	0	0
% Fail	3.4%	5.0%	10.0%	4.5%	8.3%	7.8%	13.3%	11.8%	9.8%	6.4%	11.3%	5.2%	4.3%	3.8%	10.0%	3.7%	2.7%	1.9%	3.1%	2.2%	0.0%	0.7%	0.0%	0.5%	0.0%	0.0%	0.0%	--
WIST5023	1,802	2	1	18	5	28	13	49	17	67	25	122	35	150	27	143	47	187	35	227	62	259	27	243	11	2	0	0

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# Fail	36	0	0	1	0	1	0	3	0	3	1	6	3	5	0	2	2	2	0	5	0	1	0	1	0	0	0	0	
% Fail	2.0%	0.0%	0.0%	5.6%	0.0%	3.6%	0.0%	6.1%	0.0%	4.5%	4.0%	4.9%	8.6%	3.3%	0.0%	1.4%	4.3%	1.1%	0.0%	2.2%	0.0%	0.4%	0.0%	0.4%	0.0%	0.0%	--	--	
WIST5029	4,781	15	7	42	10	85	17	147	27	204	62	237	63	360	51	340	78	519	106	709	117	799	58	704	11	11	2	0	
# Fail	57	1	0	4	0	4	1	6	2	8	2	6	0	4	2	3	2	3	2	3	0	3	0	1	0	0	0	0	
% Fail	1.2%	6.7%	0.0%	9.5%	0.0%	4.7%	5.9%	4.1%	7.4%	3.9%	3.2%	2.5%	0.0%	1.1%	3.9%	0.9%	2.6%	0.6%	1.9%	0.4%	0.0%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	--	
WIST5037	168	1	0	1	1	3	3	8	0	8	1	10	7	20	1	17	2	22	6	21	4	18	0	12	0	2	0	0	
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	--	
WIST5044	1,063	3	1	1	1	8	4	16	5	28	16	37	18	82	18	68	28	101	43	157	41	172	24	178	10	2	1	0	
# Fail	30	0	0	0	0	0	1	0	0	2	2	5	2	6	0	3	1	1	1	2	1	1	1	1	1	0	0	0	0
% Fail	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	0.0%	0.0%	7.1%	12.5%	13.5%	11.1%	7.3%	0.0%	4.4%	3.6%	1.0%	2.3%	1.3%	2.4%	0.6%	4.2%	0.6%	0.0%	0.0%	0.0%	--	--
WIST5045	217	5	0	4	0	10	2	13	4	10	5	12	2	25	0	11	3	23	4	23	5	31	2	21	2	0	0	0	
# Fail	9	0	0	2	0	1	0	1	1	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	
% Fail	4.1%	0.0%	--	50.0%	--	10.0%	0.0%	7.7%	25.0%	0.0%	20.0%	0.0%	0.0%	0.0%	--	0.0%	0.0%	4.3%	0.0%	0.0%	20.0%	3.2%	0.0%	0.0%	0.0%	--	--	--	
WIST5049	1,827	4	2	16	2	31	11	53	12	96	26	113	24	122	30	166	23	195	32	258	39	305	26	237	1	3	0	0	
# Fail	40	1	1	0	0	3	1	5	1	2	2	6	0	2	0	4	2	4	1	2	0	0	0	3	0	0	0	0	
% Fail	2.2%	25.0%	50.0%	0.0%	0.0%	9.7%	9.1%	9.4%	8.3%	2.1%	7.7%	5.3%	0.0%	1.6%	0.0%	2.4%	8.7%	2.1%	3.1%	0.8%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	--	--	
WIST5053	1,085	10	8	22	8	30	13	70	10	89	15	93	20	104	14	85	17	92	23	112	24	120	9	79	6	12	0	0	
# Fail	30	0	1	0	0	3	0	3	1	5	1	4	1	6	0	3	1	0	0	1	0	0	0	0	0	0	0	0	
% Fail	2.8%	0.0%	12.5%	0.0%	0.0%	10.0%	0.0%	4.3%	10.0%	5.6%	6.7%	4.3%	5.0%	5.8%	0.0%	3.5%	5.9%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST5055	13,998	60	28	143	68	263	100	477	205	769	319	917	429	1,201	324	1,143	429	1,384	472	1,624	463	1,698	239	1,171	50	18	4	0	
# Fail	659	4	1	12	7	29	16	44	22	68	36	79	48	64	31	51	21	46	17	33	6	16	2	6	0	0	0	0	
% Fail	4.7%	6.7%	3.6%	8.4%	10.3%	11.0%	16.0%	9.2%	10.7%	8.8%	11.3%	8.6%	11.2%	5.3%	9.6%	4.5%	4.9%	3.3%	3.6%	2.0%	1.3%	0.9%	0.8%	0.5%	0.0%	0.0%	0.0%	--	--
WIST5058	789	3	1	7	3	17	12	21	18	37	28	55	35	60	32	50	17	82	29	94	31	84	13	58	1	1	0	0	
# Fail	44	0	0	0	1	1	3	4	3	2	3	3	2	1	4	6	3	4	1	1	0	1	0	1	0	0	0	0	
% Fail	5.6%	0.0%	0.0%	0.0%	33.3%	5.9%	25.0%	19.0%	16.7%	5.4%	10.7%	5.5%	5.7%	1.7%	12.5%	12.0%	17.6%	4.9%	3.4%	1.1%	0.0%	1.2%	0.0%	1.7%	0.0%	0.0%	--	--	
WIST5066	6,984	53	19	79	38	189	54	305	87	423	125	521	156	618	159	596	167	657	168	855	205	821	72	575	35	4	3	0	
# Fail	237	7	2	8	5	9	5	26	3	28	10	20	7	29	6	16	5	14	5	12	6	9	2	2	1	0	0	0	
% Fail	3.4%	13.2%	10.5%	10.1%	13.2%	4.8%	9.3%	8.5%	3.4%	6.6%	8.0%	3.8%	4.5%	4.7%	3.8%	2.7%	3.0%	2.1%	3.0%	1.4%	2.9%	1.1%	2.8%	0.3%	2.9%	0.0%	0.0%	--	--
WIST5074	2,432	11	4	23	13	36	16	62	35	111	64	140	73	191	60	188	57	256	84	309	86	305	39	229	35	4	1	0	
# Fail	107	1	1	2	3	3	3	3	4	10	3	15	1	19	4	11	1	8	1	8	1	1	2	1	1	0	0	0	
% Fail	4.4%	9.1%	25.0%	8.7%	23.1%	8.3%	18.8%	4.8%	11.4%	9.0%	4.7%	10.7%	1.4%	9.9%	6.7%	5.9%	1.8%	3.1%	1.2%	2.6%	1.2%	0.3%	5.1%	0.4%	2.9%	0.0%	0.0%	--	--
WIST5077	14,250	58	15	121	47	252	50	367	115	631	167	830	224	1,159	177	1,083	260	1,678	330	2,103	365	2,240	178	1,719	68	11	1	1	
# Fail	342	4	1	6	0	20	4	29	10	28	10	38	9	46	5	24	8	28	3	40	4	18	1	6	0	0	0	0	
% Fail	2.4%	6.9%	6.7%	5.0%	0.0%	7.9%	8.0%	7.9%	8.7%	4.4%	6.0%	4.6%	4.0%	4.0%	2.8%	2.2%	3.1%	1.7%	0.9%	1.9%	1.1%	0.8%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
WIST5079	517	1	0	2	3	7	3	10	1	16	5	25	6	29	4	35	8	51	8	83	18	94	10	97	1	0	0	0	
# Fail	9	0	0	0	1	0	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0	2	1	1	0	0	0	0	
% Fail	1.7%	0.0%	--	0.0%	33.3%	0.0%	33.3%	0.0%	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	2.1%	10.0%	1.0%	0.0%	--	--	--	--
WIST5081	23,511	106	52	257	90	500	152	822	237	1,213	363	1,496	475	1,988	335	1,754	481	2,552	595	3,063	659	3,195	278	2,693	130	18	7	0	

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# Fail	686	7	6	17	10	48	18	62	17	76	24	73	26	77	16	46	15	64	12	33	8	26	1	3	1	0	0	0
% Fail	2.9%	6.6%	11.5%	6.6%	11.1%	9.6%	11.8%	7.5%	7.2%	6.3%	6.6%	4.9%	5.5%	3.9%	4.8%	2.6%	3.1%	2.5%	2.0%	1.1%	1.2%	0.8%	0.4%	0.1%	0.8%	0.0%	0.0%	--
WIST5083	2,109	10	7	30	16	34	23	64	35	135	35	132	59	195	47	175	73	175	80	237	85	252	21	184	5	0	0	0
# Fail	113	1	1	6	5	4	4	16	6	21	5	11	4	8	6	3	3	2	1	1	2	3	0	0	0	0	0	0
% Fail	5.4%	10.0%	14.3%	20.0%	31.3%	11.8%	17.4%	25.0%	17.1%	15.6%	14.3%	8.3%	6.8%	4.1%	12.8%	1.7%	4.1%	1.1%	1.3%	0.4%	2.4%	1.2%	0.0%	0.0%	0.0%	--	--	--
WIST5084	307	6	0	5	0	8	1	12	1	15	2	21	2	33	4	26	7	37	4	38	12	43	2	27	0	1	0	0
# Fail	9	0	0	0	0	1	0	0	0	0	1	1	0	1	0	2	0	1	0	1	0	1	0	0	0	0	0	0
% Fail	2.9%	0.0%	--	0.0%	--	12.5%	0.0%	0.0%	0.0%	0.0%	50.0%	4.8%	0.0%	3.0%	0.0%	7.7%	0.0%	2.7%	0.0%	2.6%	0.0%	2.3%	0.0%	0.0%	--	0.0%	--	--
WIST5085	4,128	11	7	23	5	54	10	87	17	135	37	197	53	272	45	304	62	423	85	633	113	669	68	778	30	10	0	0
# Fail	71	0	1	1	1	2	1	5	1	1	4	6	2	8	1	6	2	5	3	8	1	9	1	2	0	0	0	0
% Fail	1.7%	0.0%	14.3%	4.3%	20.0%	3.7%	10.0%	5.7%	5.9%	0.7%	10.8%	3.0%	3.8%	2.9%	2.2%	2.0%	3.2%	1.2%	3.5%	1.3%	0.9%	1.3%	1.5%	0.3%	0.0%	0.0%	--	--
WIST5086	6,764	34	10	47	15	112	32	195	38	269	73	455	110	532	92	536	119	793	147	888	173	1,008	106	925	42	10	3	0
# Fail	148	3	0	1	1	9	2	14	2	12	3	21	6	17	3	14	3	10	2	11	4	7	2	1	0	0	0	0
% Fail	2.2%	8.8%	0.0%	2.1%	6.7%	8.0%	6.3%	7.2%	5.3%	4.5%	4.1%	4.6%	5.5%	3.2%	3.3%	2.6%	2.5%	1.3%	1.4%	1.2%	2.3%	0.7%	1.9%	0.1%	0.0%	0.0%	0.0%	--
WIST5087	439	4	0	2	1	17	1	17	6	20	11	19	14	30	4	41	10	28	12	58	16	59	8	58	1	2	0	0
# Fail	13	1	0	0	0	1	0	1	0	2	1	2	0	0	0	2	0	0	0	1	0	2	0	0	0	0	0	0
% Fail	3.0%	25.0%	--	0.0%	0.0%	5.9%	0.0%	5.9%	0.0%	10.0%	9.1%	10.5%	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%	1.7%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	--	--
WIST5088	783	4	1	13	5	11	9	39	15	45	7	56	18	80	6	59	23	75	20	90	19	101	11	75	0	1	0	0
# Fail	37	0	0	2	1	0	3	5	2	2	2	2	1	7	0	3	3	3	1	0	0	0	0	0	0	0	0	0
% Fail	4.7%	0.0%	0.0%	15.4%	20.0%	0.0%	33.3%	12.8%	13.3%	4.4%	28.6%	3.6%	5.6%	8.8%	0.0%	5.1%	13.0%	4.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	--
WIST5089	1,402	1	1	13	5	17	8	44	16	47	18	65	26	118	21	104	38	155	31	192	51	227	20	181	2	1	0	0
# Fail	42	0	0	1	0	2	0	5	3	2	0	8	0	6	1	2	2	4	1	4	0	1	0	0	0	0	0	0
% Fail	3.0%	0.0%	0.0%	7.7%	0.0%	11.8%	0.0%	11.4%	18.8%	4.3%	0.0%	12.3%	0.0%	5.1%	4.8%	1.9%	5.3%	2.6%	3.2%	2.1%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	--	--
WIST5090	5,272	38	19	60	17	117	40	193	87	269	88	387	115	461	105	392	140	516	166	659	148	643	63	521	22	6	0	0
# Fail	214	3	4	6	0	16	2	21	11	25	12	31	9	24	4	17	3	13	4	5	0	2	0	2	0	0	0	0
% Fail	4.1%	7.9%	21.1%	10.0%	0.0%	13.7%	5.0%	10.9%	12.6%	9.3%	13.6%	8.0%	7.8%	5.2%	3.8%	4.3%	2.1%	2.5%	2.4%	0.8%	0.0%	0.3%	0.0%	0.4%	0.0%	0.0%	--	--
WIST5091	604	9	2	6	4	26	2	24	5	37	8	37	14	50	13	51	11	62	16	73	15	68	6	58	6	1	0	0
# Fail	26	0	0	0	0	4	1	3	1	3	0	2	0	2	1	4	0	2	1	1	0	0	0	1	0	0	0	0
% Fail	4.3%	0.0%	0.0%	0.0%	0.0%	15.4%	50.0%	12.5%	20.0%	8.1%	0.0%	5.4%	0.0%	4.0%	7.7%	7.8%	0.0%	3.2%	6.3%	1.4%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	--	--
WIST5092	1,885	11	9	26	8	38	13	71	27	92	29	107	56	143	37	136	38	184	49	212	62	252	37	227	17	4	0	0
# Fail	48	2	0	2	2	2	2	5	1	5	1	4	4	5	1	4	2	4	0	2	0	0	0	0	0	0	0	0
% Fail	2.5%	18.2%	0.0%	7.7%	25.0%	5.3%	15.4%	7.0%	3.7%	5.4%	3.4%	3.7%	7.1%	3.5%	2.7%	2.9%	5.3%	2.2%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6001	9,484	91	43	168	68	292	105	455	162	625	249	732	281	845	179	680	206	906	229	1,035	229	999	77	780	37	9	2	0
# Fail	552	10	1	20	4	34	18	55	19	70	33	63	27	52	15	32	6	33	6	28	7	14	2	2	0	1	0	0
% Fail	5.8%	11.0%	2.3%	11.9%	5.9%	11.6%	17.1%	12.1%	11.7%	11.2%	13.3%	8.6%	9.6%	6.2%	8.4%	4.7%	2.9%	3.6%	2.6%	2.7%	3.1%	1.4%	2.6%	0.3%	0.0%	11.1%	0.0%	--
WIST6004	6,608	18	9	54	18	94	20	150	46	273	65	392	80	552	60	543	111	706	132	962	150	1,128	63	956	22	2	2	0
# Fail	114	1	0	3	3	9	1	4	2	15	1	16	7	20	0	6	1	8	0	12	2	3	0	0	0	0	0	0
% Fail	1.7%	5.6%	0.0%	5.6%	16.7%	9.6%	5.0%	2.7%	4.3%	5.5%	1.5%	4.1%	8.8%	3.6%	0.0%	1.1%	0.9%	1.1%	0.0%	1.2%	1.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST6007	631	12	4	17	2	23	2	31	7	30	8	41	18	56	7	50	14	77	12	79	11	66	3	59	2	0	0	0

