

# **MANITOBA INFRASTRUCTURE**

## **2017 CVSA INSPECTIONS**

**January 01, 2017 - December 31, 2017**

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# 2017 CVSA INSPECTIONS

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### Legend:

Inspection Categories:	Pass	
	Fail	
	Out of Service	
	All - Includes all the above categories	
Defect Results:	Fail Conditional:	A defect that must be repaired before the unit leaves the terminal for its next trip.
	Out of Service:	A defect that must be repaired before the unit is operated on a highway.
	Both:	Includes both defect results

Carrier Jurisdiction is determined by the jurisdiction the vehicle is registered in.

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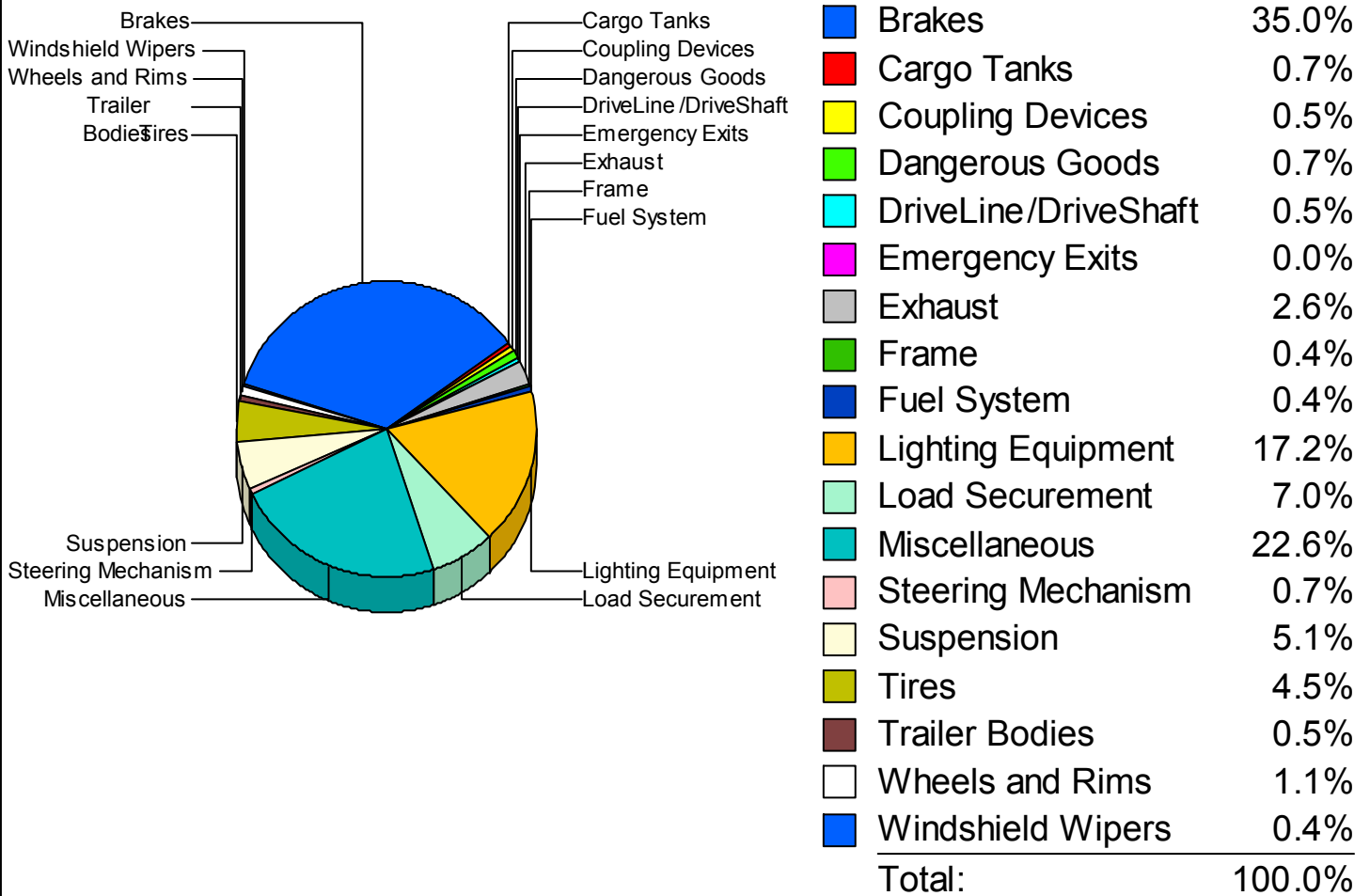
# 2017 CVSA INSPECTIONS

## Results by Base Jurisdiction

Truck Jurisdiction	Inspection Result			Total	Percentage (%)
	Pass	Fail	OOS		
ALBERTA	148	95	71	314	4.36%
ARIZONA	2	0	0	2	0.03%
BRITISH COLUMBIA	75	52	36	163	2.26%
COLORADO	0	1	0	1	0.01%
CONNECTICUT	1	0	0	1	0.01%
GEORGIA	1	0	0	1	0.01%
IDAHO	1	0	0	1	0.01%
ILLINOIS	15	10	6	31	0.43%
INDIANA	6	9	2	17	0.24%
IOWA	0	1	0	1	0.01%
KANSAS	1	0	1	2	0.03%
LOUISIANA	1	2	0	3	0.04%
MANITOBA	2,532	1,625	1,385	5,542	76.87%
MASSACHUSETTS	0	0	1	1	0.01%
MICHIGAN	1	1	0	2	0.03%
MINNESOTA	27	25	11	63	0.87%
MISSISSIPPI	0	1	1	2	0.03%
MISSOURI	2	1	0	3	0.04%
NEBRASKA	1	0	0	1	0.01%
NEVADA	1	1	0	2	0.03%
NEW BRUNSWICK	36	15	8	59	0.82%
NEW YORK	0	1	0	1	0.01%
NORTH CAROLINA	0	1	0	1	0.01%
NORTH DAKOTA	35	33	18	86	1.19%
NOVA SCOTIA	7	2	0	9	0.12%
OHIO	0	2	0	2	0.03%
OKLAHOMA	4	0	1	5	0.07%
ONTARIO	231	164	76	471	6.53%
OREGON	0	1	0	1	0.01%
PENNSYLVANIA	1	0	0	1	0.01%
QUEBEC	32	23	15	70	0.97%
SASKATCHEWAN	141	134	62	337	4.67%
SOUTH CAROLINA	1	0	0	1	0.01%
SOUTH DAKOTA	0	1	0	1	0.01%
TENNESSEE	2	1	0	3	0.04%
TEXAS	0	1	0	1	0.01%
WASHINGTON	1	0	0	1	0.01%
WISCONSIN	3	4	0	7	0.10%
<b>TOTALS</b>	<b>3,309</b>	<b>2,207</b>	<b>1,694</b>	<b>7,210</b>	<b>100%</b>
Percentage(%)	45.89%	30.61%	23.50%	100%	

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	3,566
Cargo Tanks	73
Coupling Devices	52
Dangerous Goods	71
DriveLine/DriveShaft	49
Emergency Exits	1
Exhaust	269
Frame	41
Fuel System	44
Lighting Equipment	1,753
Load Securement	719
Miscellaneous	2,308
Steering Mechanism	73
Suspension	522
Tires	457
Trailer Bodies	48
Wheels and Rims	114
Windshield Wipers	40

Defect Category: Both  
Total Defects: 10,200  
Total Reports: 7,210  
Defects / Reports: 1.41

# Number of Defects - CVSA Inspections '17

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	4
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	8
3	FASTENERS, STOPS, MOUNTING	10
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	4
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	26
6	LEAK, LOCATION	269
7	CROSS MEMBER-BROKEN, SAGGING	41
8	FUEL SYSTEM LEAK, CAP MISSING	40
9	UNSECURED TANK	4
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	1,665
11	PROJECTING LOAD LAMPS, CLEARANCE	88
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	588
13	DUNNAGE, ANCHOR POINTS, FITTINGS	131
14	CHAMBERS, RESERVOIR, COMPRESSOR	253
15	HOSE, LINES, COUPLING, VALVES	450
16	LINING, DRUMS, DISCS	93
17	T.P. VALVE, L.A. WARNING DEVICE	49
18	AUDIBLE AIR LEAK, PUSH ROD	1,215
19	SLACK ADJUSTER, CAM SHAFT	99
20	PARK BRAKE, SPRING BRAKE	164
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1,134
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	109
23	STEERING WHEEL, COLUMN, GEAR BOX	16
24	FRONT AXLE BEAM, PITMAN ARM	29
25	POWER STEERING, BALL / SOCKET JOINTS	16
26	TIE-RODS, DRAG LINKS, NUTS	10
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	348
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	60
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	114
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	13
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	25
33	SIDE PANELS - BAY AREA DAMAGE	10
34	BENT, BROKEN, CRACKED, LOOSE	74
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	37
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	40
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	457
39	DANGEROUS GOODS	71
40	CARGO TANK	73
41	EMERGENCY EXITS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	14
53	UNIVERSAL JOINT	23
54	CENTER BEARING - (CARRIER BEARING)	9
55	DRIVESHAFT TUBE	3
99	MISCELLANEOUS	2,308

**Total Defects: 10,200**

**Total Reports: 7,210**

**Defects / Reports: 1.41**

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# Number of Defects - CVSA Inspections '17

Manitoba  
Infrastructure



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
99	MISCELLANEOUS	524

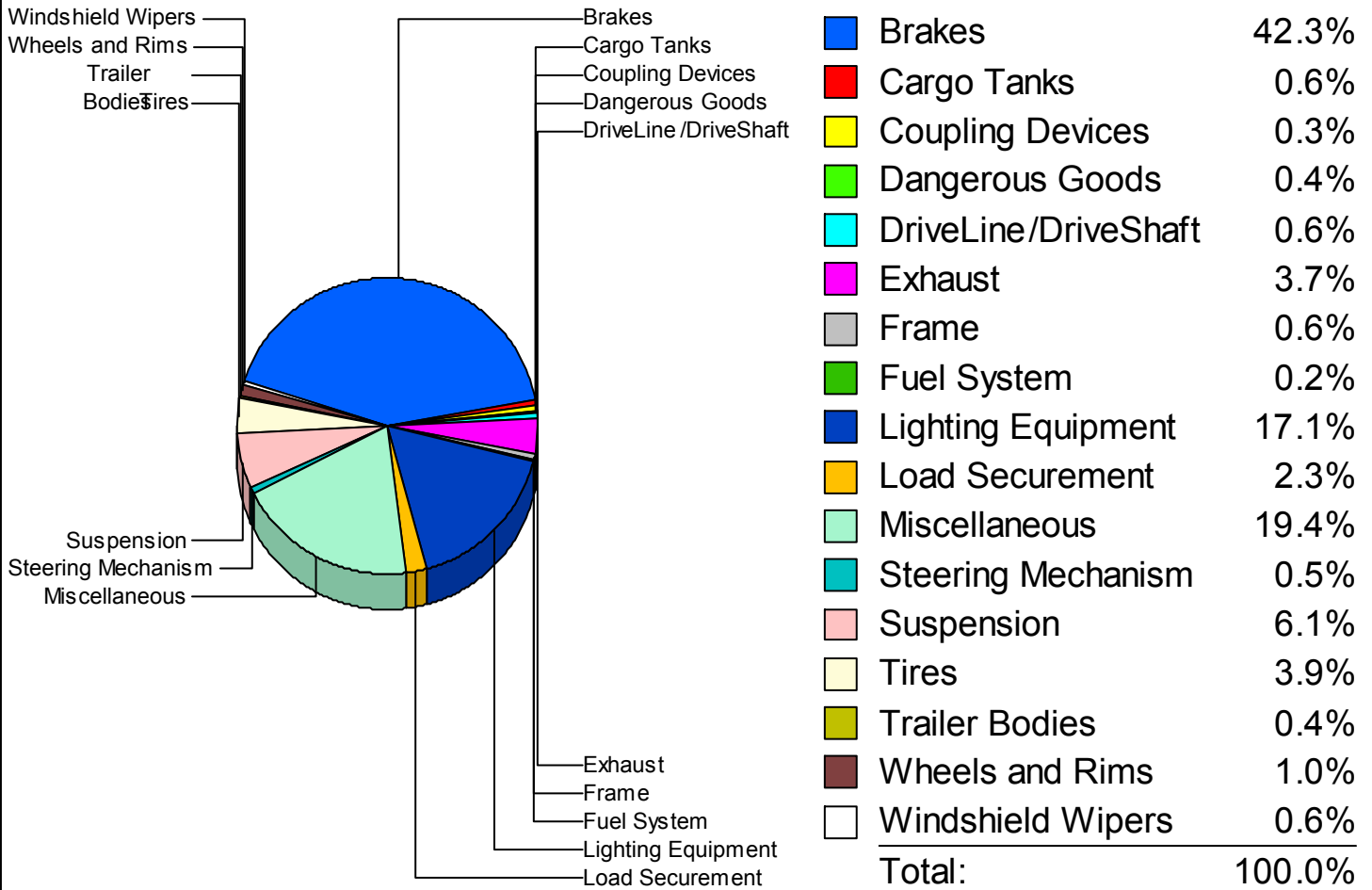
**Total Defects: 524**

**Total Reports: 3,309**

**Defects / Reports: 0.16**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	1,831
Cargo Tanks	24
Coupling Devices	15
Dangerous Goods	19
DriveLine/DriveShaft	25
Exhaust	162
Frame	27
Fuel System	9
Lighting Equipment	738
Load Securement	98
Miscellaneous	839
Steering Mechanism	22
Suspension	262
Tires	169
Trailer Bodies	18
Wheels and Rims	43
Windshield Wipers	24

Defect Category: Fail Conditional

Total Defects: 4,325

Total Reports: 2,207

Defects / Reports: 1.96

# Number of Defects - CVSA Inspections '17

Manitoba  
Infrastructure



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	2
3	FASTENERS, STOPS, MOUNTING	7
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	5
6	LEAK, LOCATION	162
7	CROSS MEMBER-BROKEN, SAGGING	27
8	FUEL SYSTEM LEAK, CAP MISSING	9
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	688
11	PROJECTING LOAD LAMPS, CLEARANCE	50
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	73
13	DUNNAGE, ANCHOR POINTS, FITTINGS	25
14	CHAMBERS, RESERVOIR, COMPRESSOR	108
15	HOSE, LINES, COUPLING, VALVES	188
16	LINING, DRUMS, DISCS	39
17	T.P. VALVE, L.A. WARNING DEVICE	6
18	AUDIBLE AIR LEAK, PUSH ROD	662
19	SLACK ADJUSTER, CAM SHAFT	33
20	PARK BRAKE, SPRING BRAKE	3
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	783
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	9
23	STEERING WHEEL, COLUMN, GEAR BOX	5
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	10
26	TIE-RODS, DRAG LINKS, NUTS	4
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	186
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	27
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	49
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	5
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	11
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	33
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	10
37	INOPERATIVE, MISSING, DAMAGED	24
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	169
39	DANGEROUS GOODS	19
40	CARGO TANK	24
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	10
53	UNIVERSAL JOINT	9
54	CENTER BEARING - (CARRIER BEARING)	4
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	839

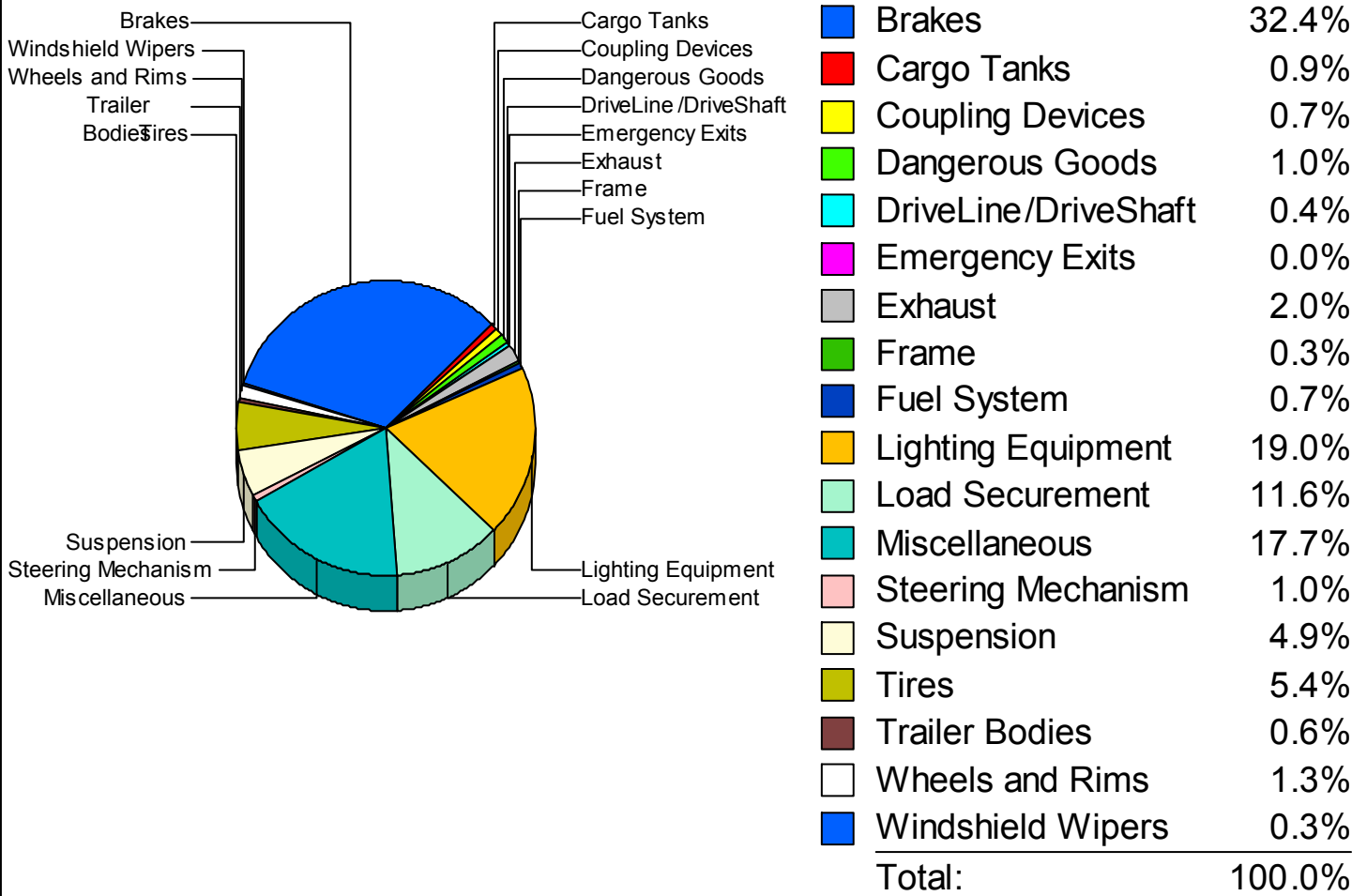
**Total Defects: 4,325**

**Total Reports: 2,207**

**Defects / Reports: 1.96**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	1,735
Cargo Tanks	49
Coupling Devices	37
Dangerous Goods	52
DriveLine/DriveShaft	24
Emergency Exits	1
Exhaust	107
Frame	14
Fuel System	35
Lighting Equipment	1,015
Load Securement	621
Miscellaneous	945
Steering Mechanism	51
Suspension	260
Tires	288
Trailer Bodies	30
Wheels and Rims	71
Windshield Wipers	16

Defect Category: Both

Total Defects: 5,351

Total Reports: 1,694

Defects / Reports: 3.16

# Number of Defects - CVSA Inspections '17

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	2
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	8
3	FASTENERS, STOPS, MOUNTING	3
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	21
6	LEAK, LOCATION	107
7	CROSS MEMBER-BROKEN, SAGGING	14
8	FUEL SYSTEM LEAK, CAP MISSING	31
9	UNSECURED TANK	4
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	977
11	PROJECTING LOAD LAMPS, CLEARANCE	38
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	515
13	DUNNAGE, ANCHOR POINTS, FITTINGS	106
14	CHAMBERS, RESERVOIR, COMPRESSOR	145
15	HOSE, LINES, COUPLING, VALVES	262
16	LINING, DRUMS, DISCS	54
17	T.P. VALVE, L.A. WARNING DEVICE	43
18	AUDIBLE AIR LEAK, PUSH ROD	553
19	SLACK ADJUSTER, CAM SHAFT	66
20	PARK BRAKE, SPRING BRAKE	161
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	351
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	100
23	STEERING WHEEL, COLUMN, GEAR BOX	11
24	FRONT AXLE BEAM, PITMAN ARM	28
25	POWER STEERING, BALL / SOCKET JOINTS	6
26	TIE-RODS, DRAG LINKS, NUTS	6
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	162
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	33
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	65
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	8
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	14
33	SIDE PANELS - BAY AREA DAMAGE	8
34	BENT, BROKEN, CRACKED, LOOSE	41
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	27
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	16
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	288
39	DANGEROUS GOODS	52
40	CARGO TANK	49
41	EMERGENCY EXITS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	4
53	UNIVERSAL JOINT	14
54	CENTER BEARING - (CARRIER BEARING)	5
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	945

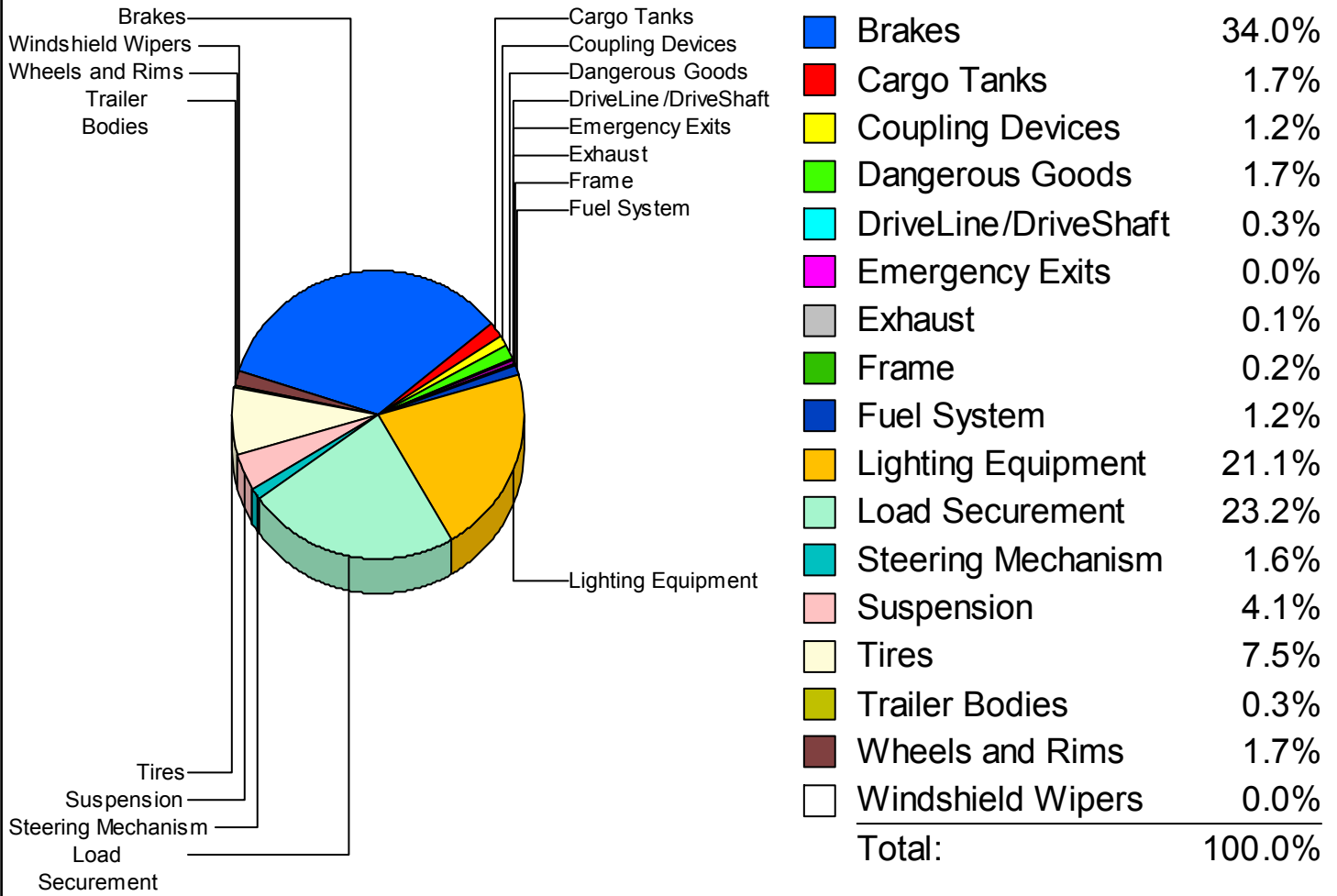
**Total Defects: 5,351**

**Total Reports: 1,694**

**Defects / Reports: 3.16**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	813
Cargo Tanks	41
Coupling Devices	28
Dangerous Goods	41
DriveLine/DriveShaft	8
Emergency Exits	1
Exhaust	3
Frame	5
Fuel System	29
Lighting Equipment	504
Load Securement	555
Steering Mechanism	38
Suspension	97
Tires	179
Trailer Bodies	6
Wheels and Rims	40
Windshield Wipers	1

Defect Category: Out of Service

Total Defects: 2,389

Total Reports: 1,694

Defects / Reports: 1.41

# Number of Defects - CVSA Inspections '17

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	6
3	FASTENERS, STOPS, MOUNTING	2
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	17
6	LEAK, LOCATION	3
7	CROSS MEMBER-BROKEN, SAGGING	5
8	FUEL SYSTEM LEAK, CAP MISSING	27
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	489
11	PROJECTING LOAD LAMPS, CLEARANCE	15
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	470
13	DUNNAGE, ANCHOR POINTS, FITTINGS	85
14	CHAMBERS, RESERVOIR, COMPRESSOR	84
15	HOSE, LINES, COUPLING, VALVES	141
16	LINING, DRUMS, DISCS	22
17	T.P. VALVE, L.A. WARNING DEVICE	35
18	AUDIBLE AIR LEAK, PUSH ROD	227
19	SLACK ADJUSTER, CAM SHAFT	36
20	PARK BRAKE, SPRING BRAKE	159
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	21
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	88
23	STEERING WHEEL, COLUMN, GEAR BOX	6
24	FRONT AXLE BEAM, PITMAN ARM	27
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	55
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	17
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	25
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	3
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	27
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	10
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	179
39	DANGEROUS GOODS	41
40	CARGO TANK	41
41	EMERGENCY EXITS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	7