# Fail	4	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0		
% Fail	0.6%	0.0%	0.0%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--	
WIST6013	773	1	0	7	1	8	4	25	3	32	9	44	12	57	9	59	12	71	31	105	27	123	24	94	14	1	0	0	
# Fail	12	0	0	0	0	1	0	0	0	3	0	1	0	0	0	0	0	2	3	0	2	0	0	0	0	0	0	0	
% Fail	1.6%	0.0%	--	0.0%	0.0%	12.5%	0.0%	0.0%	0.0%	9.4%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	6.5%	2.9%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST6018	4,020	30	9	48	14	92	28	176	60	223	71	290	92	323	59	290	78	405	105	501	117	503	46	423	35	1	1	0	
# Fail	185	2	1	4	4	3	5	20	15	19	6	22	8	26	1	16	4	10	5	7	2	4	0	1	0	0	0	0	
% Fail	4.6%	6.7%	11.1%	8.3%	28.6%	3.3%	17.9%	11.4%	25.0%	8.5%	8.5%	7.6%	8.7%	8.0%	1.7%	5.5%	5.1%	2.5%	4.8%	1.4%	1.7%	0.8%	0.0%	0.2%	0.0%	0.0%	0.0%	--	
WIST6021	2,510	5	3	27	6	36	5	59	24	115	19	138	38	203	24	174	32	285	59	348	58	415	40	379	17	1	0	0	
# Fail	28	0	0	0	0	0	0	2	1	4	0	5	0	7	0	3	0	2	0	0	0	2	0	2	0	0	0	0	
% Fail	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	4.2%	3.5%	0.0%	3.6%	0.0%	3.4%	0.0%	1.7%	0.0%	0.7%	0.0%	0.0%	0.0%	0.5%	0.0%	0.5%	0.0%	0.0%	--	--	
WIST6022	5,093	24	6	27	13	73	16	139	33	199	47	268	69	360	57	383	92	581	135	725	136	884	78	703	39	4	2	0	
# Fail	105	0	0	2	0	7	3	11	0	15	1	8	1	12	4	7	5	10	2	7	0	5	0	5	0	0	0	0	
% Fail	2.1%	0.0%	0.0%	7.4%	0.0%	9.6%	18.8%	7.9%	0.0%	7.5%	2.1%	3.0%	1.4%	3.3%	7.0%	1.8%	5.4%	1.7%	1.5%	1.0%	0.0%	0.6%	0.0%	0.7%	0.0%	0.0%	0.0%	--	
WIST6026	1,986	13	5	19	10	26	11	51	11	86	23	105	29	129	22	131	36	197	43	308	54	338	34	287	18	0	0	0	
# Fail	50	1	1	1	4	3	0	5	0	6	2	2	2	4	2	3	2	3	1	6	1	0	0	1	0	0	0	0	
% Fail	2.5%	7.7%	20.0%	5.3%	40.0%	11.5%	0.0%	9.8%	0.0%	7.0%	8.7%	1.9%	6.9%	3.1%	9.1%	2.3%	5.6%	1.5%	2.3%	1.9%	1.9%	0.0%	0.0%	0.3%	0.0%	--	--	--	
WIST6031	4,448	17	12	37	17	95	24	154	36	225	49	281	67	332	67	341	90	504	105	640	92	635	49	557	19	3	0	0	
# Fail	96	2	0	1	0	2	1	8	3	7	4	12	3	16	1	7	1	12	2	5	3	4	0	2	0	0	0	0	
% Fail	2.2%	11.8%	0.0%	2.7%	0.0%	2.1%	4.2%	5.2%	8.3%	3.1%	8.2%	4.3%	4.5%	4.8%	1.5%	2.1%	1.1%	2.4%	1.9%	0.8%	3.3%	0.6%	0.0%	0.4%	0.0%	0.0%	--	--	
WIST6033	740	0	0	4	1	6	4	15	2	33	8	39	4	58	9	54	5	78	15	118	19	122	14	121	11	0	0	0	
# Fail	21	0	0	0	0	1	1	2	0	3	1	1	1	1	2	4	0	3	0	1	0	0	0	0	0	0	0	0	
% Fail	2.8%	--	--	0.0%	0.0%	16.7%	25.0%	13.3%	0.0%	9.1%	12.5%	2.6%	25.0%	1.7%	22.2%	7.4%	0.0%	3.8%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST6035	2,671	6	5	25	12	53	23	90	42	125	51	164	88	224	57	206	83	265	88	292	81	345	42	277	19	7	1	0	
# Fail	131	1	2	2	2	5	4	10	5	16	5	15	7	10	5	9	2	7	3	6	5	5	3	2	0	0	0	0	
% Fail	4.9%	16.7%	40.0%	8.0%	16.7%	9.4%	17.4%	11.1%	11.9%	12.8%	9.8%	9.1%	8.0%	4.5%	8.8%	4.4%	2.4%	2.6%	3.4%	2.1%	6.2%	1.4%	7.1%	0.7%	0.0%	0.0%	0.0%	--	
WIST6037	5,233	40	18	62	35	141	58	265	78	331	104	422	131	453	96	397	126	523	143	585	131	594	58	423	9	8	2	0	
# Fail	265	3	3	7	3	17	9	29	8	28	11	29	14	19	7	16	4	16	9	20	4	5	0	4	0	0	0	0	
% Fail	5.1%	7.5%	16.7%	11.3%	8.6%	12.1%	15.5%	10.9%	10.3%	8.5%	10.6%	6.9%	10.7%	4.2%	7.3%	4.0%	3.2%	3.1%	6.3%	3.4%	3.1%	0.8%	0.0%	0.9%	0.0%	0.0%	0.0%	--	
WIST6039	2,057	7	4	14	4	18	12	43	9	76	25	82	28	136	25	143	36	242	57	312	78	335	48	302	15	6	0	0	
# Fail	41	0	0	1	0	0	0	1	0	6	1	3	1	2	3	5	2	4	2	6	0	4	0	0	0	0	0	0	
% Fail	2.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%	2.3%	0.0%	7.9%	4.0%	3.7%	3.6%	1.5%	12.0%	3.5%	5.6%	1.7%	3.5%	1.9%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST6042	2,010	11	6	30	10	62	10	88	26	120	33	145	42	163	30	178	47	203	34	246	53	252	28	177	15	0	1	0	
# Fail	56	0	0	4	2	4	0	7	1	4	1	10	2	7	1	3	0	5	1	2	0	1	0	1	0	0	0	0	
% Fail	2.8%	0.0%	0.0%	13.3%	20.0%	6.5%	0.0%	8.0%	3.8%	3.3%	3.0%	6.9%	4.8%	4.3%	3.3%	1.7%	0.0%	2.5%	2.9%	0.8%	0.0%	0.4%	0.0%	0.6%	0.0%	--	0.0%	--	
WIST6043	4,055	33	14	58	40	116	54	165	90	282	110	341	164	438	122	299	153	342	135	363	124	340	31	236	5	0	0	0	
# Fail	267	5	4	13	5	15	8	19	13	20	6	38	20	35	7	17	9	9	6	6	1	9	0	2	0	0	0	0	
% Fail	6.6%	15.2%	28.6%	22.4%	12.5%	12.9%	14.8%	11.5%	14.4%	7.1%	5.5%	11.1%	12.2%	8.0%	5.7%	5.7%	5.9%	2.6%	4.4%	1.7%	0.8%	2.6%	0.0%	0.8%	0.0%	--	--	--	
WIST6044	5,436	32	16	81	31	143	47	267	82	361	100	421	127	482	120	478	143	535	160	594	145	560	56	437	15	1	2	0	

# Fail	199	5	0	3	3	13	8	14	11	27	8	23	9	15	5	10	5	13	6	9	2	6	0	4	0	0	0	0
% Fail	3.7%	15.6%	0.0%	3.7%	9.7%	9.1%	17.0%	5.2%	13.4%	7.5%	8.0%	5.5%	7.1%	3.1%	4.2%	2.1%	3.5%	2.4%	3.8%	1.5%	1.4%	1.1%	0.0%	0.9%	0.0%	0.0%	0.0%	--
WIST6054	758	4	3	11	3	26	5	27	3	49	7	48	11	67	10	60	12	88	12	116	8	96	3	88	0	1	0	0
# Fail	20	0	1	0	0	3	1	1	1	3	0	6	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0	0
% Fail	2.6%	0.0%	33.3%	0.0%	0.0%	11.5%	20.0%	3.7%	33.3%	6.1%	0.0%	12.5%	0.0%	1.5%	0.0%	0.0%	0.0%	2.3%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	--
WIST6055	1,214	7	1	10	3	23	11	42	8	52	12	73	14	98	21	91	19	122	32	166	17	200	16	168	7	1	0	0
# Fail	6	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
% Fail	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	18.2%	0.0%	12.5%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	--	--
WIST6056	270	0	1	2	2	3	2	10	6	8	7	18	3	22	3	17	6	33	10	34	11	35	5	32	0	0	0	0
# Fail	10	0	0	1	0	0	0	3	1	1	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
% Fail	3.7%	--	0.0%	50.0%	0.0%	0.0%	0.0%	30.0%	16.7%	12.5%	14.3%	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	3.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST6057	91	0	0	1	0	0	0	7	1	3	2	8	3	8	4	3	4	9	1	14	2	12	1	6	0	2	0	0
# Fail	6	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
% Fail	6.6%	--	--	0.0%	--	--	--	0.0%	100%	0.0%	50.0%	12.5%	33.3%	12.5%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--
WIST6058	2,317	7	6	15	11	36	17	59	20	112	30	136	48	162	44	189	62	262	66	285	68	322	45	288	26	1	0	0
# Fail	89	2	1	1	2	3	2	8	4	8	5	10	3	7	1	7	2	7	1	5	1	8	0	1	0	0	0	0
% Fail	3.8%	28.6%	16.7%	6.7%	18.2%	8.3%	11.8%	13.6%	20.0%	7.1%	16.7%	7.4%	6.3%	4.3%	2.3%	3.7%	3.2%	2.7%	1.5%	1.8%	1.5%	2.5%	0.0%	0.3%	0.0%	0.0%	--	--
WIST6059	379	3	0	4	0	10	0	8	2	13	3	20	8	37	10	32	12	32	11	55	16	48	7	44	2	1	1	0
# Fail	12	0	0	0	0	0	0	0	0	1	1	3	2	2	0	0	0	0	1	0	1	1	0	0	0	0	0	0
% Fail	3.2%	0.0%	--	0.0%	--	0.0%	--	0.0%	0.0%	7.7%	33.3%	15.0%	25.0%	5.4%	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	6.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST6060	48	0	0	0	0	0	0	1	0	3	0	2	1	2	1	0	1	1	5	2	6	6	4	6	2	5	0	0
# Fail	4	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
% Fail	8.3%	--	--	--	--	--	--	0.0%	--	33.3%	--	50.0%	100%	0.0%	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	--	--
WIST6061	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	--	--	--	--	--	--	--
WIST7004	6,709	51	26	92	34	184	58	281	90	370	125	497	135	610	98	466	133	652	173	809	179	869	80	649	37	10	1	0
# Fail	286	2	6	14	7	16	5	25	8	32	14	44	14	28	4	13	5	18	3	13	4	9	1	0	0	1	0	0
% Fail	4.3%	3.9%	23.1%	15.2%	20.6%	8.7%	8.6%	8.9%	8.9%	8.6%	11.2%	8.9%	10.4%	4.6%	4.1%	2.8%	3.8%	2.8%	1.7%	1.6%	2.2%	1.0%	1.3%	0.0%	0.0%	10.0%	0.0%	--
WIST7006	716	4	1	4	1	9	3	27	5	27	7	25	7	62	4	46	12	91	6	100	23	127	9	107	9	0	0	0
# Fail	19	1	0	0	0	0	1	0	2	3	1	1	0	3	1	0	1	0	0	3	1	1	0	0	0	0	0	0
% Fail	2.7%	25.0%	0.0%	0.0%	0.0%	0.0%	33.3%	0.0%	40.0%	11.1%	14.3%	4.0%	0.0%	4.8%	25.0%	0.0%	8.3%	0.0%	0.0%	3.0%	4.3%	0.8%	0.0%	0.0%	0.0%	--	--	--
WIST7009	2,629	8	8	16	8	29	15	60	31	115	39	139	63	205	52	188	55	260	78	298	97	435	49	354	15	7	5	0
# Fail	62	2	1	1	1	1	2	4	2	3	4	8	1	9	3	2	0	3	1	3	2	5	0	4	0	0	0	0
% Fail	2.4%	25.0%	12.5%	6.3%	12.5%	3.4%	13.3%	6.7%	6.5%	2.6%	10.3%	5.8%	1.6%	4.4%	5.8%	1.1%	0.0%	1.2%	1.3%	1.0%	2.1%	1.1%	0.0%	1.1%	0.0%	0.0%	0.0%	--
WIST7011	5,831	39	14	73	30	137	54	209	70	308	110	378	106	439	89	377	106	609	144	761	165	819	81	676	30	5	2	0
# Fail	159	4	1	6	3	10	2	11	4	16	3	24	6	16	3	13	1	12	1	11	4	5	2	0	1	0	0	0
% Fail	2.7%	10.3%	7.1%	8.2%	10.0%	7.3%	3.7%	5.3%	5.7%	5.2%	2.7%	6.3%	5.7%	3.6%	3.4%	3.4%	0.9%	2.0%	0.7%	1.4%	2.4%	0.6%	2.5%	0.0%	3.3%	0.0%	0.0%	--
WIST7014	17,437	90	40	196	73	323	109	530	151	835	234	1,085	341	1,401	268	1,361	394	1,802	458	2,326	525	2,454	242	2,099	80	17	3	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2021 to 12/31/2021

# Fail	463	9	5	11	6	22	15	38	14	59	13	48	14	53	9	39	11	35	8	35	5	9	1	4	0	0	0	0	
% Fail	2.7%	10.0%	12.5%	5.6%	8.2%	6.8%	13.8%	7.2%	9.3%	7.1%	5.6%	4.4%	4.1%	3.8%	3.4%	2.9%	2.8%	1.9%	1.7%	1.5%	1.0%	0.4%	0.4%	0.2%	0.0%	0.0%	0.0%	--	
WIST7016	11,651	32	8	78	38	158	50	261	61	428	114	613	166	867	121	882	195	1,251	293	1,742	339	1,924	184	1,715	112	15	4	0	
# Fail	232	2	1	3	0	6	5	14	5	15	4	27	7	32	5	24	5	26	5	18	5	13	1	9	0	0	0	0	
% Fail	2.0%	6.3%	12.5%	3.8%	0.0%	3.8%	10.0%	5.4%	8.2%	3.5%	3.5%	4.4%	4.2%	3.7%	4.1%	2.7%	2.6%	2.1%	1.7%	1.0%	1.5%	0.7%	0.5%	0.5%	0.0%	0.0%	0.0%	--	
WIST7020	784	4	1	11	2	23	9	24	4	47	10	58	17	52	8	49	9	79	25	111	22	116	9	90	4	0	0	0	
# Fail	27	0	0	1	1	3	1	3	0	5	0	2	1	5	1	0	0	2	0	1	0	1	0	0	0	0	0	0	
% Fail	3.4%	0.0%	0.0%	9.1%	50.0%	13.0%	11.1%	12.5%	0.0%	10.6%	0.0%	3.4%	5.9%	9.6%	12.5%	0.0%	0.0%	2.5%	0.0%	0.9%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST7022	10,142	41	19	101	30	165	52	315	89	497	125	627	162	842	133	824	192	1,153	235	1,334	267	1,418	117	1,344	51	7	2	0	
# Fail	244	0	0	6	3	3	4	15	8	35	8	23	11	30	5	20	3	25	1	21	4	14	1	4	0	0	0	0	
% Fail	2.4%	0.0%	0.0%	5.9%	10.0%	1.8%	7.7%	4.8%	9.0%	7.0%	6.4%	3.7%	6.8%	3.6%	3.8%	2.4%	1.6%	2.2%	0.4%	1.6%	1.5%	1.0%	0.9%	0.3%	0.0%	0.0%	0.0%	--	
WIST7031	799	2	1	5	3	8	2	22	2	30	9	43	6	56	10	63	13	104	18	118	15	133	7	129	0	0	0	0	
# Fail	9	1	0	0	0	0	0	1	0	1	1	2	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	
% Fail	1.1%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	3.3%	11.1%	4.7%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.8%	--	--	--	--	
WIST7033	9,735	62	30	128	63	257	85	427	128	534	225	702	259	756	161	716	249	1,002	285	1,150	306	1,173	109	878	43	5	2	0	
# Fail	392	5	8	16	3	22	9	32	12	41	13	61	26	37	6	35	7	22	5	13	3	13	0	3	0	0	0	0	
% Fail	4.0%	8.1%	26.7%	12.5%	4.8%	8.6%	10.6%	7.5%	9.4%	7.7%	5.8%	8.7%	10.0%	4.9%	3.7%	4.9%	2.8%	2.2%	1.8%	1.1%	1.0%	1.1%	0.0%	0.3%	0.0%	0.0%	0.0%	--	
WIST7036	8,096	52	19	110	50	189	81	321	134	459	152	575	209	667	155	632	187	725	204	983	247	1,001	104	798	38	2	2	0	
# Fail	419	1	3	9	9	25	7	36	16	59	16	45	16	36	10	34	12	31	9	22	4	12	4	3	0	0	0	0	
% Fail	5.2%	1.9%	15.8%	8.2%	18.0%	13.2%	8.6%	11.2%	11.9%	12.9%	10.5%	7.8%	7.7%	5.4%	6.5%	5.4%	6.4%	4.3%	4.4%	2.2%	1.6%	1.2%	3.8%	0.4%	0.0%	0.0%	0.0%	--	
WIST7039	2,648	11	6	25	5	39	14	79	19	87	31	164	42	200	31	199	38	300	68	366	66	424	38	381	14	1	0	0	
# Fail	29	0	1	0	0	1	0	0	2	2	0	4	1	5	0	2	0	2	1	2	3	2	0	1	0	0	0	0	
% Fail	1.1%	0.0%	16.7%	0.0%	0.0%	2.6%	0.0%	0.0%	10.5%	2.3%	0.0%	2.4%	2.4%	2.5%	0.0%	1.0%	0.0%	0.7%	1.5%	0.5%	4.5%	0.5%	0.0%	0.3%	0.0%	0.0%	--	--	
WIST7040	1,060	5	3	5	2	18	3	37	8	48	10	61	14	63	8	82	14	118	26	173	38	178	18	125	1	1	1	0	
# Fail	20	0	1	1	0	0	1	2	2	1	1	1	0	0	1	0	0	1	1	6	0	0	0	1	0	0	0	0	
% Fail	1.9%	0.0%	33.3%	20.0%	0.0%	0.0%	33.3%	5.4%	25.0%	2.1%	10.0%	1.6%	0.0%	0.0%	12.5%	0.0%	0.0%	0.8%	3.8%	3.5%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	--	
WIST7042	4,351	15	5	34	16	79	15	158	32	206	35	278	41	377	51	361	52	535	59	676	58	682	17	568	1	0	0	0	
# Fail	119	2	0	2	2	7	2	13	3	15	5	11	0	15	1	4	3	6	0	13	2	13	0	0	0	0	0	0	
% Fail	2.7%	13.3%	0.0%	5.9%	12.5%	8.9%	13.3%	8.2%	9.4%	7.3%	14.3%	4.0%	0.0%	4.0%	2.0%	1.1%	5.8%	1.1%	0.0%	1.9%	3.4%	1.9%	0.0%	0.0%	0.0%	--	--	--	
WIST7045	4,067	12	8	41	15	75	19	106	29	173	42	232	51	336	36	319	71	457	71	571	96	677	56	567	3	4	0	0	
# Fail	94	1	2	4	0	4	2	7	1	15	1	9	2	10	1	9	1	12	2	5	0	3	0	3	0	0	0	0	
% Fail	2.3%	8.3%	25.0%	9.8%	0.0%	5.3%	10.5%	6.6%	3.4%	8.7%	2.4%	3.9%	3.9%	3.0%	2.8%	2.8%	1.4%	2.6%	2.8%	0.9%	0.0%	0.4%	0.0%	0.5%	0.0%	0.0%	--	--	
WIST7049	2,626	7	4	15	7	44	10	65	18	115	28	138	22	202	32	207	40	297	61	336	74	417	30	423	29	4	1	0	
# Fail	45	0	0	1	1	2	2	5	0	2	3	6	0	6	1	3	4	5	0	1	0	3	0	0	0	0	0	0	
% Fail	1.7%	0.0%	0.0%	6.7%	14.3%	4.5%	20.0%	7.7%	0.0%	1.7%	10.7%	4.3%	0.0%	3.0%	3.1%	1.4%	10.0%	1.7%	0.0%	0.3%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	--	
WIST7052	3,514	12	5	24	10	57	11	77	24	142	28	182	44	257	39	270	57	419	81	546	101	598	56	466	7	0	1	0	
# Fail	84	0	1	1	3	3	3	5	3	8	0	6	8	12	0	9	0	6	2	9	3	1	0	1	0	0	0	0	
% Fail	2.4%	0.0%	20.0%	4.2%	30.0%	5.3%	27.3%	6.5%	12.5%	5.6%	0.0%	3.3%	18.2%	4.7%	0.0%	3.3%	0.0%	1.4%	2.5%	1.6%	3.0%	0.2%	0.0%	0.2%	0.0%	--	0.0%	--	
WIST7053	2,808	21	16	27	24	60	23	111	39	145	42	170	61	220	48	197	63	315	65	357	77	344	37	335	9	0	2	0	