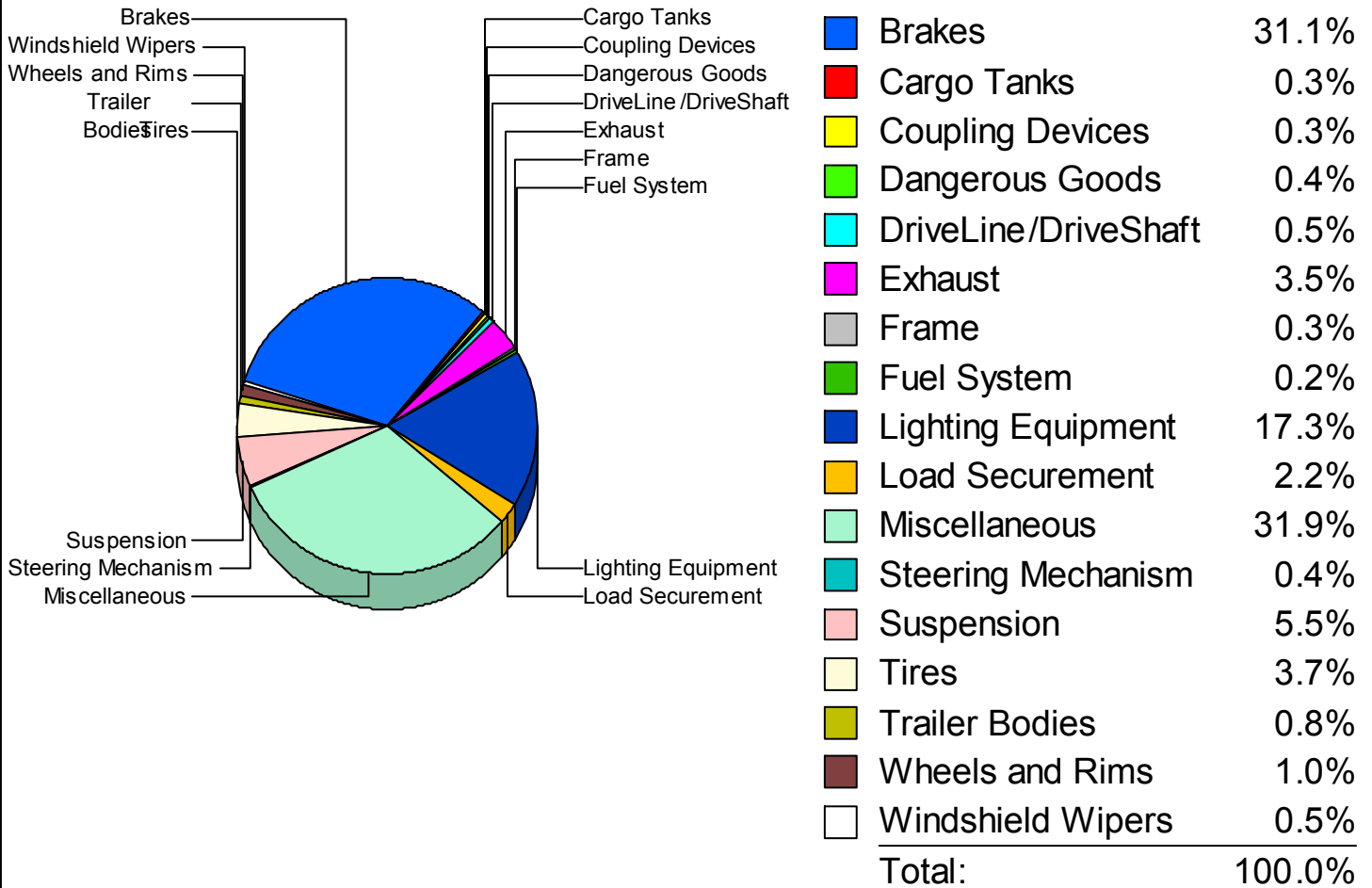
**Total Defects: 2,389**

**Total Reports: 1,694**

**Defects / Reports: 1.41**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	922
Cargo Tanks	8
Coupling Devices	9
Dangerous Goods	11
DriveLine/DriveShaft	16
Exhaust	104
Frame	9
Fuel System	6
Lighting Equipment	511
Load Securement	66
Miscellaneous	945
Steering Mechanism	13
Suspension	163
Tires	109
Trailer Bodies	24
Wheels and Rims	31
Windshield Wipers	15

Defect Category: Fail Conditional

Total Defects: 2,962

Total Reports: 1,694

Defects / Reports: 1.75



# Number of Defects - CVSA Inspections '17

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	2
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	2
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	4
6	LEAK, LOCATION	104
7	CROSS MEMBER-BROKEN, SAGGING	9
8	FUEL SYSTEM LEAK, CAP MISSING	4
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	488
11	PROJECTING LOAD LAMPS, CLEARANCE	23
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	45
13	DUNNAGE, ANCHOR POINTS, FITTINGS	21
14	CHAMBERS, RESERVOIR, COMPRESSOR	61
15	HOSE, LINES, COUPLING, VALVES	121
16	LINING, DRUMS, DISCS	32
17	T.P. VALVE, L.A. WARNING DEVICE	8
18	AUDIBLE AIR LEAK, PUSH ROD	326
19	SLACK ADJUSTER, CAM SHAFT	30
20	PARK BRAKE, SPRING BRAKE	2
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	330
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	12
23	STEERING WHEEL, COLUMN, GEAR BOX	5
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	5
26	TIE-RODS, DRAG LINKS, NUTS	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	107
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	16
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	40
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	7
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	11
33	SIDE PANELS - BAY AREA DAMAGE	6
34	BENT, BROKEN, CRACKED, LOOSE	14
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	17
37	INOPERATIVE, MISSING, DAMAGED	15
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	109
39	DANGEROUS GOODS	11
40	CARGO TANK	8
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
53	UNIVERSAL JOINT	7
54	CENTER BEARING - (CARRIER BEARING)	5
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	945

**Total Defects: 2,962**

**Total Reports: 1,694**

**Defects / Reports: 1.75**

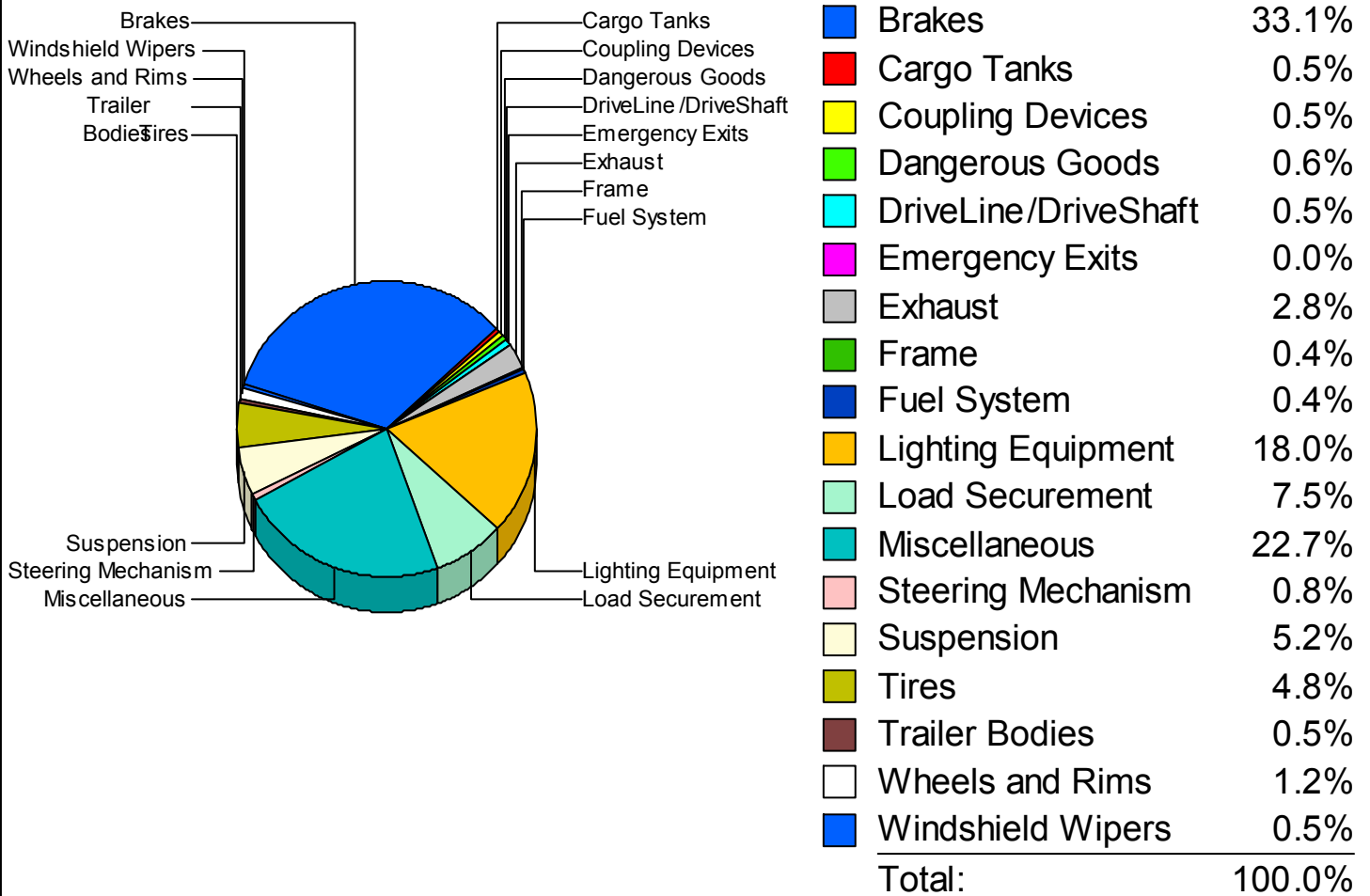
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**2017 CVSA INSPECTIONS**  
 Inspection Results For Manitoba Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	2,532	1,625	1,385	5,542
Percentage of Reports	45.69%	29.32%	24.99%	100%
Defects	438	3,295	4,515	8,248
Defects per Report	0.17	2.03	3.26	1.49

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	2,727
Cargo Tanks	43
Coupling Devices	45
Dangerous Goods	48
DriveLine/DriveShaft	40
Emergency Exits	1
Exhaust	229
Frame	32
Fuel System	32
Lighting Equipment	1,485
Load Securement	622
Miscellaneous	1,876
Steering Mechanism	66
Suspension	427
Tires	394
Trailer Bodies	44
Wheels and Rims	98
Windshield Wipers	39

Defect Category: Both  
Total Defects: 8,248  
Total Reports: 5,542  
Defects / Reports: 1.49

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	2
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	7
3	FASTENERS, STOPS, MOUNTING	9
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	4
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	23
6	LEAK, LOCATION	229
7	CROSS MEMBER-BROKEN, SAGGING	32
8	FUEL SYSTEM LEAK, CAP MISSING	28
9	UNSECURED TANK	4
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	1,403
11	PROJECTING LOAD LAMPS, CLEARANCE	82
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	515
13	DUNNAGE, ANCHOR POINTS, FITTINGS	107
14	CHAMBERS, RESERVOIR, COMPRESSOR	212
15	HOSE, LINES, COUPLING, VALVES	330
16	LINING, DRUMS, DISCS	73
17	T.P. VALVE, L.A. WARNING DEVICE	42
18	AUDIBLE AIR LEAK, PUSH ROD	941
19	SLACK ADJUSTER, CAM SHAFT	87
20	PARK BRAKE, SPRING BRAKE	158
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	783
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	101
23	STEERING WHEEL, COLUMN, GEAR BOX	14
24	FRONT AXLE BEAM, PITMAN ARM	27
25	POWER STEERING, BALL / SOCKET JOINTS	14
26	TIE-RODS, DRAG LINKS, NUTS	9
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	292
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	56
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	79
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	12
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	25
33	SIDE PANELS - BAY AREA DAMAGE	7
34	BENT, BROKEN, CRACKED, LOOSE	59
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	36
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	39
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	394
39	DANGEROUS GOODS	48
40	CARGO TANK	43
41	EMERGENCY EXITS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	12
53	UNIVERSAL JOINT	19
54	CENTER BEARING - (CARRIER BEARING)	7
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	1,876

**Total Defects: 8,248**

**Total Reports: 5,542**

**Defects / Reports: 1.49**

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# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
99	MISCELLANEOUS	438

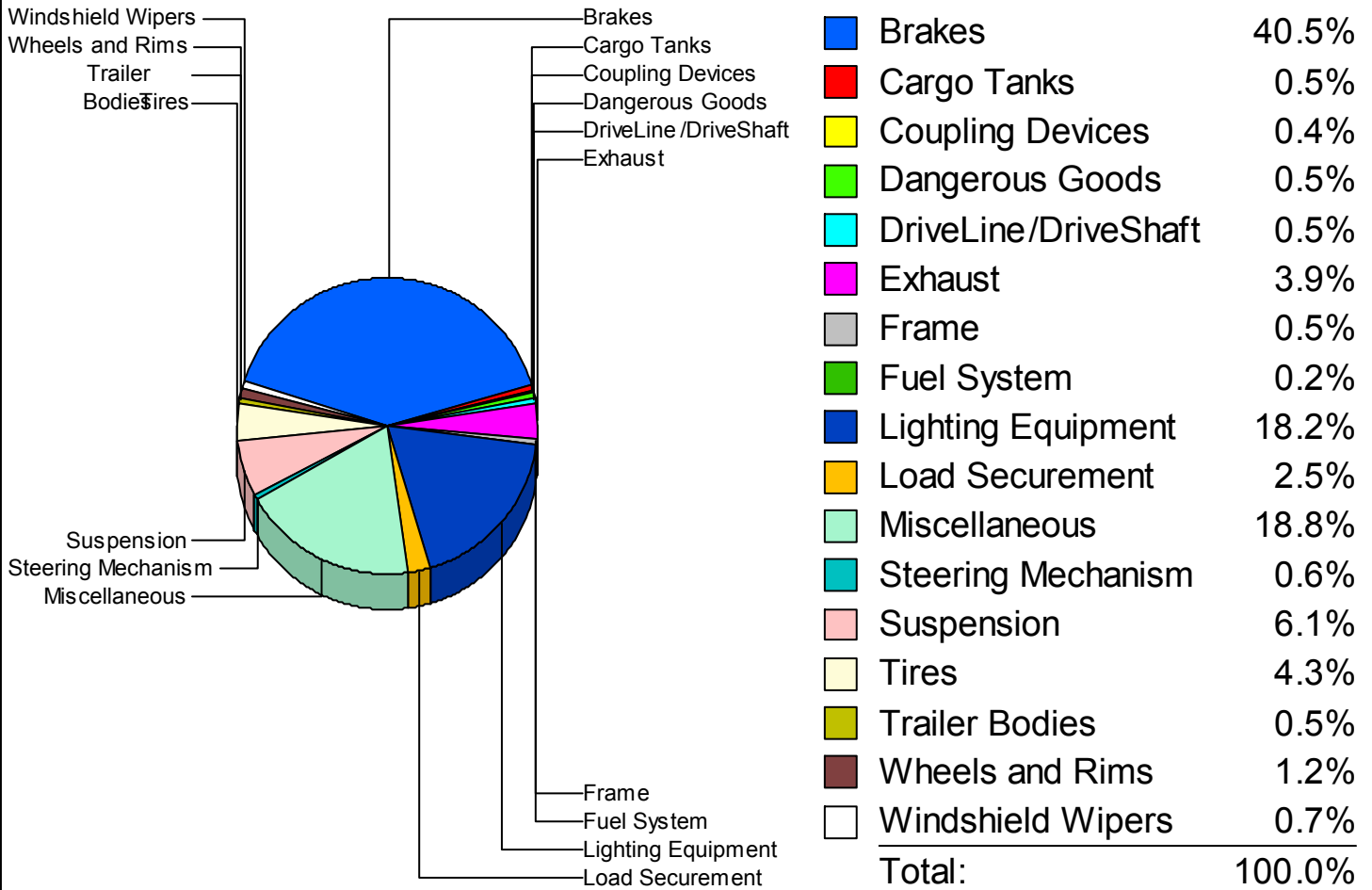
**Total Defects: 438**

**Total Reports: 2,532**

**Defects / Reports: 0.17**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	1,335
Cargo Tanks	16
Coupling Devices	12
Dangerous Goods	17
DriveLine/DriveShaft	18
Exhaust	129
Frame	18
Fuel System	6
Lighting Equipment	600
Load Securement	81
Miscellaneous	621
Steering Mechanism	20
Suspension	200
Tires	141
Trailer Bodies	17
Wheels and Rims	41
Windshield Wipers	23