# Fail	94	2	2	3	2	1	3	8	4	11	2	10	4	7	2	6	0	9	3	4	2	4	2	3	0	0	0	0
% Fail	3.3%	9.5%	12.5%	11.1%	8.3%	1.7%	13.0%	7.2%	10.3%	7.6%	4.8%	5.9%	6.6%	3.2%	4.2%	3.0%	0.0%	2.9%	4.6%	1.1%	2.6%	1.2%	5.4%	0.9%	0.0%	--	0.0%	--
WIST7055	9,813	61	17	99	38	237	68	395	111	576	174	700	197	877	146	772	215	1,076	224	1,193	236	1,267	104	983	37	9	1	0
# Fail	284	5	0	9	4	15	5	27	8	32	15	29	8	31	5	25	6	25	3	16	1	11	1	3	0	0	0	0
% Fail	2.9%	8.2%	0.0%	9.1%	10.5%	6.3%	7.4%	6.8%	7.2%	5.6%	8.6%	4.1%	4.1%	3.5%	3.4%	3.2%	2.8%	2.3%	1.3%	1.3%	0.4%	0.9%	1.0%	0.3%	0.0%	0.0%	0.0%	--
WIST7056	1,131	6	2	13	6	29	8	39	13	61	19	83	22	96	15	92	27	114	31	136	25	147	20	125	2	0	0	0
# Fail	21	0	0	0	1	2	1	2	1	1	1	1	1	2	1	2	0	3	0	1	0	1	0	0	0	0	0	0
% Fail	1.9%	0.0%	0.0%	0.0%	16.7%	6.9%	12.5%	5.1%	7.7%	1.6%	5.3%	1.2%	4.5%	2.1%	6.7%	2.2%	0.0%	2.6%	0.0%	0.7%	0.0%	0.7%	0.0%	0.0%	0.0%	--	--	--
WIST7061	1,579	8	4	24	10	40	9	65	15	94	22	120	27	141	19	121	24	153	39	182	33	228	18	173	9	1	0	0
# Fail	51	0	0	2	2	5	1	4	3	5	0	11	2	6	0	4	2	1	0	2	0	1	0	0	0	0	0	0
% Fail	3.2%	0.0%	0.0%	8.3%	20.0%	12.5%	11.1%	6.2%	20.0%	5.3%	0.0%	9.2%	7.4%	4.3%	0.0%	3.3%	8.3%	0.7%	0.0%	1.1%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7068	5,923	17	6	48	22	99	22	154	42	258	62	354	95	490	58	467	133	680	151	792	167	897	96	758	45	7	3	0
# Fail	134	2	2	3	0	3	1	10	3	13	5	14	8	22	1	15	2	10	0	9	1	9	1	0	0	0	0	0
% Fail	2.3%	11.8%	33.3%	6.3%	0.0%	3.0%	4.5%	6.5%	7.1%	5.0%	8.1%	4.0%	8.4%	4.5%	1.7%	3.2%	1.5%	1.5%	0.0%	1.1%	0.6%	1.0%	1.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7070	5,884	24	10	33	18	88	29	149	42	267	54	310	89	506	63	455	116	624	151	756	173	990	79	812	40	4	2	0
# Fail	111	0	1	2	1	5	3	10	6	11	3	12	4	19	1	6	2	3	6	8	2	5	1	0	0	0	0	0
% Fail	1.9%	0.0%	10.0%	6.1%	5.6%	5.7%	10.3%	6.7%	14.3%	4.1%	5.6%	3.9%	4.5%	3.8%	1.6%	1.3%	1.7%	0.5%	4.0%	1.1%	1.2%	0.5%	1.3%	0.0%	0.0%	0.0%	0.0%	--
WIST7073	4,314	27	16	61	23	102	35	137	71	207	94	263	87	318	51	285	97	386	142	530	161	600	70	517	24	8	2	0
# Fail	146	2	2	6	1	6	7	9	6	15	3	21	4	12	2	13	6	10	4	7	0	6	1	3	0	0	0	0
% Fail	3.4%	7.4%	12.5%	9.8%	4.3%	5.9%	20.0%	6.6%	8.5%	7.2%	3.2%	8.0%	4.6%	3.8%	3.9%	4.6%	6.2%	2.6%	2.8%	1.3%	0.0%	1.0%	1.4%	0.6%	0.0%	0.0%	0.0%	--
WIST7075	3,345	17	7	51	8	76	20	121	33	182	62	222	54	295	49	251	62	350	66	418	96	435	50	386	29	4	1	0
# Fail	64	1	1	2	0	1	0	4	3	7	1	10	3	12	1	4	1	7	2	1	1	2	0	0	0	0	0	0
% Fail	1.9%	5.9%	14.3%	3.9%	0.0%	1.3%	0.0%	3.3%	9.1%	3.8%	1.6%	4.5%	5.6%	4.1%	2.0%	1.6%	1.6%	2.0%	3.0%	0.2%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	--
WIST7076	8,334	29	10	61	17	127	30	207	68	346	87	494	143	565	104	628	141	934	189	1,204	238	1,390	127	1,132	56	5	2	0
# Fail	192	2	0	2	2	11	5	12	3	16	3	17	8	21	9	27	1	13	4	14	5	6	3	7	1	0	0	0
% Fail	2.3%	6.9%	0.0%	3.3%	11.8%	8.7%	16.7%	5.8%	4.4%	4.6%	3.4%	3.4%	5.6%	3.7%	8.7%	4.3%	0.7%	1.4%	2.1%	1.2%	2.1%	0.4%	2.4%	0.6%	1.8%	0.0%	0.0%	--
WIST7081	8,258	43	15	94	44	192	57	258	97	455	168	582	235	806	166	651	209	826	222	918	280	1,003	111	793	25	6	2	0
# Fail	346	5	0	10	4	16	6	27	10	43	11	39	23	43	8	30	5	21	4	19	4	15	0	1	1	1	0	0
% Fail	4.2%	11.6%	0.0%	10.6%	9.1%	8.3%	10.5%	10.5%	10.3%	9.5%	6.5%	6.7%	9.8%	5.3%	4.8%	4.6%	2.4%	2.5%	1.8%	2.1%	1.4%	1.5%	0.0%	0.1%	4.0%	16.7%	0.0%	--
WIST7086	2,548	7	3	27	4	28	7	51	17	80	23	152	37	192	34	214	43	271	49	371	63	410	41	412	7	3	2	0
# Fail	39	0	0	2	0	2	1	0	1	5	2	6	3	4	0	3	0	3	2	4	0	0	1	0	0	0	0	0
% Fail	1.5%	0.0%	0.0%	7.4%	0.0%	7.1%	14.3%	0.0%	5.9%	6.3%	8.7%	3.9%	8.1%	2.1%	0.0%	1.4%	0.0%	1.1%	4.1%	1.1%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	--
WIST7088	2,011	10	5	18	5	35	18	73	32	83	40	135	57	150	29	139	39	201	77	243	83	248	46	226	18	1	0	0
# Fail	76	0	1	4	0	2	1	8	6	3	4	7	1	13	2	4	3	4	2	4	2	4	1	0	0	0	0	0
% Fail	3.8%	0.0%	20.0%	22.2%	0.0%	5.7%	5.6%	11.0%	18.8%	3.6%	10.0%	5.2%	1.8%	8.7%	6.9%	2.9%	7.7%	2.0%	2.6%	1.6%	2.4%	1.6%	2.2%	0.0%	0.0%	0.0%	--	--
WIST7092	2,392	13	4	15	9	35	11	88	32	108	34	143	34	190	22	185	39	226	52	361	72	371	26	313	8	1	0	0
# Fail	83	2	0	4	0	0	1	10	1	11	3	6	0	13	2	7	1	7	1	9	2	3	0	0	0	0	0	0
% Fail	3.5%	15.4%	0.0%	26.7%	0.0%	0.0%	9.1%	11.4%	3.1%	10.2%	8.8%	4.2%	0.0%	6.8%	9.1%	3.8%	2.6%	3.1%	1.9%	2.5%	2.8%	0.8%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7093	8,798	37	14	93	17	139	42	264	62	402	99	543	161	703	142	767	142	906	224	1,208	235	1,346	122	1,075	44	11	0	0

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2021 to 12/31/2021

# Fail	374	3	2	10	3	13	9	33	7	32	13	35	21	38	19	24	7	20	16	22	17	21	3	2	4	0	0	0
% Fail	4.3%	8.1%	14.3%	10.8%	17.6%	9.4%	21.4%	12.5%	11.3%	8.0%	13.1%	6.4%	13.0%	5.4%	13.4%	3.1%	4.9%	2.2%	7.1%	1.8%	7.2%	1.6%	2.5%	0.2%	9.1%	0.0%	--	--
WIST7094	6,529	15	10	51	23	92	29	169	52	259	69	387	77	495	76	499	97	729	142	996	142	1,057	88	926	46	3	0	0
# Fail	105	1	0	4	1	5	1	10	5	14	1	12	2	14	2	7	0	6	5	8	0	5	0	2	0	0	0	0
% Fail	1.6%	6.7%	0.0%	7.8%	4.3%	5.4%	3.4%	5.9%	9.6%	5.4%	1.4%	3.1%	2.6%	2.8%	2.6%	1.4%	0.0%	0.8%	3.5%	0.8%	0.0%	0.5%	0.0%	0.2%	0.0%	0.0%	--	--
WIST7095	3,339	7	6	21	6	54	7	98	20	130	37	197	32	248	43	259	45	389	61	469	95	572	56	461	23	1	2	0
# Fail	57	0	1	0	1	2	0	2	1	3	5	9	0	5	2	8	1	4	0	8	2	2	0	1	0	0	0	0
% Fail	1.7%	0.0%	16.7%	0.0%	16.7%	3.7%	0.0%	2.0%	5.0%	2.3%	13.5%	4.6%	0.0%	2.0%	4.7%	3.1%	2.2%	1.0%	0.0%	1.7%	2.1%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	--
WIST7098	1,635	5	3	13	5	23	9	32	9	85	18	105	17	148	24	148	34	202	48	189	46	242	30	193	6	1	0	0
# Fail	70	0	0	0	1	3	4	6	1	9	1	9	1	7	3	8	0	7	3	3	1	1	0	1	1	0	0	0
% Fail	4.3%	0.0%	0.0%	0.0%	20.0%	13.0%	44.4%	18.8%	11.1%	10.6%	5.6%	8.6%	5.9%	4.7%	12.5%	5.4%	0.0%	3.5%	6.3%	1.6%	2.2%	0.4%	0.0%	0.5%	16.7%	0.0%	--	--
WIST7103	1,289	8	1	13	3	28	5	34	9	56	14	76	24	109	15	91	23	147	24	174	30	206	19	162	17	1	0	0
# Fail	27	0	0	1	1	1	0	2	1	2	1	3	1	1	2	2	2	2	1	2	0	1	0	1	0	0	0	0
% Fail	2.1%	0.0%	0.0%	7.7%	33.3%	3.6%	0.0%	5.9%	11.1%	3.6%	7.1%	3.9%	4.2%	0.9%	13.3%	2.2%	8.7%	1.4%	4.2%	1.1%	0.0%	0.5%	0.0%	0.6%	0.0%	0.0%	--	--
WIST7106	2,584	7	1	13	6	28	8	56	13	93	22	157	31	206	27	276	37	310	40	309	57	420	27	406	22	12	0	0
# Fail	24	0	0	1	0	2	0	3	0	3	1	3	0	4	1	2	0	1	2	0	0	0	0	1	0	0	0	0
% Fail	0.9%	0.0%	0.0%	7.7%	0.0%	7.1%	0.0%	5.4%	0.0%	3.2%	4.5%	1.9%	0.0%	1.9%	3.7%	0.7%	0.0%	0.3%	5.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	--	--
WIST7115	650	6	1	4	2	12	4	26	6	39	6	29	13	41	10	55	7	77	16	93	10	98	14	76	4	1	0	0
# Fail	8	1	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	0	0	0	0	0
% Fail	1.2%	16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	1.3%	0.0%	1.1%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7120	5,169	20	25	49	41	99	46	163	99	291	144	378	203	427	135	418	168	477	202	531	194	560	84	403	9	3	0	0
# Fail	267	1	6	10	4	15	8	25	10	31	8	29	17	21	17	8	14	19	6	10	2	4	0	2	0	0	0	0
% Fail	5.2%	5.0%	24.0%	20.4%	9.8%	15.2%	17.4%	15.3%	10.1%	10.7%	5.6%	7.7%	8.4%	4.9%	12.6%	1.9%	8.3%	4.0%	3.0%	1.9%	1.0%	0.7%	0.0%	0.5%	0.0%	0.0%	--	--
WIST7123	40	0	0	3	0	2	0	2	0	2	0	7	1	3	1	1	1	3	2	4	2	4	0	1	0	1	0	0
# Fail	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Fail	5.0%	--	--	0.0%	--	50.0%	--	50.0%	--	0.0%	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	0.0%	--	0.0%	--	--
WIST7124	1,926	8	4	19	9	26	7	46	23	71	33	122	50	148	39	172	46	222	47	242	69	257	33	228	4	1	0	0
# Fail	72	1	0	1	3	2	1	5	3	8	1	6	4	7	5	6	2	7	1	4	2	1	0	2	0	0	0	0
% Fail	3.7%	12.5%	0.0%	5.3%	33.3%	7.7%	14.3%	10.9%	13.0%	11.3%	3.0%	4.9%	8.0%	4.7%	12.8%	3.5%	4.3%	3.2%	2.1%	1.7%	2.9%	0.4%	0.0%	0.9%	0.0%	0.0%	--	--
WIST7126	2,805	13	6	29	6	53	11	81	18	130	33	165	46	233	29	224	47	333	45	399	57	467	16	359	2	1	1	1
# Fail	113	0	0	5	1	6	4	8	3	13	1	9	5	9	2	11	6	6	0	11	1	9	0	3	0	0	0	0
% Fail	4.0%	0.0%	0.0%	17.2%	16.7%	11.3%	36.4%	9.9%	16.7%	10.0%	3.0%	5.5%	10.9%	3.9%	6.9%	4.9%	12.8%	1.8%	0.0%	2.8%	1.8%	1.9%	0.0%	0.8%	0.0%	0.0%	0.0%	--
WIST7129	8,360	40	18	74	36	169	47	278	90	428	116	539	154	682	111	649	162	887	213	1,164	189	1,229	78	981	19	7	0	0
# Fail	216	4	0	2	2	9	7	19	5	24	6	28	6	34	3	14	2	19	4	17	1	8	2	0	0	0	0	0
% Fail	2.6%	10.0%	0.0%	2.7%	5.6%	5.3%	14.9%	6.8%	5.6%	5.6%	5.2%	5.2%	3.9%	5.0%	2.7%	2.2%	1.2%	2.1%	1.9%	1.5%	0.5%	0.7%	2.6%	0.0%	0.0%	0.0%	--	--
WIST7130	4,074	19	4	42	17	79	23	128	48	181	64	280	97	355	55	326	98	439	105	491	120	576	70	425	24	7	1	0
# Fail	123	1	1	1	1	4	2	7	4	14	4	15	7	21	3	7	5	6	5	7	1	5	1	1	0	0	0	0
% Fail	3.0%	5.3%	25.0%	2.4%	5.9%	5.1%	8.7%	5.5%	8.3%	7.7%	6.3%	5.4%	7.2%	5.9%	5.5%	2.1%	5.1%	1.4%	4.8%	1.4%	0.8%	0.9%	1.4%	0.2%	0.0%	0.0%	0.0%	--
WIST7132	1,328	4	4	14	6	26	7	46	19	67	27	97	37	87	30	116	25	151	40	158	57	165	16	123	5	1	0	0