Defect Category: Fail Conditional

Total Defects: 3,295

Total Reports: 1,625

Defects / Reports: 2.03



# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
3	FASTENERS, STOPS, MOUNTING	6
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	4
6	LEAK, LOCATION	129
7	CROSS MEMBER-BROKEN, SAGGING	18
8	FUEL SYSTEM LEAK, CAP MISSING	6
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	555
11	PROJECTING LOAD LAMPS, CLEARANCE	45
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	63
13	DUNNAGE, ANCHOR POINTS, FITTINGS	18
14	CHAMBERS, RESERVOIR, COMPRESSOR	88
15	HOSE, LINES, COUPLING, VALVES	147
16	LINING, DRUMS, DISCS	34
17	T.P. VALVE, L.A. WARNING DEVICE	6
18	AUDIBLE AIR LEAK, PUSH ROD	498
19	SLACK ADJUSTER, CAM SHAFT	29
20	PARK BRAKE, SPRING BRAKE	3
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	524
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	6
23	STEERING WHEEL, COLUMN, GEAR BOX	5
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	9
26	TIE-RODS, DRAG LINKS, NUTS	3
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	152
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	23
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	25
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	4
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	11
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	31
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	10
37	INOPERATIVE, MISSING, DAMAGED	23
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	141
39	DANGEROUS GOODS	17
40	CARGO TANK	16
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	8
53	UNIVERSAL JOINT	7
54	CENTER BEARING - (CARRIER BEARING)	2
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	621

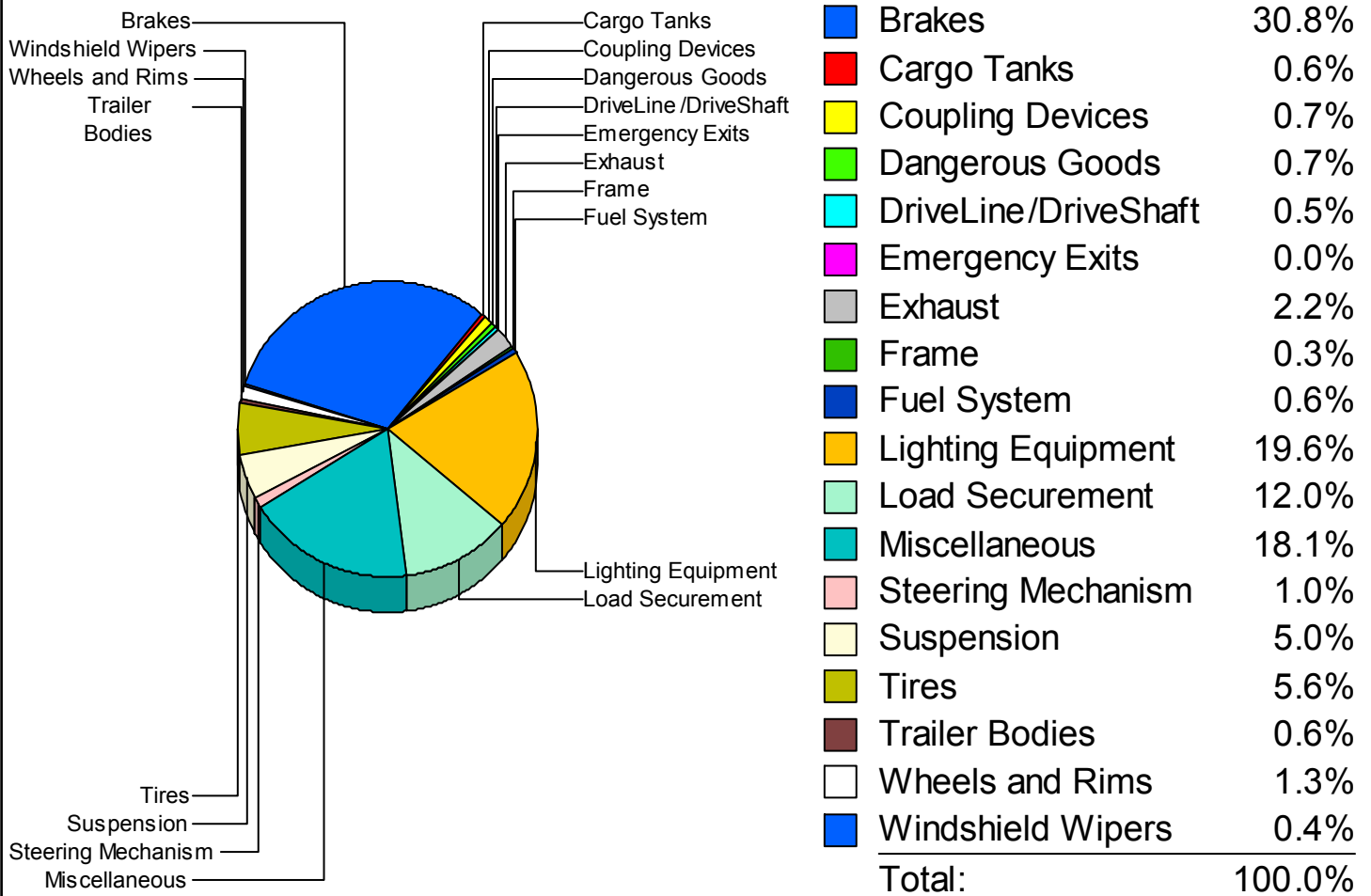
**Total Defects: 3,295**

**Total Reports: 1,625**

**Defects / Reports: 2.03**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	1,392
Cargo Tanks	27
Coupling Devices	33
Dangerous Goods	31
DriveLine/DriveShaft	22
Emergency Exits	1
Exhaust	100
Frame	14
Fuel System	26
Lighting Equipment	885
Load Securement	541
Miscellaneous	817
Steering Mechanism	46
Suspension	227
Tires	253
Trailer Bodies	27
Wheels and Rims	57
Windshield Wipers	16

Defect Category: Both

Total Defects: 4,515

Total Reports: 1,385

Defects / Reports: 3.26

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	7
3	FASTENERS, STOPS, MOUNTING	3
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	19
6	LEAK, LOCATION	100
7	CROSS MEMBER-BROKEN, SAGGING	14
8	FUEL SYSTEM LEAK, CAP MISSING	22
9	UNSECURED TANK	4
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	848
11	PROJECTING LOAD LAMPS, CLEARANCE	37
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	452
13	DUNNAGE, ANCHOR POINTS, FITTINGS	89
14	CHAMBERS, RESERVOIR, COMPRESSOR	124
15	HOSE, LINES, COUPLING, VALVES	183
16	LINING, DRUMS, DISCS	39
17	T.P. VALVE, L.A. WARNING DEVICE	36
18	AUDIBLE AIR LEAK, PUSH ROD	443
19	SLACK ADJUSTER, CAM SHAFT	58
20	PARK BRAKE, SPRING BRAKE	155
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	259
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	95
23	STEERING WHEEL, COLUMN, GEAR BOX	9
24	FRONT AXLE BEAM, PITMAN ARM	26
25	POWER STEERING, BALL / SOCKET JOINTS	5
26	TIE-RODS, DRAG LINKS, NUTS	6
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	140
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	33
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	54
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	8
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	14
33	SIDE PANELS - BAY AREA DAMAGE	5
34	BENT, BROKEN, CRACKED, LOOSE	28
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	26
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	16
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	253
39	DANGEROUS GOODS	31
40	CARGO TANK	27
41	EMERGENCY EXITS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	4
53	UNIVERSAL JOINT	12
54	CENTER BEARING - (CARRIER BEARING)	5
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	817

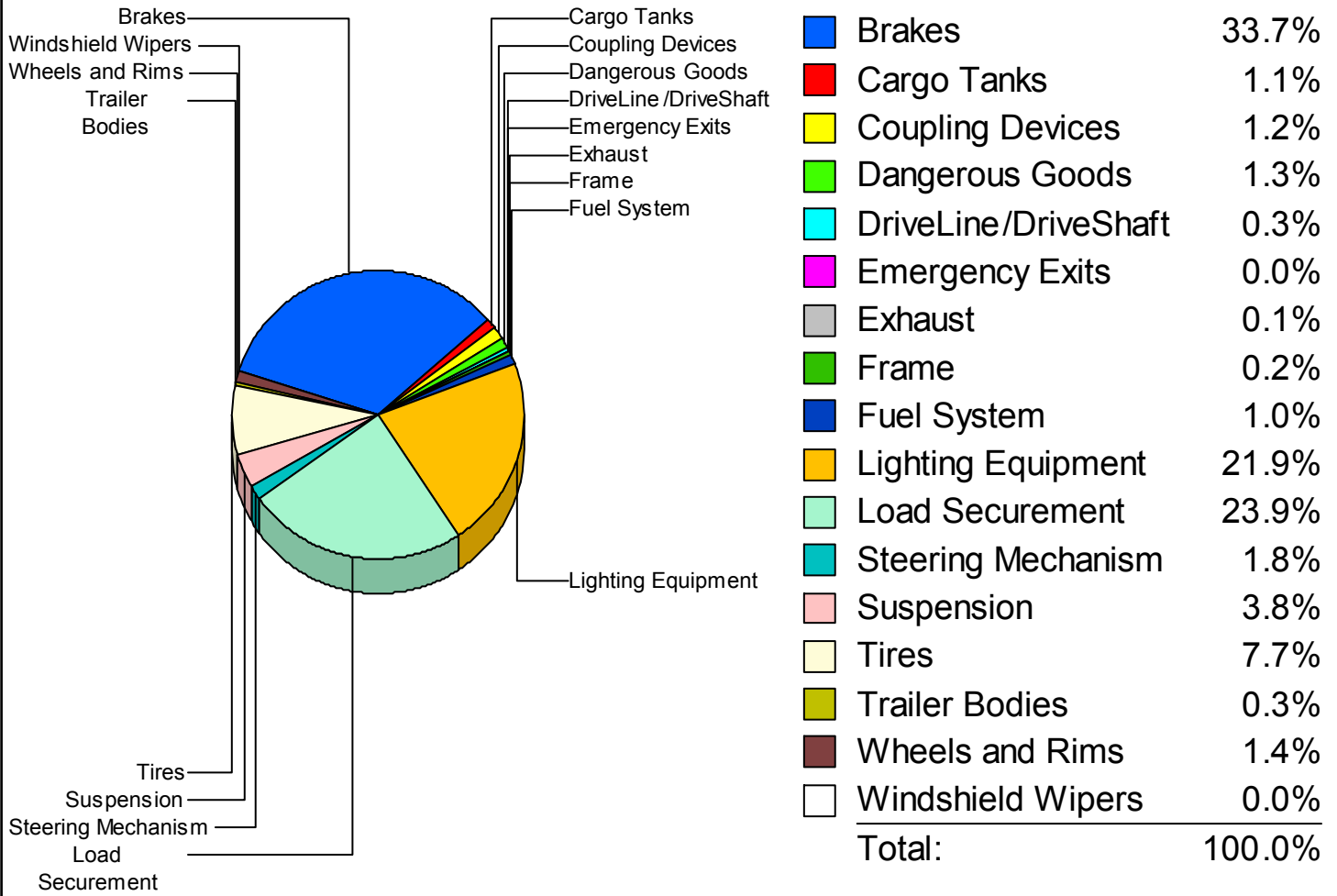
**Total Defects: 4,515**

**Total Reports: 1,385**

**Defects / Reports: 3.26**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	680
Cargo Tanks	22
Coupling Devices	25
Dangerous Goods	26
DriveLine/DriveShaft	7
Emergency Exits	1
Exhaust	2
Frame	5
Fuel System	21
Lighting Equipment	441
Load Securement	483
Steering Mechanism	36
Suspension	77
Tires	156
Trailer Bodies	6
Wheels and Rims	29
Windshield Wipers	1

Defect Category: Out of Service

Total Defects: 2,018

Total Reports: 1,385

Defects / Reports: 1.46

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	5
3	FASTENERS, STOPS, MOUNTING	2
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	15
6	LEAK, LOCATION	2
7	CROSS MEMBER-BROKEN, SAGGING	5
8	FUEL SYSTEM LEAK, CAP MISSING	19
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	427
11	PROJECTING LOAD LAMPS, CLEARANCE	14
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	413
13	DUNNAGE, ANCHOR POINTS, FITTINGS	70
14	CHAMBERS, RESERVOIR, COMPRESSOR	71
15	HOSE, LINES, COUPLING, VALVES	83
16	LINING, DRUMS, DISCS	15
17	T.P. VALVE, L.A. WARNING DEVICE	28
18	AUDIBLE AIR LEAK, PUSH ROD	190
19	SLACK ADJUSTER, CAM SHAFT	36
20	PARK BRAKE, SPRING BRAKE	153
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	21
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	83
23	STEERING WHEEL, COLUMN, GEAR BOX	6
24	FRONT AXLE BEAM, PITMAN ARM	25
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	41
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	17
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	19
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	3
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	17
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	9
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	156
39	DANGEROUS GOODS	26
40	CARGO TANK	22
41	EMERGENCY EXITS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	6

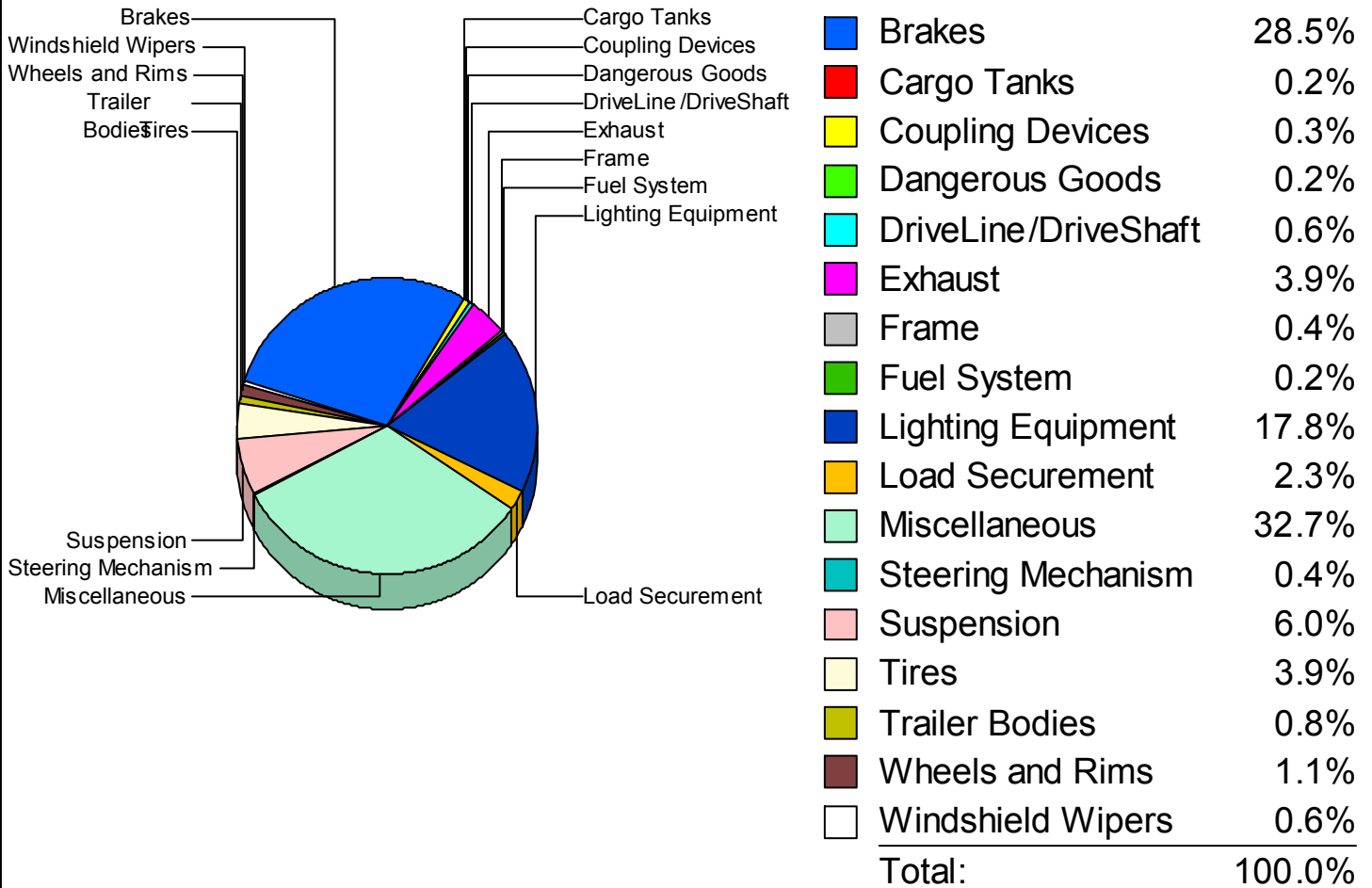
Total Defects: 2,018

Total Reports: 1,385

Defects / Reports: 1.46

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	712
Cargo Tanks	5
Coupling Devices	8
Dangerous Goods	5
DriveLine/DriveShaft	15
Exhaust	98
Frame	9
Fuel System	5
Lighting Equipment	444
Load Securement	58
Miscellaneous	817
Steering Mechanism	10
Suspension	150
Tires	97
Trailer Bodies	21
Wheels and Rims	28
Windshield Wipers	15

Defect Category: Fail Conditional

Total Defects: 2,497

Total Reports: 1,385

Defects / Reports: 1.80

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	2
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	4
6	LEAK, LOCATION	98
7	CROSS MEMBER-BROKEN, SAGGING	9
8	FUEL SYSTEM LEAK, CAP MISSING	3
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	421
11	PROJECTING LOAD LAMPS, CLEARANCE	23
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	39
13	DUNNAGE, ANCHOR POINTS, FITTINGS	19
14	CHAMBERS, RESERVOIR, COMPRESSOR	53
15	HOSE, LINES, COUPLING, VALVES	100
16	LINING, DRUMS, DISCS	24
17	T.P. VALVE, L.A. WARNING DEVICE	8
18	AUDIBLE AIR LEAK, PUSH ROD	253
19	SLACK ADJUSTER, CAM SHAFT	22
20	PARK BRAKE, SPRING BRAKE	2
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	238
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	12
23	STEERING WHEEL, COLUMN, GEAR BOX	3
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	99
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	16
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	35
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	7
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	11
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	11
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	17
37	INOPERATIVE, MISSING, DAMAGED	15
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	97
39	DANGEROUS GOODS	5
40	CARGO TANK	5
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
53	UNIVERSAL JOINT	6
54	CENTER BEARING - (CARRIER BEARING)	5
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	817

**Total Defects: 2,497**

**Total Reports: 1,385**

**Defects / Reports: 1.80**

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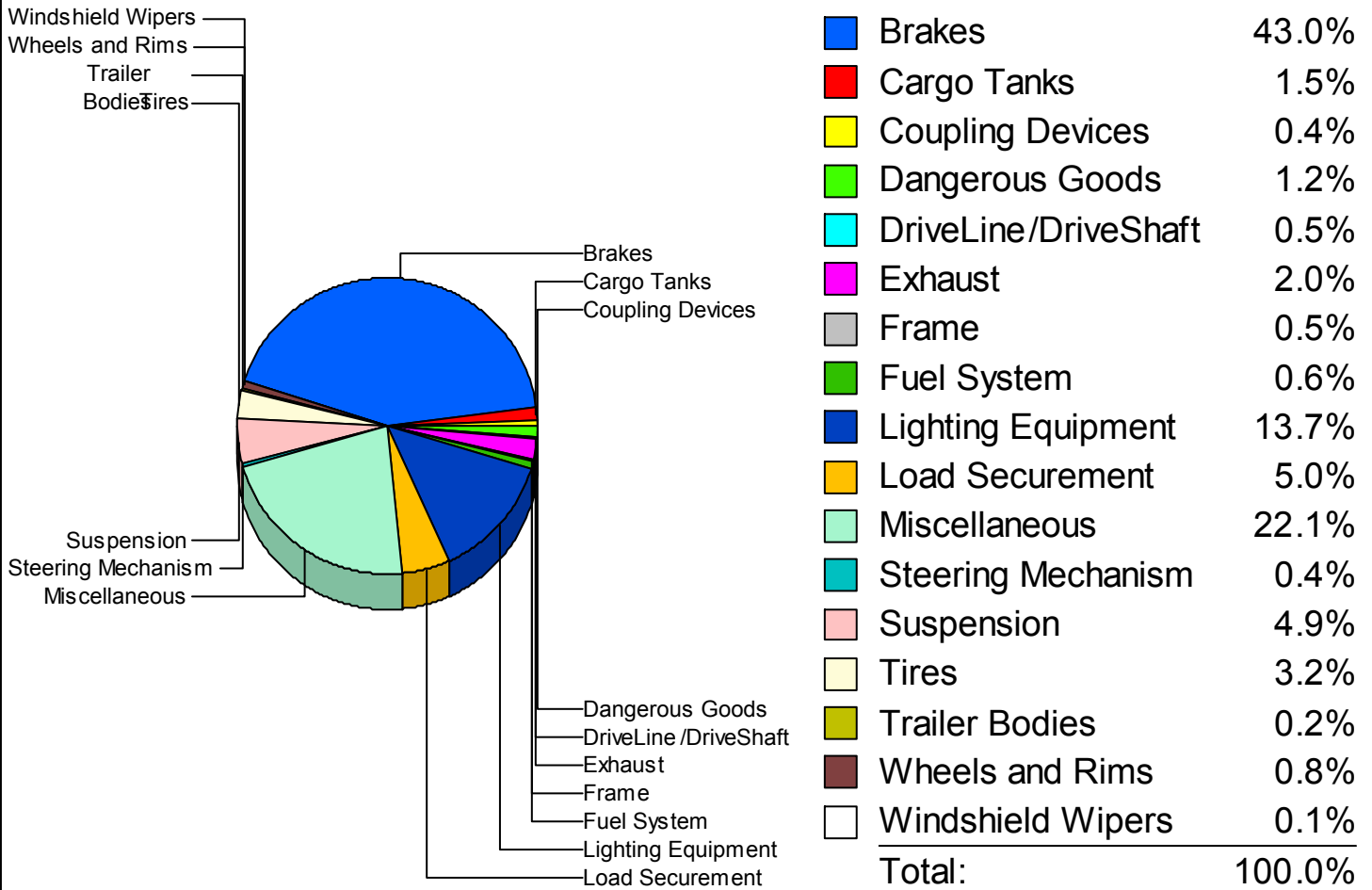


**2017 CVSA INSPECTIONS**  
 Inspection Results for Out of Province Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	777	582	309	1,668
Percentage of Reports	46.58	34.89	18.53	100%
Defects	86	1,030	836	1,952
Defects per Report	0.11	1.77	2.71	1.17

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	839
Cargo Tanks	30
Coupling Devices	7
Dangerous Goods	23
DriveLine/DriveShaft	9
Exhaust	40
Frame	9
Fuel System	12
Lighting Equipment	268
Load Securement	97
Miscellaneous	432
Steering Mechanism	7
Suspension	95
Tires	63
Trailer Bodies	4
Wheels and Rims	16
Windshield Wipers	1

Defect Category: Both

Total Defects: 1,952

Total Reports: 1,668

Defects / Reports: 1.17

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	2
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	3
6	LEAK, LOCATION	40
7	CROSS MEMBER-BROKEN, SAGGING	9
8	FUEL SYSTEM LEAK, CAP MISSING	12
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	262
11	PROJECTING LOAD LAMPS, CLEARANCE	6
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	73
13	DUNNAGE, ANCHOR POINTS, FITTINGS	24
14	CHAMBERS, RESERVOIR, COMPRESSOR	41
15	HOSE, LINES, COUPLING, VALVES	120
16	LINING, DRUMS, DISCS	20
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	274
19	SLACK ADJUSTER, CAM SHAFT	12
20	PARK BRAKE, SPRING BRAKE	6
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	351
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	8
23	STEERING WHEEL, COLUMN, GEAR BOX	2
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	2
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	56
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	4
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	35
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	15
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	63
39	DANGEROUS GOODS	23
40	CARGO TANK	30
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	2
53	UNIVERSAL JOINT	4
54	CENTER BEARING - (CARRIER BEARING)	2
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	432

**Total Defects: 1,952**

**Total Reports: 1,668**

**Defects / Reports: 1.17**

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for the purpose of duplex printing*