# Fail	87	2	1	2	0	2	2	8	4	8	6	8	4	8	2	6	0	8	2	5	3	6	0	0	0	0	0	0	
% Fail	6.6%	50.0%	25.0%	14.3%	0.0%	7.7%	28.6%	17.4%	21.1%	11.9%	22.2%	8.2%	10.8%	9.2%	6.7%	5.2%	0.0%	5.3%	5.0%	3.2%	5.3%	3.6%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST7134	506	4	2	10	3	20	6	20	3	31	4	48	13	40	6	36	13	41	10	68	10	65	4	48	1	0	0	0	
# Fail	7	0	0	0	1	0	0	0	0	1	0	0	0	3	0	1	0	0	0	0	0	1	0	0	0	0	0	0	
% Fail	1.4%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	7.5%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	--	--	--	
WIST7135	5,452	11	6	46	9	78	19	128	30	221	45	309	55	426	46	460	76	594	88	817	123	951	71	821	16	4	2	0	
# Fail	93	0	0	1	1	4	0	3	1	8	1	19	4	11	0	12	1	8	0	9	2	7	0	1	0	0	0	0	
% Fail	1.7%	0.0%	0.0%	2.2%	11.1%	5.1%	0.0%	2.3%	3.3%	3.6%	2.2%	6.1%	7.3%	2.6%	0.0%	2.6%	1.3%	1.3%	0.0%	1.1%	1.6%	0.7%	0.0%	0.1%	0.0%	0.0%	0.0%	--	
WIST7137	180	1	0	0	0	5	1	11	1	5	3	8	5	15	2	14	5	25	9	20	10	21	1	16	2	0	0	0	
# Fail	8	0	0	0	0	1	0	1	0	1	1	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	
% Fail	4.4%	0.0%	--	--	--	20.0%	0.0%	9.1%	0.0%	20.0%	33.3%	0.0%	0.0%	0.0%	50.0%	7.1%	0.0%	0.0%	0.0%	5.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST7138	1,099	5	2	12	6	16	5	32	10	63	19	69	35	86	29	86	10	122	27	114	22	159	12	154	4	0	0	0	
# Fail	29	0	1	3	0	1	0	4	0	3	1	3	2	4	2	2	0	1	0	2	0	0	0	0	0	0	0	0	
% Fail	2.6%	0.0%	50.0%	25.0%	0.0%	6.3%	0.0%	12.5%	0.0%	4.8%	5.3%	4.3%	5.7%	4.7%	6.9%	2.3%	0.0%	0.8%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	--
WIST7140	5,166	12	7	21	6	47	19	118	26	190	33	242	59	352	57	426	91	591	119	722	143	922	94	833	26	7	3	0	
# Fail	94	0	0	1	0	5	2	10	1	19	0	14	3	8	3	4	5	5	2	1	4	4	1	2	0	0	0	0	
% Fail	1.8%	0.0%	0.0%	4.8%	0.0%	10.6%	10.5%	8.5%	3.8%	10.0%	0.0%	5.8%	5.1%	2.3%	5.3%	0.9%	5.5%	0.8%	1.7%	0.1%	2.8%	0.4%	1.1%	0.2%	0.0%	0.0%	0.0%	--	
WIST7141	6,303	31	16	53	19	90	39	188	59	230	82	348	121	427	101	415	142	687	189	820	211	1,028	94	854	50	8	1	0	
# Fail	207	2	0	2	2	13	3	15	5	24	7	22	7	24	4	11	5	19	3	20	1	12	0	6	0	0	0	0	
% Fail	3.3%	6.5%	0.0%	3.8%	10.5%	14.4%	7.7%	8.0%	8.5%	10.4%	8.5%	6.3%	5.8%	5.6%	4.0%	2.7%	3.5%	2.8%	1.6%	2.4%	0.5%	1.2%	0.0%	0.7%	0.0%	0.0%	0.0%	--	
WIST7142	248	1	2	1	2	6	4	14	3	14	4	16	9	18	10	12	8	23	8	26	11	30	4	15	6	1	0	0	
# Fail	3	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	0.0%	6.3%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST7143	88	0	0	1	0	1	0	0	0	1	3	1	2	3	3	2	2	7	4	10	5	10	11	8	6	8	0	0	
# Fail	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	
% Fail	2.3%	--	--	0.0%	--	0.0%	--	--	--	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--
WIST8001	683	2	0	2	2	11	2	16	4	26	12	34	8	44	8	51	11	77	11	91	19	122	10	118	1	1	0	0	
# Fail	13	0	0	0	0	0	0	1	1	2	1	2	0	0	0	2	0	1	1	0	0	1	1	0	0	0	0	0	
% Fail	1.9%	0.0%	--	0.0%	0.0%	0.0%	0.0%	6.3%	25.0%	7.7%	8.3%	5.9%	0.0%	0.0%	0.0%	3.9%	0.0%	1.3%	9.1%	0.0%	0.0%	0.8%	10.0%	0.0%	0.0%	0.0%	--	--	
WIST8003	422	73	8	0	6	14	6	1	3	8	1	24	15	0	0	35	0	191	1	10	2	0	0	0	0	24	0	0	
# Fail	53	16	0	0	2	1	2	1	2	0	0	10	1	0	0	8	0	5	1	2	2	0	0	0	0	0	0	0	
% Fail	12.6%	21.9%	0.0%	--	33.3%	7.1%	33.3%	100%	66.7%	0.0%	0.0%	41.7%	6.7%	--	--	22.9%	--	2.6%	100%	20.0%	100%	--	--	--	--	0.0%	--	--	
WIST8004	7,313	67	44	125	63	219	111	453	154	588	274	672	277	693	192	550	264	632	266	598	204	505	53	289	13	6	1	0	
# Fail	499	6	8	14	11	20	19	65	22	72	29	49	29	56	6	30	14	18	4	15	5	5	2	0	0	0	0	0	
% Fail	6.8%	9.0%	18.2%	11.2%	17.5%	9.1%	17.1%	14.3%	14.3%	12.2%	10.6%	7.3%	10.5%	8.1%	3.1%	5.5%	5.3%	2.8%	1.5%	2.5%	2.5%	1.0%	3.8%	0.0%	0.0%	0.0%	0.0%	--	
WIST8008	6,848	36	31	81	58	163	90	290	152	410	195	483	273	610	171	548	231	634	259	658	245	653	82	462	25	5	3	0	
# Fail	452	8	7	7	5	17	21	40	19	56	28	57	40	45	16	19	14	20	9	12	8	3	1	0	0	0	0	0	
% Fail	6.6%	22.2%	22.6%	8.6%	8.6%	10.4%	23.3%	13.8%	12.5%	13.7%	14.4%	11.8%	14.7%	7.4%	9.4%	3.5%	6.1%	3.2%	3.5%	1.8%	3.3%	0.5%	1.2%	0.0%	0.0%	0.0%	0.0%	--	
WIST8009	4,903	21	13	26	14	80	21	139	44	202	53	297	77	362	66	415	74	557	126	720	138	777	49	602	24	6	0	0	

40 CFR Part 51.366 (a)(4)
Initial Test Failure by Model Year and Station
from 1/1/2021 to 12/31/2021

# Fail	99	1	0	1	0	4	2	12	3	11	1	13	4	13	2	7	0	8	3	8	1	2	0	3	0	0	0	0	
% Fail	2.0%	4.8%	0.0%	3.8%	0.0%	5.0%	9.5%	8.6%	6.8%	5.4%	1.9%	4.4%	5.2%	3.6%	3.0%	1.7%	0.0%	1.4%	2.4%	1.1%	0.7%	0.3%	0.0%	0.5%	0.0%	0.0%	--	--	
WIST8011	7,917	42	14	84	29	169	37	278	71	373	89	500	124	646	96	603	131	852	184	1,100	214	1,164	91	973	51	1	1	0	
# Fail	222	2	1	2	1	11	5	16	6	22	5	19	10	30	2	26	1	24	6	19	1	9	0	4	0	0	0	0	
% Fail	2.8%	4.8%	7.1%	2.4%	3.4%	6.5%	13.5%	5.8%	8.5%	5.9%	5.6%	3.8%	8.1%	4.6%	2.1%	4.3%	0.8%	2.8%	3.3%	1.7%	0.5%	0.8%	0.0%	0.4%	0.0%	0.0%	0.0%	--	
WIST8016	3,032	21	9	31	7	62	9	86	16	142	31	168	36	216	29	229	46	371	52	396	72	485	39	459	19	1	0	0	
# Fail	64	1	1	2	1	2	0	1	2	5	3	10	2	8	0	9	2	9	0	1	0	5	0	0	0	0	0	0	
% Fail	2.1%	4.8%	11.1%	6.5%	14.3%	3.2%	0.0%	1.2%	12.5%	3.5%	9.7%	6.0%	5.6%	3.7%	0.0%	3.9%	4.3%	2.4%	0.0%	0.3%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST8017	2,904	12	11	22	13	64	17	95	33	148	45	179	62	249	45	242	64	294	63	413	88	410	14	313	6	1	1	0	
# Fail	93	0	0	3	2	2	2	9	2	14	3	12	5	11	4	3	2	5	1	8	1	3	0	1	0	0	0	0	
% Fail	3.2%	0.0%	0.0%	13.6%	15.4%	3.1%	11.8%	9.5%	6.1%	9.5%	6.7%	6.7%	8.1%	4.4%	8.9%	1.2%	3.1%	1.7%	1.6%	1.9%	1.1%	0.7%	0.0%	0.3%	0.0%	0.0%	0.0%	--	
WIST8018	997	4	2	10	6	22	5	35	16	47	13	75	26	84	13	90	20	102	25	104	29	132	12	116	5	3	1	0	
# Fail	31	1	0	0	0	0	0	3	1	3	2	2	1	4	1	2	1	4	2	3	1	0	0	0	0	0	0	0	
% Fail	3.1%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.6%	6.3%	6.4%	15.4%	2.7%	3.8%	4.8%	7.7%	2.2%	5.0%	3.9%	8.0%	2.9%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--	
WIST8023	3,366	12	12	27	9	51	23	85	31	163	47	231	69	235	57	259	86	375	106	423	90	474	57	421	18	4	1	0	
# Fail	89	1	0	3	1	4	1	4	3	12	6	12	7	6	1	9	3	4	0	7	2	1	0	2	0	0	0	0	
% Fail	2.6%	8.3%	0.0%	11.1%	11.1%	7.8%	4.3%	4.7%	9.7%	7.4%	12.8%	5.2%	10.1%	2.6%	1.8%	3.5%	3.5%	1.1%	0.0%	1.7%	2.2%	0.2%	0.0%	0.5%	0.0%	0.0%	0.0%	--	
WIST8024	733	3	8	9	3	18	5	38	14	49	12	52	25	48	14	51	22	71	19	95	22	75	9	68	1	2	0	0	
# Fail	47	0	1	1	0	1	0	4	3	6	5	3	3	6	0	3	1	2	1	5	0	2	0	0	0	0	0	0	
% Fail	6.4%	0.0%	12.5%	11.1%	0.0%	5.6%	0.0%	10.5%	21.4%	12.2%	41.7%	5.8%	12.0%	12.5%	0.0%	5.9%	4.5%	2.8%	5.3%	5.3%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST8025	5	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	
# Fail	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	20.0%	--	--	--	--	--	--	--	0.0%	0.0%	100%	--	--	--	--	--	--	--	--	0.0%	--	--	--	0.0%	--	--	--	--	
WIST8026	1,596	8	4	7	9	31	9	65	32	76	40	114	61	143	32	158	54	169	43	167	47	160	19	130	10	8	0	0	
# Fail	82	3	1	0	0	4	3	12	6	10	7	7	4	3	1	7	2	5	3	3	1	0	0	0	0	0	0	0	
% Fail	5.1%	37.5%	25.0%	0.0%	0.0%	12.9%	33.3%	18.5%	18.8%	13.2%	17.5%	6.1%	6.6%	2.1%	3.1%	4.4%	3.7%	3.0%	7.0%	1.8%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	--	--	
WIST8027	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0
# Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Fail	0.0%	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0%	--	--	--	--	--	--	--	--	0.0%	0.0%	--	--	
WISTT0010	519	1	3	8	2	21	3	23	8	29	8	42	16	40	16	34	13	46	9	55	17	55	7	57	5	1	0	0	
# Fail	28	0	0	1	0	3	1	1	2	1	0	4	0	4	3	1	0	1	0	1	1	3	1	0	0	0	0	0	
% Fail	5.4%	0.0%	0.0%	12.5%	0.0%	14.3%	33.3%	4.3%	25.0%	3.4%	0.0%	9.5%	0.0%	10.0%	18.8%	2.9%	0.0%	2.2%	0.0%	1.8%	5.9%	5.5%	14.3%	0.0%	0.0%	0.0%	--	--	
WISTT0011	3,781	29	13	60	21	100	36	147	49	218	49	231	72	364	57	296	63	400	73	472	76	504	32	400	16	3	0	0	
# Fail	133	3	2	9	1	14	8	11	3	12	7	7	6	16	3	14	2	8	2	3	0	2	0	0	0	0	0	0	
% Fail	3.5%	10.3%	15.4%	15.0%	4.8%	14.0%	22.2%	7.5%	6.1%	5.5%	14.3%	3.0%	8.3%	4.4%	5.3%	4.7%	3.2%	2.0%	2.7%	0.6%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	--	--	
WISTT0012	507	3	0	5	4	13	5	16	12	24	14	43	14	51	11	24	19	39	13	48	18	71	9	48	1	1	1	0	
# Fail	45	0	0	1	0	2	1	3	2	4	4	7	3	8	2	3	1	0	0	1	1	1	0	1	0	0	0	0	
% Fail	8.9%	0.0%	--	20.0%	0.0%	15.4%	20.0%	18.8%	16.7%	16.7%	28.6%	16.3%	21.4%	15.7%	18.2%	12.5%	5.3%	0.0%	0.0%	2.1%	5.6%	1.4%	0.0%	2.1%	0.0%	0.0%	0.0%	--	