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
99	MISCELLANEOUS	86

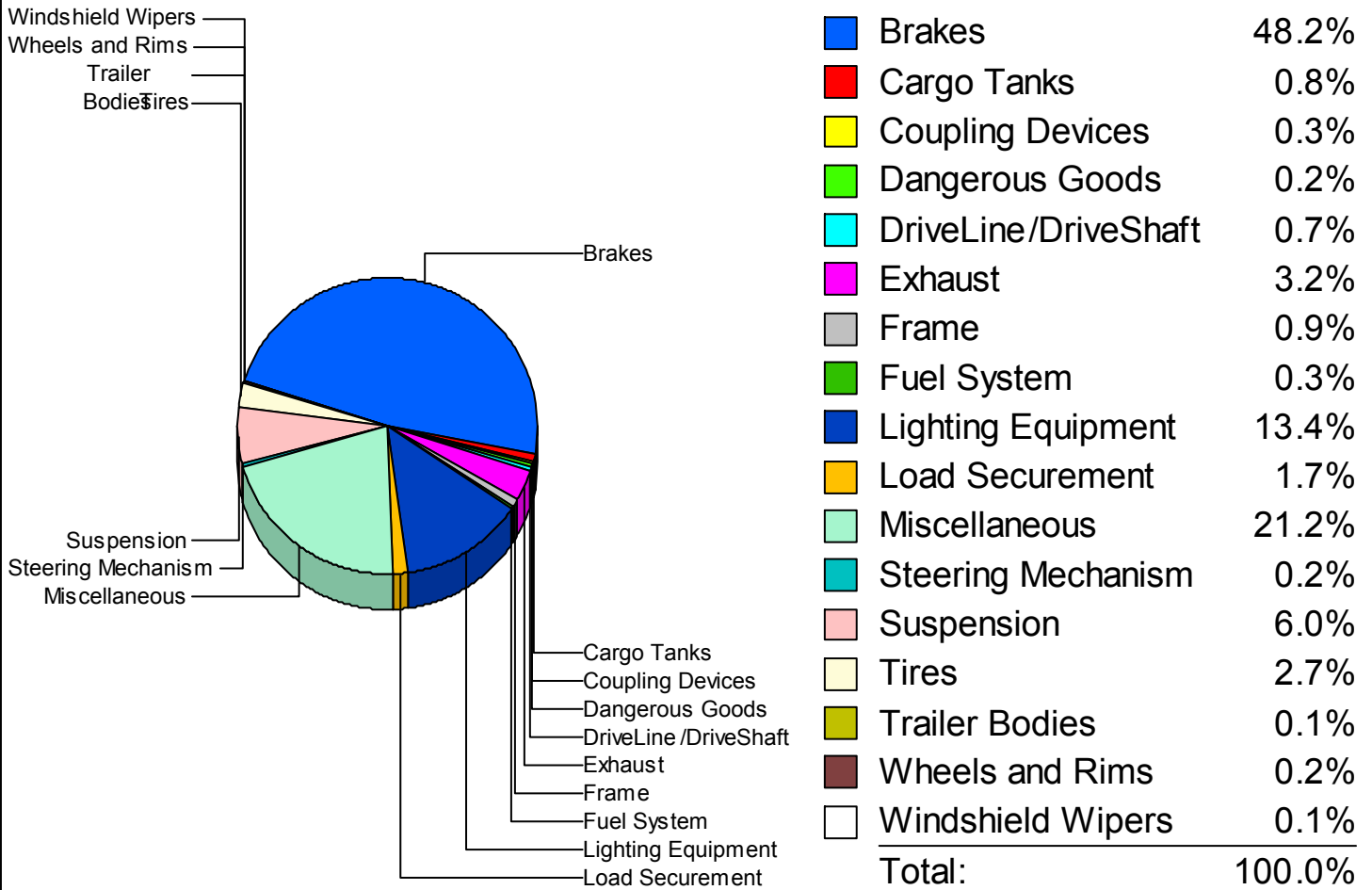
**Total Defects: 86**

**Total Reports: 777**

**Defects / Reports: 0.11**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	496
Cargo Tanks	8
Coupling Devices	3
Dangerous Goods	2
DriveLine/DriveShaft	7
Exhaust	33
Frame	9
Fuel System	3
Lighting Equipment	138
Load Securement	17
Miscellaneous	218
Steering Mechanism	2
Suspension	62
Tires	28
Trailer Bodies	1
Wheels and Rims	2
Windshield Wipers	1

Defect Category: Fail Conditional

Total Defects: 1,030

Total Reports: 582

Defects / Reports: 1.77

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	33
7	CROSS MEMBER-BROKEN, SAGGING	9
8	FUEL SYSTEM LEAK, CAP MISSING	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	133
11	PROJECTING LOAD LAMPS, CLEARANCE	5
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	10
13	DUNNAGE, ANCHOR POINTS, FITTINGS	7
14	CHAMBERS, RESERVOIR, COMPRESSOR	20
15	HOSE, LINES, COUPLING, VALVES	41
16	LINING, DRUMS, DISCS	5
18	AUDIBLE AIR LEAK, PUSH ROD	164
19	SLACK ADJUSTER, CAM SHAFT	4
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	259
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	3
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	34
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	4
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	24
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
34	BENT, BROKEN, CRACKED, LOOSE	2
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	28
39	DANGEROUS GOODS	2
40	CARGO TANK	8
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	2
53	UNIVERSAL JOINT	2
54	CENTER BEARING - (CARRIER BEARING)	2
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	218

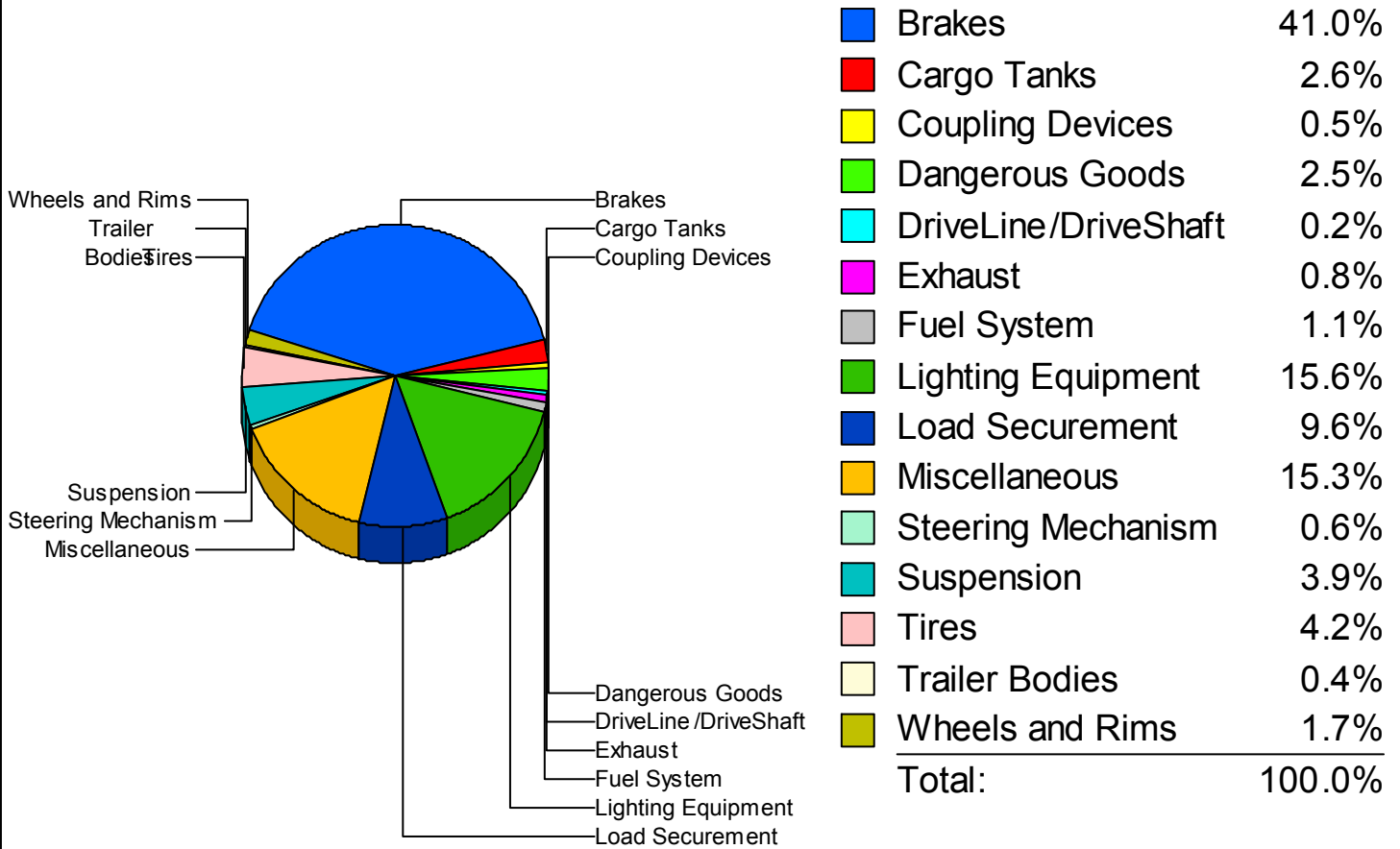
**Total Defects: 1,030**

**Total Reports: 582**

**Defects / Reports: 1.77**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	343
Cargo Tanks	22
Coupling Devices	4
Dangerous Goods	21
DriveLine/DriveShaft	2
Exhaust	7
Fuel System	9
Lighting Equipment	130
Load Securement	80
Miscellaneous	128
Steering Mechanism	5
Suspension	33
Tires	35
Trailer Bodies	3
Wheels and Rims	14

Defect Category: Both  
Total Defects: 836  
Total Reports: 309  
Defects / Reports: 2.71



# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	2
6	LEAK, LOCATION	7
8	FUEL SYSTEM LEAK, CAP MISSING	9
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	129
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	63
13	DUNNAGE, ANCHOR POINTS, FITTINGS	17
14	CHAMBERS, RESERVOIR, COMPRESSOR	21
15	HOSE, LINES, COUPLING, VALVES	79
16	LINING, DRUMS, DISCS	15
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	110
19	SLACK ADJUSTER, CAM SHAFT	8
20	PARK BRAKE, SPRING BRAKE	6
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	92
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
23	STEERING WHEEL, COLUMN, GEAR BOX	2
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	22
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	11
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	13
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	35
39	DANGEROUS GOODS	21
40	CARGO TANK	22
53	UNIVERSAL JOINT	2
99	MISCELLANEOUS	128

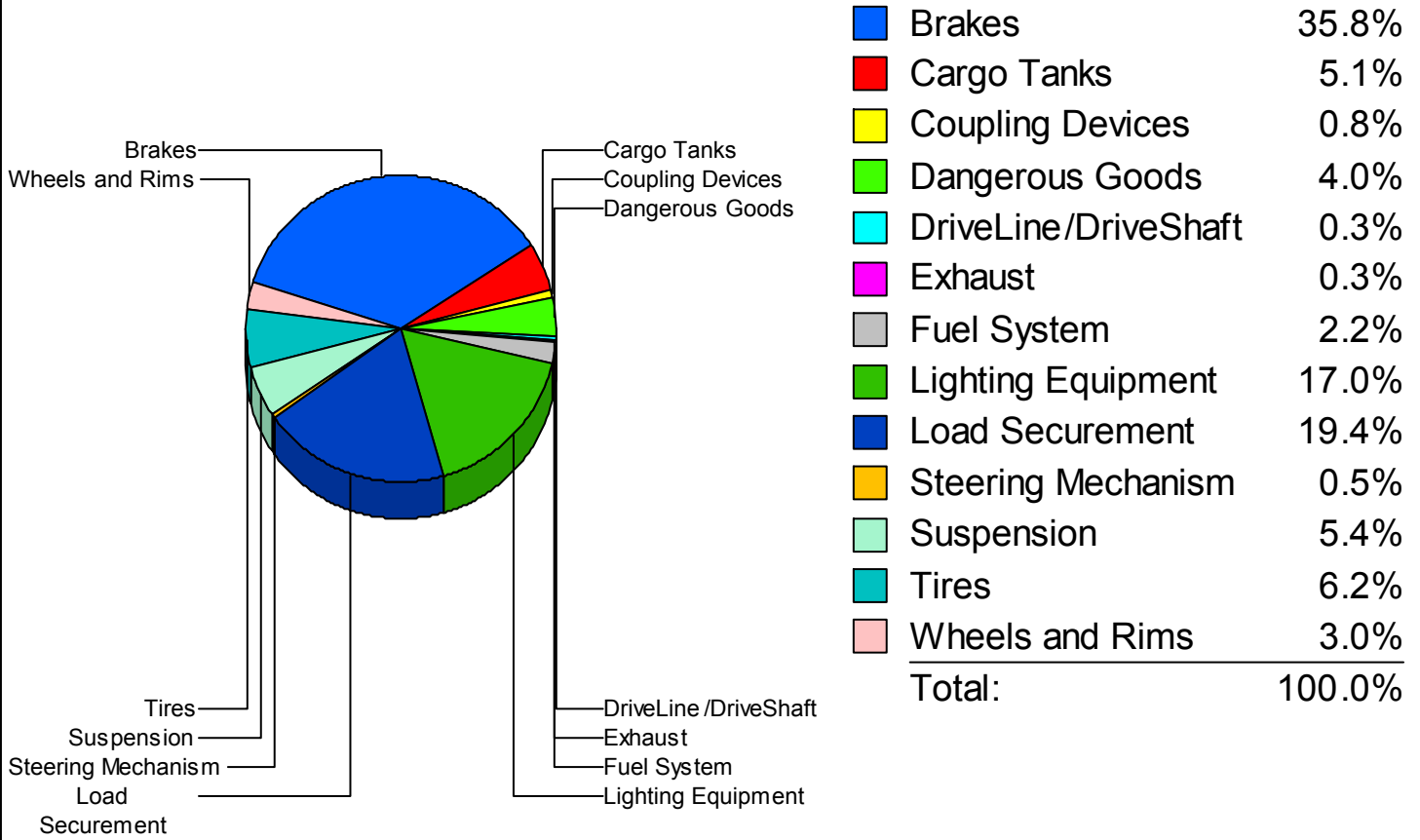
**Total Defects: 836**

**Total Reports: 309**

**Defects / Reports: 2.71**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	133
Cargo Tanks	19
Coupling Devices	3
Dangerous Goods	15
DriveLine/DriveShaft	1
Exhaust	1
Fuel System	8
Lighting Equipment	63
Load Securement	72
Steering Mechanism	2
Suspension	20
Tires	23
Wheels and Rims	11

Defect Category: Out of Service

Total Defects: 371

Total Reports: 309

Defects / Reports: 1.20

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	2
6	LEAK, LOCATION	1
8	FUEL SYSTEM LEAK, CAP MISSING	8
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	62
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	57
13	DUNNAGE, ANCHOR POINTS, FITTINGS	15
14	CHAMBERS, RESERVOIR, COMPRESSOR	13
15	HOSE, LINES, COUPLING, VALVES	58
16	LINING, DRUMS, DISCS	7
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	37
20	PARK BRAKE, SPRING BRAKE	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
24	FRONT AXLE BEAM, PITMAN ARM	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	14
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	6
34	BENT, BROKEN, CRACKED, LOOSE	10
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	23
39	DANGEROUS GOODS	15
40	CARGO TANK	19
53	UNIVERSAL JOINT	1

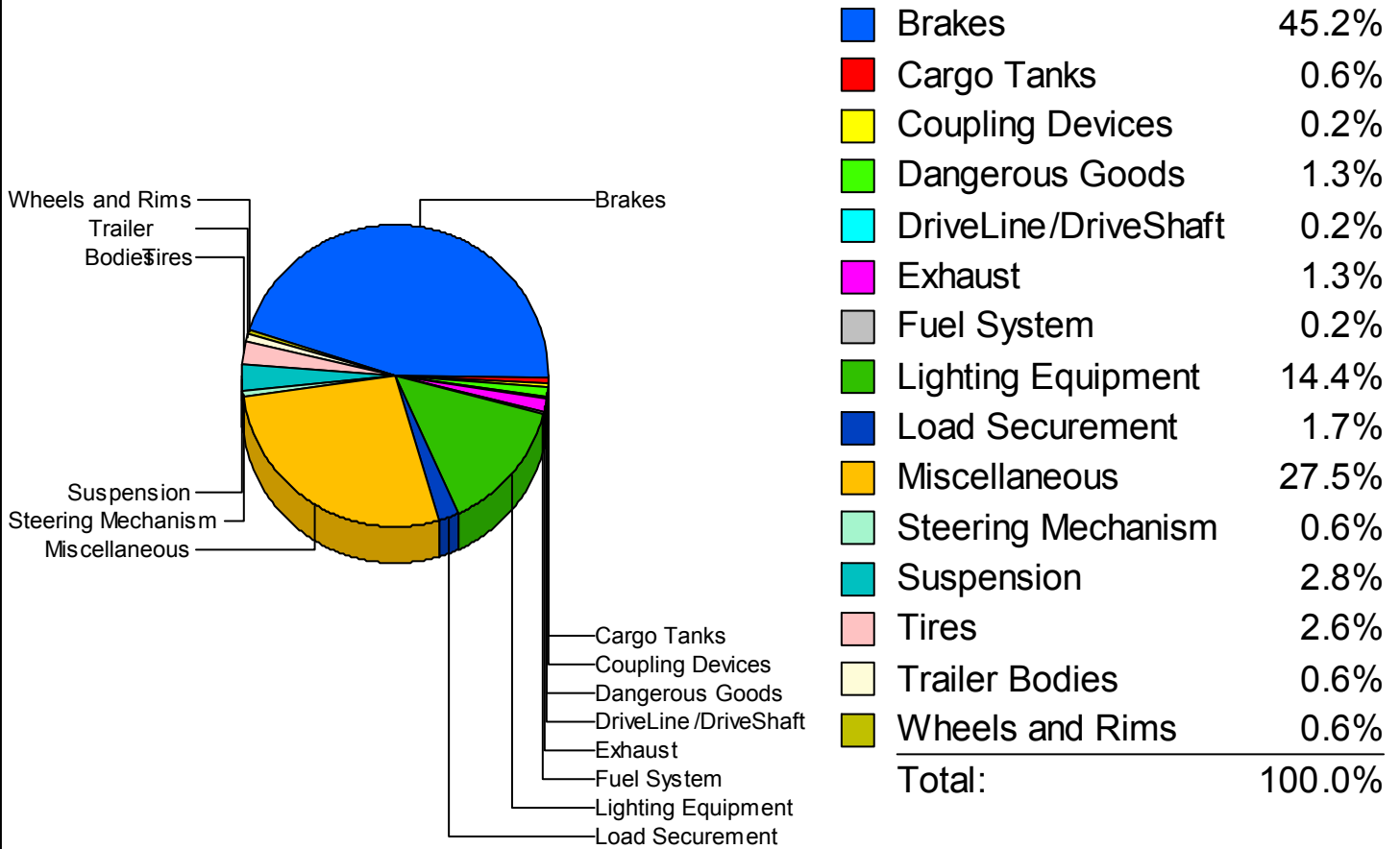
**Total Defects: 371**

**Total Reports: 309**

**Defects / Reports: 1.20**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	210
Cargo Tanks	3
Coupling Devices	1
Dangerous Goods	6
DriveLine/DriveShaft	1
Exhaust	6
Fuel System	1
Lighting Equipment	67
Load Securement	8
Miscellaneous	128
Steering Mechanism	3
Suspension	13
Tires	12
Trailer Bodies	3
Wheels and Rims	3

Defect Category: Fail Conditional

Total Defects: 465  
Total Reports: 309  
Defects / Reports: 1.50

# Number of Defects - CVSA Inspections '17

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
6	LEAK, LOCATION	6
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	67
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	6
13	DUNNAGE, ANCHOR POINTS, FITTINGS	2
14	CHAMBERS, RESERVOIR, COMPRESSOR	8
15	HOSE, LINES, COUPLING, VALVES	21
16	LINING, DRUMS, DISCS	8
18	AUDIBLE AIR LEAK, PUSH ROD	73
19	SLACK ADJUSTER, CAM SHAFT	8
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	92
23	STEERING WHEEL, COLUMN, GEAR BOX	2
25	POWER STEERING, BALL / SOCKET JOINTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	8
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	5
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	12
39	DANGEROUS GOODS	6
40	CARGO TANK	3
53	UNIVERSAL JOINT	1
99	MISCELLANEOUS	128

**Total Defects: 465**

**Total Reports: 309**

**Defects / Reports: 1.50**

# ALL

## Inspection Results by Registration Class Jan 01, 2017 to Dec 31, 2017

Truck Type	Inspection Result			Total	Percentage (%)
	Pass	Fail	Out of Service		
A5 STRAIGHT	5	4	22	31	0.56%
A6 FARM	119	82	84	285	5.14%
AR REG PASS	14	4	1	19	0.34%
C1 COMMERCIAL	825	492	502	1,819	32.82%
C5 LTD CT	179	156	174	509	9.18%
P2 PSV BUS	26	3	1	30	0.54%
P4 PSV TRUCK	1,206	689	362	2,257	40.73%
P8 LTD PSV TRUCK	116	158	140	414	7.47%
TAXI	0	0	0	0	0.00%
LIGHT DUTY	42	37	99	178	3.21%
TOTAL	2,532	1,625	1,385	5,542	100.00%
Percentage (%)	46%	29%	25%	100%	

Percentages				
Truck Type	Inspection Result			Total
	Pass	Fail	Out of Service	
A5 STRAIGHT	16.13%	12.90%	70.97%	100%
A6 FARM	41.75%	28.77%	29.47%	100%
AR REG PASS	73.68%	21.05%	5.26%	100%
C1 COMMERCIAL	45.35%	27.05%	27.60%	100%
C5 LTD CT	35.17%	30.65%	34.18%	100%
P2 PSV BUS	86.67%	10.00%	3.33%	100%
P4 PSV TRUCK	53.43%	30.53%	16.04%	100%
P8 LTD PSV TRUCK	28.02%	38.16%	33.82%	100%
TAXI	0.00%	0.00%	0.00%	0%
LIGHT DUTY	23.60%	20.79%	55.62%	100%

**Legend:** Registration Class is determined by the vehicle and how it is registered. For the purpose of this report, all vehicles have a Registered Gross Vehicle Weight of 4500Kgs or greater with the exception of Light Duty Vehicles.

Truck Types

**A5 Straight:** Is a *motor vehicle* or *semi-trailer truck* that is not a *delivery car* and that is constructed or adapted to carry goods, but not passengers or luggage. This classification covers all trucks not defined elsewhere. This includes all personal conveyances. As of September 1, 2015, this will only include personal use vehicle.

**A6 Farm:** Is a truck own or leased by a *farmer*

**AR Regulated Passenger Vehicle:**  
Is a passenger veicle designed for carrying 11 or more persons, including the driver, but is not a public services vehicle. New registration class created September 1, 2015 to replace certain A1 plates.

**C1 Commercial:**  
Is either a *truck* or a *trailer* operated by a business to transport business goods for commercial purposes. *Commercial vehicle may not be used to transport people or property for gain or compensation.*

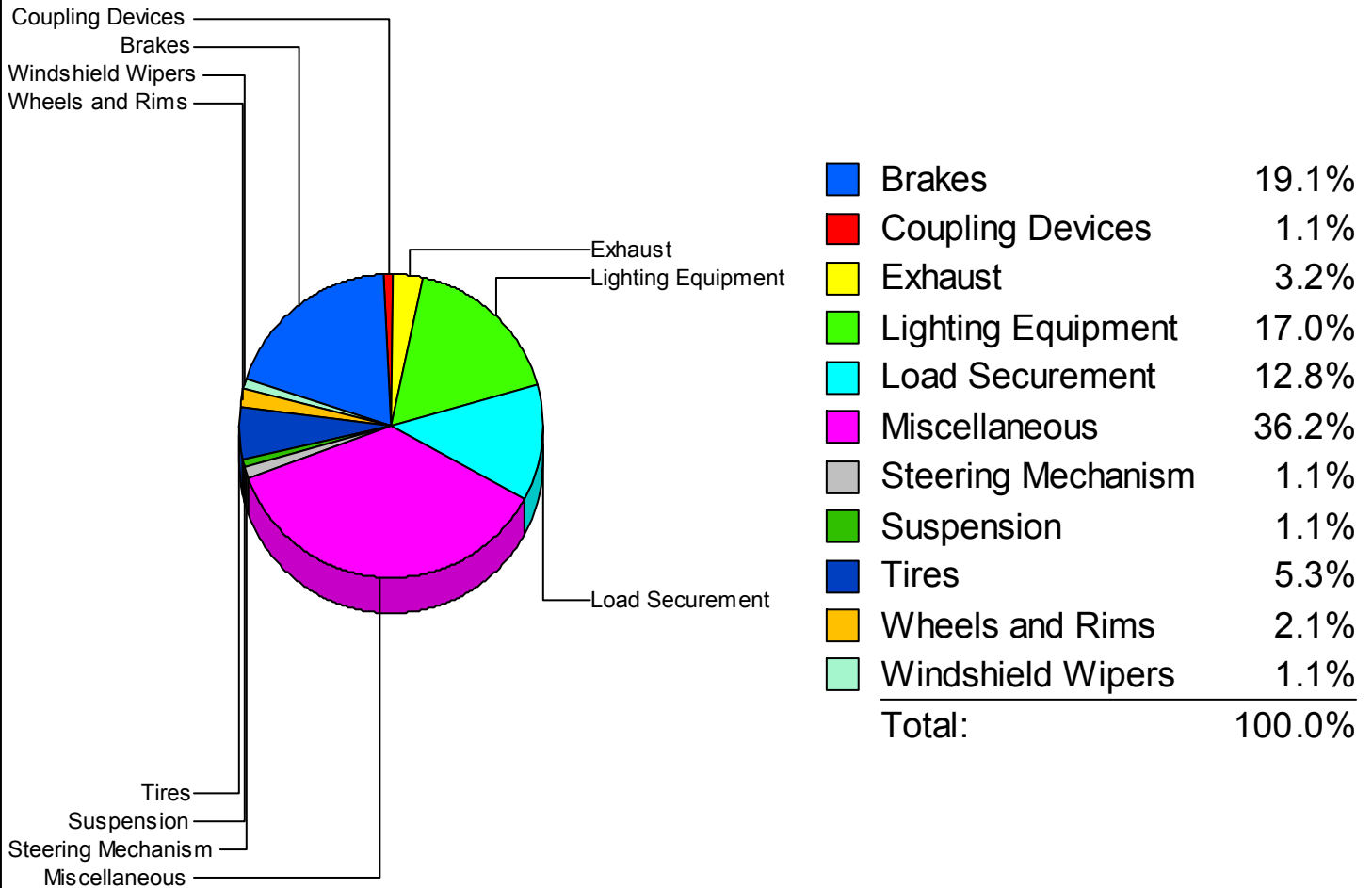
**C5 Limited Use Commercial Truck:**  
Is the same as C1 Commercial but only within restricted distances of registered owner's place of business. This registration class was also created September 1, 2015 to replace certain A5 plates that previously met legislative exemptions.

**P2 - P4 Public Service:**  
Is a *motor vehicle* or *trailer* operated to transport people or property on a highway for pay. The exceptions are passenger carrying *vehicles* of an electric or steam railway or motorbus company operating on the streets of a city, *school buses, ambulances, hearses.*

**P8 Limited Use Public Service Truck:**  
Is the same as P4 Public Service but only within restricted distance from the registered owner's place of business. Third new registration class created September 1, 2015 to replace certain A5 plates.

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	18
Coupling Devices	1
Exhaust	3
Lighting Equipment	16
Load Securement	12
Miscellaneous	34
Steering Mechanism	1
Suspension	1
Tires	5
Wheels and Rims	2
Windshield Wipers	1

Defect Category: Both

Total Defects: 94

Total Reports: 31

Defects / Reports: 3.03



# Number of Defects - CVSA Inspections '17

A5 - Straight Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	15
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	10
13	DUNNAGE, ANCHOR POINTS, FITTINGS	2
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	6
20	PARK BRAKE, SPRING BRAKE	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
25	POWER STEERING, BALL / SOCKET JOINTS	1
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	1
34	BENT, BROKEN, CRACKED, LOOSE	1
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	5
99	MISCELLANEOUS	34

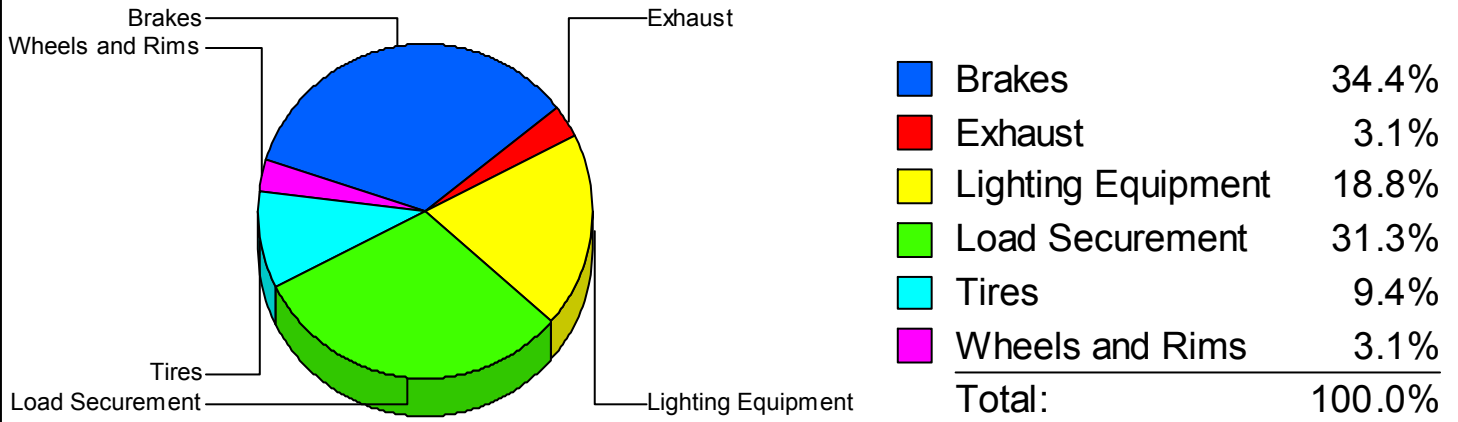
**Total Defects: 94**

**Total Reports: 31**

**Defects / Reports: 3.03**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	11
Exhaust	1
Lighting Equipment	6
Load Securement	10
Tires	3
Wheels and Rims	1