WISTT003	363	1	2	4	1	5	3	19	6	15	3	23	16	28	8	32	15	33	13	32	15	41	11	37	0	0	0	0
# Fail	29	0	0	0	0	1	1	7	1	2	1	1	3	3	3	2	1	0	0	1	0	2	0	0	0	0	0	0
% Fail	8.0%	0.0%	0.0%	0.0%	0.0%	20.0%	33.3%	36.8%	16.7%	13.3%	33.3%	4.3%	18.8%	10.7%	37.5%	6.3%	6.7%	0.0%	0.0%	3.1%	0.0%	4.9%	0.0%	0.0%	--	--	--	--
WISTT005	3,097	15	7	28	9	50	12	100	19	116	32	170	42	204	28	251	44	346	71	424	103	490	43	469	23	1	0	0
# Fail	68	1	0	1	1	8	0	8	2	6	3	6	1	5	3	8	0	5	1	1	1	7	0	0	0	0	0	0
% Fail	2.2%	6.7%	0.0%	3.6%	11.1%	16.0%	0.0%	8.0%	10.5%	5.2%	9.4%	3.5%	2.4%	2.5%	10.7%	3.2%	0.0%	1.4%	1.4%	0.2%	1.0%	1.4%	0.0%	0.0%	0.0%	0.0%	--	--
WISTT009	10,177	45	17	72	25	140	47	235	90	453	111	590	168	784	115	779	194	1,125	254	1,372	312	1,659	165	1,359	52	10	4	0
# Fail	261	7	2	5	3	8	6	14	8	31	4	19	12	37	2	30	4	31	5	18	3	8	2	2	0	0	0	0
% Fail	2.6%	15.6%	11.8%	6.9%	12.0%	5.7%	12.8%	6.0%	8.9%	6.8%	3.6%	3.2%	7.1%	4.7%	1.7%	3.9%	2.1%	2.8%	2.0%	1.3%	1.0%	0.5%	1.2%	0.1%	0.0%	0.0%	0.0%	--
Tested	668,644	3,353	1,539	6,693	2,736	13,013	4,393	22,034	7,264	32,968	10,368	42,502	13,494	54,347	10,413	51,973	14,273	70,609	17,439	86,197	19,057	93,527	8,780	77,451	3,362	694	162	0
# Fail	21,581	276	164	551	291	1,057	544	1,819	712	2,339	855	2,433	944	2,409	530	1,605	482	1,550	399	1,247	297	741	89	226	16	5	0	0
% Fail	3.2%	8.2%	10.7%	8.2%	10.6%	8.1%	12.4%	8.3%	9.8%	7.1%	8.2%	5.7%	7.0%	4.4%	5.1%	3.1%	3.4%	2.2%	2.3%	1.4%	1.6%	0.8%	1.0%	0.3%	0.5%	0.7%	0.0%	--

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Station	Company	Address	City	Zip	County	Total Equip Audits
WIST8024	1 Stop Auto and Detailing Service	4720 22nd AVE	Kenosha	53140	Kenosha	9
WIST4069	1 Stop Auto and Detailing Service-57th AVE	5911 57th AVE	Kenosha	53144	Kenosha	3
WIST2040	3 Kings Auto Sales	1329 43RD ST	Kenosha	53142	Kenosha	12
WIST2030	A&J Automotive	8401 W. Hampton Ave	Milwaukee	53225	Milwaukee	12
WIST5088	Abi & Sons Automotive	817 44th st	Kenosha	53140	Kenosha	12
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105	Racine	12
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002	Washington	15
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105	Racine	12
WIST6042	Amport Automotive	1324 White Rock Ave.	Waukesha	53186	Waukesha	12
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021	Ozaukee	15
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214	Milwaukee	3
WIST8027	Auto Safety Center-West Bend	3700 Washington St.	West Bend	53095	Washington	0
WIST5091	Auto Time Service LLC	3005 N. 15th st	Sheboygan	53083	Sheboygan	12
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080	Ozaukee	15
WIST8026	Autoplex MKE LLC	6000 W. Forest Home AVE	Milwaukee	53219	Milwaukee	12
WIST1024	Autoplex of Milwaukee LLC	5130 W. Forest Home Ave	Milwaukee	53219	Milwaukee	0
WIST8011	B Towne Auto Service	457 Falcon Ridge Dr	Burlington	53105	Racine	24
WIST7115	Black Tie Auto Service	584 W21172 Janesville Rd	Muskego	53150	WAUKESHA	12
WIST5008	Bob's Main Street Auto & Tow	115 W. Decorah Rd	West Bend	53095	Washington	15
WIST4045	Bob's Main Street Auto & Tow	1200 N Main St	West Bend	53090	Washington	15
WIST7140	Brookfield Auto Care	12425 W. North AVE	Brookfield	53005	Waukesha	12
WIST7132	Brown Deer Tire & Auto	4730 W Bradley Rd	Brown Deer	53223	Milwaukee	18
WIST5087	Bully Diesel and Automotive Repair	5819 52nd Street	Kenosha	53142	Kenosha	6
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53142	Waukesha	15
WIST3015	Carlton Automotive Inc.	1318 Center St., PO Box 700288	Oostburg	53070	Sheboygan	15
WIST1023	Changing Lanes	5700 W. Center	Milwaukee	53209	Milwaukee	0
WIST5049	Chris Auto Service	14000 W. Greenfield Ave.	Brookfield	53005	Waukesha	3
WIST6004	Chuck's Main St. Auto	N64 W23876 Main St.	Sussex	53089	Waukesha	12
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222	Milwaukee	15
WIST3040	D&D Automotive Repair INC	1714 Arthur Court	Waukesha	53188	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	15
WIST1020	Don's Garage	11916 Antioch Rd	Trevor	53179	Kenosha	12
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403	Racine	12
WIST7142	Dynamic Automotive Solutions LLC	1230 S. West AVE	Waukesha	53186	Waukesha	12
WIST6056	Eagle Automotive Performance LLC	3320 Howard AVE	Greenfield	53221	Milwaukee	0
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080	Ozaukee	15
WIST3021	Eric Von Schledorn - Random Lake	W4873 County Road RR	Random Lake	53066	Sheboygan	15
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066	Waukesha	15
WIST5085	Ewald Chrysler Jeep Dodge Ram	6319 S 108th Street	Franklin	53132	Milwaukee	12
WIST4064	Ewald Hartford Ford LLC	2570 E Sumner Street	Hartford	53027	Washington	15
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110	Milwaukee	12
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209	Milwaukee	18
WIST5083	First Rate Auto	5424 W. State St	Milwaukee	53208	Milwaukee	12
WIST3022	Fleet 1	749 W STATE ST	Milwaukee	53202	Milwaukee	12

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WIST6044	Fleet Auto Sales & Service	7400 W. National Ave.	West Allis	53214	Milwaukee	12
WIST7138	Gamino's Auto Repair	6156 Douglas AVE	Racine	53402	Racine	12
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	12
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095	Washington	12
WIST7093	Gordon's Wheel Service	3595 N. 124 St.	Brookfield	53005	Waukesha	12
WIST5066	Grady's Automotive Inc.	6272 S. Packard Ave	Cudahy	53110	Milwaukee	12
WIST7135	Grand Motor Sports	W68N954 WASHINGTON AVE	Cedarburg	53012	Ozaukee	15
WIST5092	Great American Tire and Auto Repair	4106 78th street	Kenosha	53142	Kenosha	12
WIST4058	Greitens Auto Service	5804 W. Bluemound Rd	Milwaukee	53213	Milwaukee	6
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189	Waukesha	12
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029	Waukesha	12
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224	Milwaukee	12
WIST3041	HIS Auto LLC	718 Armour Rd	Oconomowoc	53066	Waukesha	12
WIST7088	Hoffman Auto & Tire	4811 Greenbay Rd.	Kenosha	53144	Kenosha	12
WIST4070	Hooked Up Towing and Repair	1420 9th st	Racine	53403	Racine	12
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189	Waukesha	12
WIST8016	It's All Good Auto	10125 W. Loomis Rd.	Franklin	53132	Milwaukee	12
WIST8018	Jeffs Automotive	5261 S. Nicholas Ave	Cudahy	53110	Milwaukee	12
WISTT009	Jerry's Auto Service Inc. (TAC)	W229 N2467 Hwy F	Waukesha	53186	Waukesha	12
WIST8025	Jessie James Garage	4103 7th Ave	Kenosha	53140	Kenosha	0
WIST7141	Jiffy Lube-Kenosha	3321 Market Lane	Kenosha	53144	Kenosha	12
WIST1027	Jiffy Lube-Milwaukee	3604 W. Lincoln AVE	Milwaukee	53215	Milwaukee	9
WIST8023	Jiffy Lube-Muskego	564 W15890 Commerce Center Parkway	Muskego	53150	Waukesha	12
WIST4063	Jim's Auto Service	W4131 Main RD	Plymouth	53073	Sheboygan	15
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Crt.	Slinger	53086	Washington	15
WIST1026	John Amato Chrysler,Dodge,Jeep Ram	5900 N. Greenbay Rd	Glendale	53209	Milwaukee	18
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223	Milwaukee	12
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST7134	Karls Garage LLC	N6745B State Road 32	Sheboygan Falls	53085	Sheboygan	15
WIST4051	Kastenson Auto (formally Tenhagen Auto)	21445 Durand Ave	Union Grove	53182	Racine	12
WIST2033	Kerns on 76th	7960 N 76th Street	Milwaukee	53223	Milwaukee	6
WIST3039	KK Car Service	17125 W. Greenfield ave	New Berlin	53151	Waukesha	12
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214	Milwaukee	12
WIST6060	Kruegers Auto Tech Center	W61 N225 CARDINAL AVE	Cedarburg	53012	Ozaukee	0
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226	Milwaukee	12
WIST8009	Kwiky Lube Plus - Jackson	W213N16770 Glen Brook Dr	Jackson	53037	Washington	15
WIST5086	Kwiky Lube Plus - Main Street	N88 W15220 main Street	Menomonee Falls	53051	Waukesha	15
WIST2021	Kwiky Lube Plus - Port Washington	1610 N Washington St	Port Washington	53074	Ozaukee	30
WIST4048	Kwiky Lube Plus - West Bend	2353 W Washington St	West Bend	53095	Washington	15
WIST4049	LaBelle Auto	N56 W39413 Hwy 16	Oconomowoc	53066	Waukesha	15
WIST4061	Lake Country Auto Care	449 HICKORY STREET	Pewaukee	53072	Waukesha	12
WIST2025	Lakeshore Mobile	2521 E. Capitol	Shorewood	53211	Milwaukee	9
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076	Washington	15
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218	Milwaukee	12

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WIST4053	Liberty Street Auto	1600 Durand Ave	Racine	53404	Racine	12
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST3032	M & D Auto Services	W19 N5733 Becker Dr	Lannon	53046	Waukesha	12
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402	Racine	12
WIST6055	M&J Auto Sales and Service	3069 State HWY 83	Hartford	53027	Washington	15
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183	Waukesha	12
WIST7120	Manyo Motors	4035 N Green Bay Avenue	Milwaukee	53212	Milwaukee	12
WIST4057	Marks Mobil Service LLC	12401 W. Cleveland Ave.	New Berlin	53151	Waukesha	12
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182	Racine	12
WIST3006	Martin's Automotive Services	W230 S8750 Wynn Dr	Big Bend	53103	Waukesha	12
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011	Sheboygan	12
WIST4060	McDevitts Towing and Service	5150 60th Street	Kenosha	53144	Kenosha	12
WIST2031	Meineke - Racine	6006 21ST STREET	Racine	53406	Racine	12
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221	Milwaukee	12
WIST5077	Menomonee Falls Super Lube	W156 N8390 Pilgrim Rd	Menomonee Falls	53051	Waukesha	18
WIST3030	Merlin 200,000 Mile Shop	8601 75th St.	Kenosha	53142	Kenosha	12
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073	Sheboygan	15
WIST6043	Mil-City Motors	7169 W. Fond Du Lac Ave	Milwaukee	53218	Milwaukee	12
WIST5079	Miller Motors	1196 Milwaukee Ave	Burlington	53105	Racine	3
WIST5090	Montez Auto Repair LLC	11321 W. Greenfield AVE	West Allis	53214	Milwaukee	12
WIST4062	Muffler Magic - 76th Street (AAMCO)	9055 N 76th	Milwaukee	53223	Milwaukee	12
WIST7094	Muskego Tire & Auto	573 W16610 Janesville Rd	Muskego	53150	Waukesha	12
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204	Milwaukee	18
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151	Waukesha	12
WIST7031	Nelson's Automotive of Pewaukee	N30 W22383 Green Rd.	Pewaukee	53186	Waukesha	3
WIST6057	Nord Automotive LLC	7002 W. Center st	Milwaukee	53210	Milwaukee	0
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154	Milwaukee	12
WIST6058	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213	Milwaukee	15
WIST5029	Palmen Buick, GMC, Cadillac	7110 74th Place	Kenosha	53142	Kenosha	18
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405	Racine	12
WIST6018	Paul's Bender Center	8313 22nd Ave.	Kenosha	53143	Kenosha	12
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403	Racine	12
WIST5017	Pro Auto Center	303 E. Monroe Ave.	Hartford	53027	Washington	15
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142	Kenosha	12
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212	Milwaukee	12
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402	Racine	12
WIST4071	Reflections Details	6115 N Flint Rd.	Glendale	53209	Milwaukee	0
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076	Washington	15
WIST7042	Richlonns Tire & Service Center	2480 W. Sunset Dr.	Waukesha	53189	Waukesha	9
WIST7041	Richlonns Tire & Service Center - Greendale	5131 S. 76th St.	Greendale	53129	Milwaukee	6
WIST5037	Richlonns Tire & Service Center - Greenfield	4440 S. 108th St.	Greenfield	53228	Milwaukee	9
WIST7040	Richlonns Tire & Service Center - Muskego	578 W18755 Janesville Rd	Muskego	53150	Waukesha	6
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092	Ozaukee	33
WIST3035	Righteous Auto	6142 Douglas Ave	Racine	53402	Racine	12
WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149	Waukesha	6

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WIST2029	Road Runner Express	5275 S.Moorland Rd	New Berlin	53151	Waukesha	12
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225	Milwaukee	12
WIST5003	Russ Darrow Chrysler Jeep Dodge	10901 West Metro Mall	Milwaukee	53224	Milwaukee	12
WIST7009	Russ Darrow Honda - Metro Auto Mall	10851 W. Metro Auto Mall	Milwaukee	53224	Milwaukee	12
WIST7086	Russ Darrow Kia of Waukesha	2141 E. Moreland Blvd	Waukesha	53186	Waukesha	3
WIST4026	Russ Darrow Kia of Wauwatosa	1901 N. Mayfair Rd	Wauwatosa	53226	Milwaukee	15
WIST5023	Russ Darrow Mitsubishi	W226 S1700 Hwy 164	Waukesha	53186	Waukesha	12
WIST5044	Russ Darrow Nissan - Metro BLVD	11212 W Metro Blvd	Milwaukee	53224	Milwaukee	12
WIST2032	Russ Darrow Nissan - West Bend	2665 W Washington Ave	West Bend	53095	Washington	15
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095	Washington	15
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095	Washington	15
WIST7137	Rutters Automotive Service	7550 W. Appleton Ave	Milwaukee	53216	Milwaukee	12
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168	Kenosha	12
WISTT010	Sam's Auto	4315 Byrd Ave	Racine	53405	Racine	12
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086	Washington	15
WIST5084	Sheboygan Auto Helpers	3667 S Taylor Drive	Sheboygan	54081	Sheboygan	9
WIST5081	Sheboygan Chevrolet GMC Buick	3400 South Business Drive	Sheboygan	53081	Sheboygan	30
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211	Milwaukee	18
WIST8001	Silver Lake Auto Center	N76 W30620 HWY VV	Hartland	53029	Waukesha	3
WIST2038	Silver Lake Auto Center - New Berlin	15650 W. National Ave	New Berlin	53151	Waukesha	0
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170	Kenosha	12
WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066	Waukesha	3
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172	Milwaukee	12
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227	Milwaukee	12
WIST6054	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085	Sheboygan	9
WIST2035	Tech Way	4004 S Kinnickinnic Ave	Cudahy	53235	Milwaukee	12
WIST1016	Tenley Auto	9208 West Capitol Drive	Milwaukee	53222	Milwaukee	0
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020	Sheboygan	15
WIST2028	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074	Ozaukee	15
WIST4068	Valet Services	7501 N. Port Washington Rd	Glendale	53217	Milwaukee	15
WIST5074	Valvoline - 68th St.	112 S. 68th St.	Milwaukee	53214	Milwaukee	12
WIST8017	Valvoline - Cudahy	5912 Packard Ave	Cudahy	53110	Milwaukee	12
WIST6059	Valvoline - Cudahy Packard	5506 S. Packard AVE	Cudahy	53110	Milwaukee	12
WIST6039	Valvoline - Delafield	2325 Sun Valley Dr	Delafield	53018	Waukesha	12
WIST7124	Valvoline - Glendale	6100 N Port Washington Rd	Glendale	53212	Milwaukee	12
WIST7143	Valvoline - Grafton	992 Port Washington RD	Grafton	53024	Ozaukee	3
WIST3024	Valvoline - Greenfield	4839 S. 27th Street	Greenfield	53221	Milwaukee	12
WIST6037	Valvoline - Kenosha	3015 52nd St	Kenosha	53144	Kenosha	12
WIST7130	Valvoline - Layton	8008 W Layton Ave	Greenfield	53220	Milwaukee	12
WIST6031	Valvoline - Muskego	N167S7825 Lions Park Dr	Muskego	53150	Waukesha	15
WIST2041	Valvoline - Pewaukee	1812 Silvernail Raod	Pewaukee	53072	Waukesha	12
WIST4054	Valvoline - Plymouth	1950 Eastern Ave	Plymouth	53073	Sheboygan	21
WIST7126	Valvoline - Racine	5920 21st St	Racine	53405	Racine	12
WIST3034	Valvoline - Sussex	N65 W24922 HIGHWAY VV	Sussex	53089	Waukesha	12
WIST2024	Valvoline - Waukesha	1951 E Main St	Waukesha	53186	Waukesha	12

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Station	Company	Address	City	Zip	County	Total Equip Audits
WIST5089	Valvoline - West Bend	2795 E. Washington st	West Bend	53095	Washington	15
WIST1022	VI Auto Repair	1522 Wisconsin AVE	Grafton	53024	Ozaukee	15
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183	Waukesha	12
WIST7070	Weissman Automotive	W140 N10455 Fond du Lac Ave.	Germantown	53022	Washington	18
WIST1030	Welks Automotive Service	8333 W. Layton AVE	Greenfield	53220	Milwaukee	0
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227	Milwaukee	12
WIST7073	Wilmot Auto Service Inc.	11307 Fox River Rd	Wilmot	53192	Kenosha	12
WIST1021	WISCO Automotive	925 Milwaukee Ave	Burlington	53105	Racine	12
WIST7075	Wisconsin Muffler - New Berlin	13320 W. College Ave.	New Berlin	53151	Waukesha	12
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154	Milwaukee	12
WIST2039	Zwekabin Automotive Service	3611 W. State St	Milwaukee	53208	Milwaukee	12

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Station	Company	Address	City	Zip	County	Total Equip Audits
WIST8024	1 Stop Auto and Detailing Service	4720 22nd AVE	Kenosha	53140	Kenosha	9
WIST4069	1 Stop Auto and Detailing Service-57th AVE	5911 57th AVE	Kenosha	53144	Kenosha	3
WIST2040	3 Kings Auto Sales	1329 43RD ST	Kenosha	53142	Kenosha	12
WIST2030	A&J Automotive	8401 W. Hampton Ave	Milwaukee	53225	Milwaukee	12
WIST5088	Abi & Sons Automotive	817 44th st	Kenosha	53140	Kenosha	12
WIST3003	Accelerated Auto Service	667 W. State St.	Burlington	53105	Racine	12
WIST1003	Allenton Service	5908 Hillcrest Dr.	Allenton	53002	Washington	15
WIST7020	American Muffler & Automotive	5933 S. Pine St.	Burlington	53105	Racine	12
WIST6042	Amport Automotive	1324 White Rock Ave.	Waukesha	53186	Waukesha	12
WIST6007	Anderson Automotive	240 Highland Dr.	Fredonia	53021	Ozaukee	15
WISTT003	Auto Analyzers (TAC)	8404 W. Greenfield Ave.	West Allis	53214	Milwaukee	3
WIST8027	Auto Safety Center-West Bend	3700 Washington St.	West Bend	53095	Washington	0
WIST5091	Auto Time Service LLC	3005 N. 15th st	Sheboygan	53083	Sheboygan	12
WIST2019	Automotive Solutions	215 Klein Lane	Saukville	53080	Ozaukee	15
WIST8026	Autoplex MKE LLC	6000 W. Forest Home AVE	Milwaukee	53219	Milwaukee	12
WIST1024	Autoplex of Milwaukee LLC	5130 W. Forest Home Ave	Milwaukee	53219	Milwaukee	0
WIST8011	B Towne Auto Service	457 Falcon Ridge Dr	Burlington	53105	Racine	24
WIST7115	Black Tie Auto Service	584 W21172 Janesville Rd	Muskego	53150	WAUKESHA	12
WIST5008	Bob's Main Street Auto & Tow	115 W. Decorah Rd	West Bend	53095	Washington	15
WIST4045	Bob's Main Street Auto & Tow	1200 N Main St	West Bend	53090	Washington	15
WIST7140	Brookfield Auto Care	12425 W. North AVE	Brookfield	53005	Waukesha	12
WIST7132	Brown Deer Tire & Auto	4730 W Bradley Rd	Brown Deer	53223	Milwaukee	18
WIST5087	Bully Diesel and Automotive Repair	5819 52nd Street	Kenosha	53142	Kenosha	6
WIST1012	Butler Auto Body	4830 N. 125th St.	Butler	53142	Waukesha	15
WIST3015	Carlton Automotive Inc.	1318 Center St., PO Box 700288	Oostburg	53070	Sheboygan	15
WIST1023	Changing Lanes	5700 W. Center	Milwaukee	53209	Milwaukee	0
WIST5049	Chris Auto Service	14000 W. Greenfield Ave.	Brookfield	53005	Waukesha	3
WIST6004	Chuck's Main St. Auto	N64 W23876 Main St.	Sussex	53089	Waukesha	12
WIST5055	Curriepark Auto Center	10745 W. Capitol Dr.	Wauwatosa	53222	Milwaukee	15
WIST3040	D&D Automotive Repair INC	1714 Arthur Court	Waukesha	53188	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	15
WIST1020	Don's Garage	11916 Antioch Rd	Trevor	53179	Kenosha	12
WIST5015	Durand Automotive Center	1623 Durand Ave.	Racine	53403	Racine	12
WIST7142	Dynamic Automotive Solutions LLC	1230 S. West AVE	Waukesha	53186	Waukesha	12
WIST6056	Eagle Automotive Performance LLC	3320 Howard AVE	Greenfield	53221	Milwaukee	0
WIST6033	Eric Von Schledorn	805 E Green Bay Rd	Saukville	53080	Ozaukee	15
WIST3021	Eric Von Schledorn - Random Lake	W4873 County Road RR	Random Lake	53066	Sheboygan	15
WIST2017	Ewald Chevrolet	36833 E. Wisconsin Ave	Oconomowoc	53066	Waukesha	15
WIST5085	Ewald Chrysler Jeep Dodge Ram	6319 S 108th Street	Franklin	53132	Milwaukee	12
WIST4064	Ewald Hartford Ford LLC	2570 E Sumner Street	Hartford	53027	Washington	15
WIST4040	Ewald Venus Ford	2727 E. Layton Ave.	Cudahy	53110	Milwaukee	12
WIST7081	Farkas Automotive Inc.	8008 N. Sherman	Brown Deer	53209	Milwaukee	18
WIST5083	First Rate Auto	5424 W. State St	Milwaukee	53208	Milwaukee	12
WIST3022	Fleet 1	749 W STATE ST	Milwaukee	53202	Milwaukee	12

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WIST6044	Fleet Auto Sales & Service	7400 W. National Ave.	West Allis	53214	Milwaukee	12
WIST7138	Gamino's Auto Repair	6156 Douglas AVE	Racine	53402	Racine	12
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	12
WIST3005	Gordie Boucher Ford Lincoln	3021 W. Washington St.	West Bend	53095	Washington	12
WIST7093	Gordon's Wheel Service	3595 N. 124 St.	Brookfield	53005	Waukesha	12
WIST5066	Grady's Automotive Inc.	6272 S. Packard Ave	Cudahy	53110	Milwaukee	12
WIST7135	Grand Motor Sports	W68N954 WASHINGTON AVE	Cedarburg	53012	Ozaukee	15
WIST5092	Great American Tire and Auto Repair	4106 78th street	Kenosha	53142	Kenosha	12
WIST4058	Greitens Auto Service	5804 W. Bluemound Rd	Milwaukee	53213	Milwaukee	6
WIST6022	Hall Automotive	704 Bluemound Rd.	Waukesha	53189	Waukesha	12
WIST7016	Hartland Services Inc.	400 Industrial Dr	Hartland	53029	Waukesha	12
WIST2015	Heiser Toyota	11301 W. Metro Blvd.	Milwaukee	53224	Milwaukee	12
WIST3041	HIS Auto LLC	718 Armour Rd	Oconomowoc	53066	Waukesha	12
WIST7088	Hoffman Auto & Tire	4811 Greenbay Rd.	Kenosha	53144	Kenosha	12
WIST4070	Hooked Up Towing and Repair	1420 9th st	Racine	53403	Racine	12
WIST7129	Hopson Automotive	W241 S4165 Pine Hollow Ct	Waukesha	53189	Waukesha	12
WIST8016	It's All Good Auto	10125 W. Loomis Rd.	Franklin	53132	Milwaukee	12
WIST8018	Jeffs Automotive	5261 S. Nicholas Ave	Cudahy	53110	Milwaukee	12
WISTT009	Jerry's Auto Service Inc. (TAC)	W229 N2467 Hwy F	Waukesha	53186	Waukesha	12
WIST8025	Jessie James Garage	4103 7th Ave	Kenosha	53140	Kenosha	0
WIST7141	Jiffy Lube-Kenosha	3321 Market Lane	Kenosha	53144	Kenosha	12
WIST1027	Jiffy Lube-Milwaukee	3604 W. Lincoln AVE	Milwaukee	53215	Milwaukee	9
WIST8023	Jiffy Lube-Muskego	564 W15890 Commerce Center Parkway	Muskego	53150	Waukesha	12
WIST4063	Jim's Auto Service	W4131 Main RD	Plymouth	53073	Sheboygan	15
WIST4002	Joe's Slinger Service LLC	220 Info Hwy. Crt.	Slinger	53086	Washington	15
WIST1026	John Amato Chrysler,Dodge,Jeep Ram	5900 N. Greenbay Rd	Glendale	53209	Milwaukee	18
WIST3013	John Amato Hyundai Inc.	8301 N. 76th St.	Milwaukee	53223	Milwaukee	12
WIST7022	John Paul's Buick GMC	3615 S. 108th St.	Greenfield	53228	Milwaukee	12
WIST7134	Karls Garage LLC	N6745B State Road 32	Sheboygan Falls	53085	Sheboygan	15
WIST4051	Kastenson Auto (formally Tenhagen Auto)	21445 Durand Ave	Union Grove	53182	Racine	12
WIST2033	Kerns on 76th	7960 N 76th Street	Milwaukee	53223	Milwaukee	6
WIST3039	KK Car Service	17125 W. Greenfield ave	New Berlin	53151	Waukesha	12
WIST3014	Komp Tech Automotive Service	8832 W. Greenfield Ave.	West Allis	53214	Milwaukee	12
WIST6060	Kruegers Auto Tech Center	W61 N225 CARDINAL AVE	Cedarburg	53012	Ozaukee	0
WIST4003	Kusch's Automotive	136 N. 120th St.	Wauwatosa	53226	Milwaukee	12
WIST8009	Kwiky Lube Plus - Jackson	W213N16770 Glen Brook Dr	Jackson	53037	Washington	15
WIST5086	Kwiky Lube Plus - Main Street	N88 W15220 main Street	Menomonee Falls	53051	Waukesha	15
WIST2021	Kwiky Lube Plus - Port Washington	1610 N Washington St	Port Washington	53074	Ozaukee	30
WIST4048	Kwiky Lube Plus - West Bend	2353 W Washington St	West Bend	53095	Washington	15
WIST4049	LaBelle Auto	N56 W39413 Hwy 16	Oconomowoc	53066	Waukesha	15
WIST4061	Lake Country Auto Care	449 HICKORY STREET	Pewaukee	53072	Waukesha	12
WIST2025	Lakeshore Mobile	2521 E. Capitol	Shorewood	53211	Milwaukee	9
WIST4014	Laubenheimer's Garage LLC	1860 Hwy 175, PO Box 36	Richfield	53076	Washington	15
WIST4032	Laus Tire & Auto	5025 W. Villard Ave.	Milwaukee	53218	Milwaukee	12

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WIST4053	Liberty Street Auto	1600 Durand Ave	Racine	53404	Racine	12
WIST6013	Lutter's Elmbrook Automotive	16880 Greenfield Ave.	Brookfield	53005	Waukesha	12
WIST3032	M & D Auto Services	W19 N5733 Becker Dr	Lannon	53046	Waukesha	12
WIST6001	M & M Citgo	2101 Douglas Ave.	Racine	53402	Racine	12
WIST6055	M&J Auto Sales and Service	3069 State HWY 83	Hartford	53027	Washington	15
WIST6021	Maddison Automotive	210 N. Wales Rd.	Wales	53183	Waukesha	12
WIST7120	Manyo Motors	4035 N Green Bay Avenue	Milwaukee	53212	Milwaukee	12
WIST4057	Marks Mobil Service LLC	12401 W. Cleveland Ave.	New Berlin	53151	Waukesha	12
WIST6026	Martin Ford	19215 Spring St	Union Grove	53182	Racine	12
WIST3006	Martin's Automotive Services	W230 S8750 Wynn Dr	Big Bend	53103	Waukesha	12
WIST5053	Mayer Automotive LLC.	W6082 Hwy W	Cascade	53011	Sheboygan	12
WIST4060	McDevitts Towing and Service	5150 60th Street	Kenosha	53144	Kenosha	12
WIST2031	Meineke - Racine	6006 21ST STREET	Racine	53406	Racine	12
WIST4042	Meineke Car Care Center	4320 S 27TH ST	Milwaukee	53221	Milwaukee	12
WIST5077	Menomonee Falls Super Lube	W156 N8390 Pilgrim Rd	Menomonee Falls	53051	Waukesha	18
WIST3030	Merlin 200,000 Mile Shop	8601 75th St.	Kenosha	53142	Kenosha	12
WIST7103	Meyer Motors Inc.	107 Plaza Lane	Plymouth	53073	Sheboygan	15
WIST6043	Mil-City Motors	7169 W. Fond Du Lac Ave	Milwaukee	53218	Milwaukee	12
WIST5079	Miller Motors	1196 Milwaukee Ave	Burlington	53105	Racine	3
WIST5090	Montez Auto Repair LLC	11321 W. Greenfield AVE	West Allis	53214	Milwaukee	12
WIST4062	Muffler Magic - 76th Street (AAMCO)	9055 N 76th	Milwaukee	53223	Milwaukee	12
WIST7094	Muskego Tire & Auto	573 W16610 Janesville Rd	Muskego	53150	Waukesha	12
WIST8004	National Auto Tech	630 W. National Ave	Milwaukee	53204	Milwaukee	18
WIST7095	National Complete Auto Care	16405 W. National Ave.	New Berlin	53151	Waukesha	12
WIST7031	Nelson's Automotive of Pewaukee	N30 W22383 Green Rd.	Pewaukee	53186	Waukesha	3
WIST6057	Nord Automotive LLC	7002 W. Center st	Milwaukee	53210	Milwaukee	0
WIST7014	Oak Creek Automotive Inc.	7948 S. 27th St.	Oak Creek	53154	Milwaukee	12
WIST6058	O'Gorman's West Town Auto	7105 W. North Ave.	Wauwatosa	53213	Milwaukee	15
WIST5029	Palmen Buick, GMC, Cadillac	7110 74th Place	Kenosha	53142	Kenosha	18
WIST7004	Passehl's BP	4625 Taylor Ave.	Racine	53405	Racine	12
WIST6018	Paul's Bender Center	8313 22nd Ave.	Kenosha	53143	Kenosha	12
WIST7033	Pinkalla Auto Solutions	3059 Durand Ave.	Racine	53403	Racine	12
WIST5017	Pro Auto Center	303 E. Monroe Ave.	Hartford	53027	Washington	15
WIST4031	R & R Automotive	6930 39th Ave.	Kenosha	53142	Kenosha	12
WIST8008	R.K. Motors	3700 N Holton St	Milwaukee	53212	Milwaukee	12
WIST7036	Racine Auto Specialist	2320 Douglas Ave.	Racine	53402	Racine	12
WIST4071	Reflections Details	6115 N Flint Rd.	Glendale	53209	Milwaukee	0
WIST7039	Richfield Service	1810 Wolf Rd	Richfield	53076	Washington	15
WIST7042	Richlonns Tire & Service Center	2480 W. Sunset Dr.	Waukesha	53189	Waukesha	9
WIST7041	Richlonns Tire & Service Center - Greendale	5131 S. 76th St.	Greendale	53129	Milwaukee	6
WIST5037	Richlonns Tire & Service Center - Greenfield	4440 S. 108th St.	Greenfield	53228	Milwaukee	9
WIST7040	Richlonns Tire & Service Center - Muskego	578 W18755 Janesville Rd	Muskego	53150	Waukesha	6
WIST4050	Rick's Car Care	6121 W Mequon Rd	Mequon	53092	Ozaukee	33
WIST3035	Righteous Auto	6142 Douglas Ave	Racine	53402	Racine	12
WIST7045	Rivers Edge Oil & Tire	811 S. Rochester St.	Mukwonago	53149	Waukesha	6

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WIST2029	Road Runner Express	5275 S.Moorland Rd	New Berlin	53151	Waukesha	12
WIST5058	Ruby Isle Auto	11137 W. Silver Spring Dr.	Milwaukee	53225	Milwaukee	12
WIST5003	Russ Darrow Chrysler Jeep Dodge	10901 West Metro Mall	Milwaukee	53224	Milwaukee	12
WIST7009	Russ Darrow Honda - Metro Auto Mall	10851 W. Metro Auto Mall	Milwaukee	53224	Milwaukee	12
WIST7086	Russ Darrow Kia of Waukesha	2141 E. Moreland Blvd	Waukesha	53186	Waukesha	3
WIST4026	Russ Darrow Kia of Wauwatosa	1901 N. Mayfair Rd	Wauwatosa	53226	Milwaukee	15
WIST5023	Russ Darrow Mitsubishi	W226 S1700 Hwy 164	Waukesha	53186	Waukesha	12
WIST5044	Russ Darrow Nissan - Metro BLVD	11212 W Metro Blvd	Milwaukee	53224	Milwaukee	12
WIST2032	Russ Darrow Nissan - West Bend	2665 W Washington Ave	West Bend	53095	Washington	15
WIST7049	Russ Darrow Toyota	2700 W. Washington St.	West Bend	53095	Washington	15
WIST7006	Russ Darrow West Bend	3210 W. Washington St.	West Bend	53095	Washington	15
WIST7137	Rutters Automotive Service	7550 W. Appleton Ave	Milwaukee	53216	Milwaukee	12
WIST7011	Salem Auto Service	8515 Antioch Rd	Salem	53168	Kenosha	12
WISTT010	Sam's Auto	4315 Byrd Ave	Racine	53405	Racine	12
WISTT005	Schaefer Service Center (TAC)	1130 E. Commerce Blvd	Slinger	53086	Washington	15
WIST5084	Sheboygan Auto Helpers	3667 S Taylor Drive	Sheboygan	54081	Sheboygan	9
WIST5081	Sheboygan Chevrolet GMC Buick	3400 South Business Drive	Sheboygan	53081	Sheboygan	30
WIST7098	Shorewood Auto Repair	1330 E. Capitol Dr.	Shorewood	53211	Milwaukee	18
WIST8001	Silver Lake Auto Center	N76 W30620 HWY VV	Hartland	53029	Waukesha	3
WIST2038	Silver Lake Auto Center - New Berlin	15650 W. National Ave	New Berlin	53151	Waukesha	0
WIST7053	Silver Lake Auto Service Inc.	551 N. Cogswell Dr.	Silver Lake	53170	Kenosha	12
WIST7052	Silver Lake Auto Service Inc.	36355 E. Wisconsin Ave.	Oconomowoc	53066	Waukesha	3
WIST7055	South Milwaukee Car Care Center	1221 N. Chicago Ave.	South Milwaukee	53172	Milwaukee	12
WIST7056	Southtown Tire & Auto	2906 S. 108th St.	West Allis	53227	Milwaukee	12
WIST6054	Sunset Auto Service	1194 FOND DU LAC AVE	Sheboygan Falls	53085	Sheboygan	9
WIST2035	Tech Way	4004 S Kinnickinnic Ave	Cudahy	53235	Milwaukee	12
WIST1016	Tenley Auto	9208 West Capitol Drive	Milwaukee	53222	Milwaukee	0
WIST7061	Theel Auto Inc.	N8364 County Rd J	Elkhart Lake	53020	Sheboygan	15
WIST2028	Tires Unlimited Automotive Service	1557 N. Wisconsin St.	Port Washington	53074	Ozaukee	15
WIST4068	Valet Services	7501 N. Port Washington Rd	Glendale	53217	Milwaukee	15
WIST5074	Valvoline - 68th St.	112 S. 68th St.	Milwaukee	53214	Milwaukee	12
WIST8017	Valvoline - Cudahy	5912 Packard Ave	Cudahy	53110	Milwaukee	12
WIST6059	Valvoline - Cudahy Packard	5506 S. Packard AVE	Cudahy	53110	Milwaukee	12
WIST6039	Valvoline - Delafield	2325 Sun Valley Dr	Delafield	53018	Waukesha	12
WIST7124	Valvoline - Glendale	6100 N Port Washington Rd	Glendale	53212	Milwaukee	12
WIST7143	Valvoline - Grafton	992 Port Washington RD	Grafton	53024	Ozaukee	3
WIST3024	Valvoline - Greenfield	4839 S. 27th Street	Greenfield	53221	Milwaukee	12
WIST6037	Valvoline - Kenosha	3015 52nd St	Kenosha	53144	Kenosha	12
WIST7130	Valvoline - Layton	8008 W Layton Ave	Greenfield	53220	Milwaukee	12
WIST6031	Valvoline - Muskego	N167S7825 Lions Park Dr	Muskego	53150	Waukesha	15
WIST2041	Valvoline - Pewaukee	1812 Silvernail Raod	Pewaukee	53072	Waukesha	12
WIST4054	Valvoline - Plymouth	1950 Eastern Ave	Plymouth	53073	Sheboygan	21
WIST7126	Valvoline - Racine	5920 21st St	Racine	53405	Racine	12
WIST3034	Valvoline - Sussex	N65 W24922 HIGHWAY VV	Sussex	53089	Waukesha	12
WIST2024	Valvoline - Waukesha	1951 E Main St	Waukesha	53186	Waukesha	12

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WIST5089	Valvoline - West Bend	2795 E. Washington st	West Bend	53095	Washington	15
WIST1022	VI Auto Repair	1522 Wisconsin AVE	Grafton	53024	Ozaukee	15
WIST7068	Wales Super Lube #421	120 W. Summit Ave	Wales	53183	Waukesha	12
WIST7070	Weissman Automotive	W140 N10455 Fond du Lac Ave.	Germantown	53022	Washington	18
WIST1030	Welks Automotive Service	8333 W. Layton AVE	Greenfield	53220	Milwaukee	0
WIST7106	Wilde Toyota	3225 S. 108 St.	West Allis	53227	Milwaukee	12
WIST7073	Wilmot Auto Service Inc.	11307 Fox River Rd	Wilmot	53192	Kenosha	12
WIST1021	WISCO Automotive	925 Milwaukee Ave	Burlington	53105	Racine	12
WIST7075	Wisconsin Muffler - New Berlin	13320 W. College Ave.	New Berlin	53151	Waukesha	12
WIST7076	WJ Kuhn Automotive Center Inc.	8511 S. Howell Ave.	Oak Creek	53154	Milwaukee	12
WIST2039	Zwekabin Automotive Service	3611 W. State St	Milwaukee	53208	Milwaukee	12