Defect Category: Out of Service

Total Defects: 32  
Total Reports: 22  
Defects / Reports: 1.45

# Number of Defects - CVSA Inspections '17

A5 - Straight Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
6	LEAK, LOCATION	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	6
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	9
13	DUNNAGE, ANCHOR POINTS, FITTINGS	1
17	T.P. VALVE, L.A. WARNING DEVICE	1
20	PARK BRAKE, SPRING BRAKE	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	4
34	BENT, BROKEN, CRACKED, LOOSE	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	3

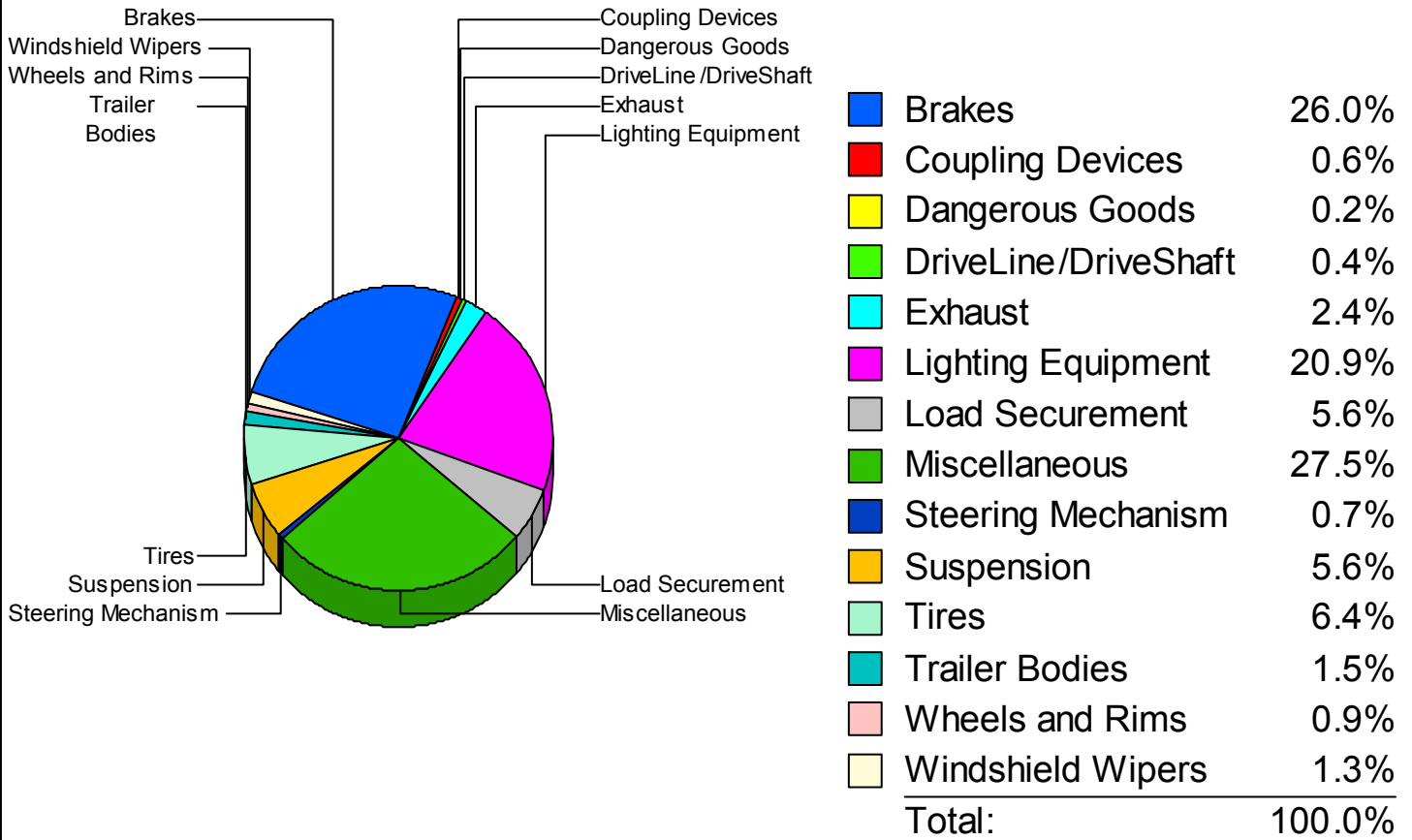
**Total Defects: 32**

**Total Reports: 22**

**Defects / Reports: 1.45**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	139
Coupling Devices	3
Dangerous Goods	1
DriveLine/DriveShaft	2
Exhaust	13
Lighting Equipment	112
Load Securement	30
Miscellaneous	147
Steering Mechanism	4
Suspension	30
Tires	34
Trailer Bodies	8
Wheels and Rims	5
Windshield Wipers	7

Defect Category: Both

Total Defects: 535

Total Reports: 285

Defects / Reports: 1.88

# Number of Defects - CVSA Inspections '17

A6 - Farm Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	13
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	110
11	PROJECTING LOAD LAMPS, CLEARANCE	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	26
13	DUNNAGE, ANCHOR POINTS, FITTINGS	4
14	CHAMBERS, RESERVOIR, COMPRESSOR	10
15	HOSE, LINES, COUPLING, VALVES	22
16	LINING, DRUMS, DISCS	3
17	T.P. VALVE, L.A. WARNING DEVICE	3
18	AUDIBLE AIR LEAK, PUSH ROD	61
19	SLACK ADJUSTER, CAM SHAFT	5
20	PARK BRAKE, SPRING BRAKE	4
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	25
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	6
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	23
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	5
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	2
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	1
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
37	INOPERATIVE, MISSING, DAMAGED	7
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	34
39	DANGEROUS GOODS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	1
99	MISCELLANEOUS	147

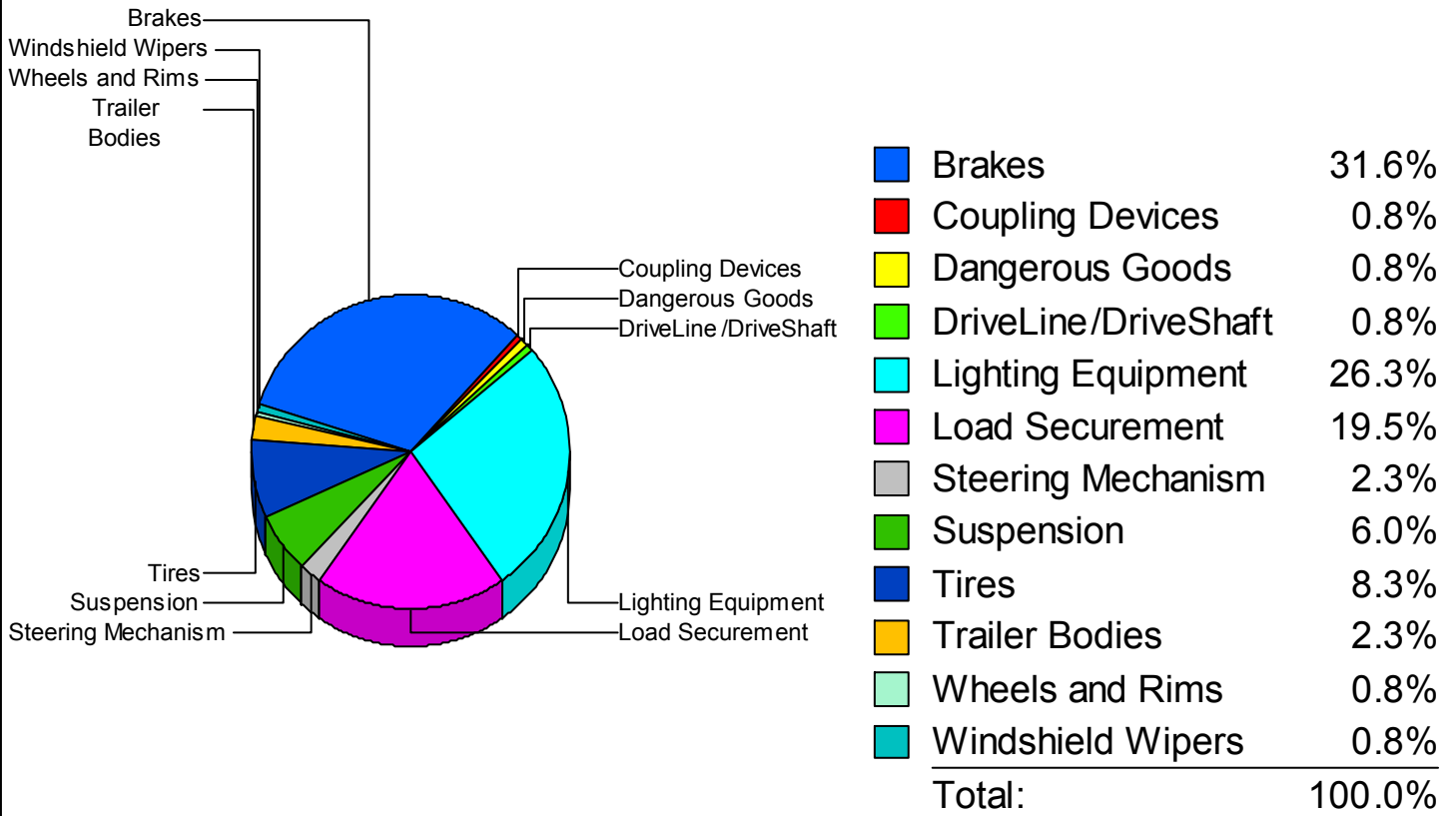
**Total Defects: 535**

**Total Reports: 285**

**Defects / Reports: 1.88**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	42
Coupling Devices	1
Dangerous Goods	1
DriveLine/DriveShaft	1
Lighting Equipment	35
Load Securement	26
Steering Mechanism	3
Suspension	8
Tires	11
Trailer Bodies	3
Wheels and Rims	1
Windshield Wipers	1

Defect Category: Out of Service

Total Defects: 133

Total Reports: 84

Defects / Reports: 1.58

# Number of Defects - CVSA Inspections '17

A6 - Farm Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	34
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	24
13	DUNNAGE, ANCHOR POINTS, FITTINGS	2
14	CHAMBERS, RESERVOIR, COMPRESSOR	6
15	HOSE, LINES, COUPLING, VALVES	4
17	T.P. VALVE, L.A. WARNING DEVICE	3
18	AUDIBLE AIR LEAK, PUSH ROD	18
19	SLACK ADJUSTER, CAM SHAFT	2
20	PARK BRAKE, SPRING BRAKE	4
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
24	FRONT AXLE BEAM, PITMAN ARM	2
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	5
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	1
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	11
39	DANGEROUS GOODS	1
53	UNIVERSAL JOINT	1

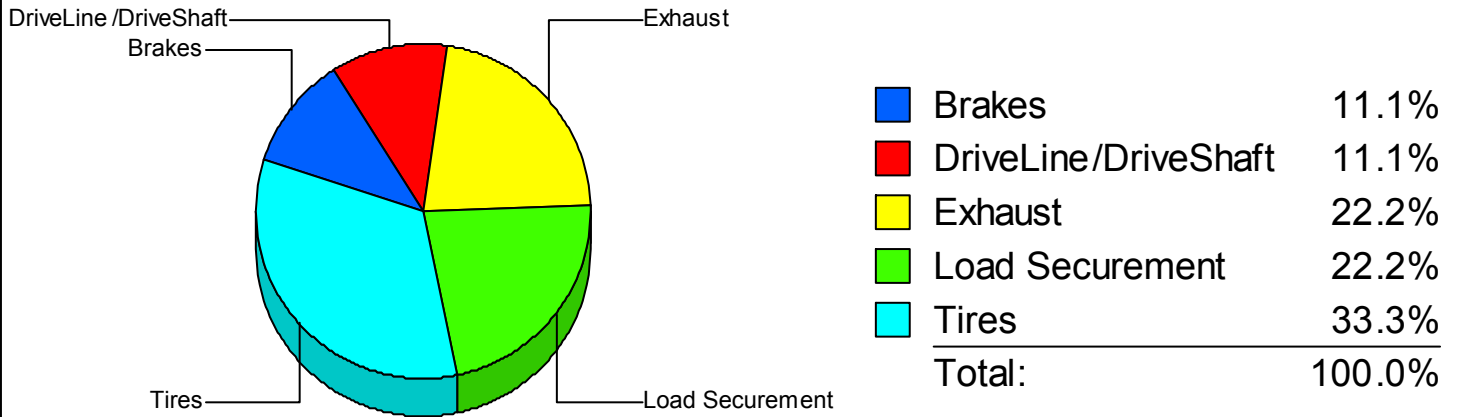
**Total Defects: 133**

**Total Reports: 84**

**Defects / Reports: 1.58**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1
DriveLine/DriveShaft	1
Exhaust	2
Load Securement	2
Tires	3

Defect Category: Both

Total Defects: 9

Total Reports: 19

Defects / Reports: 0.47



# Number of Defects - CVSA Inspections '17

AR - Regulated Passenger Vehicle - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
6	LEAK, LOCATION	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	2
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	3
53	UNIVERSAL JOINT	1

**Total Defects: 9**

**Total Reports: 19**

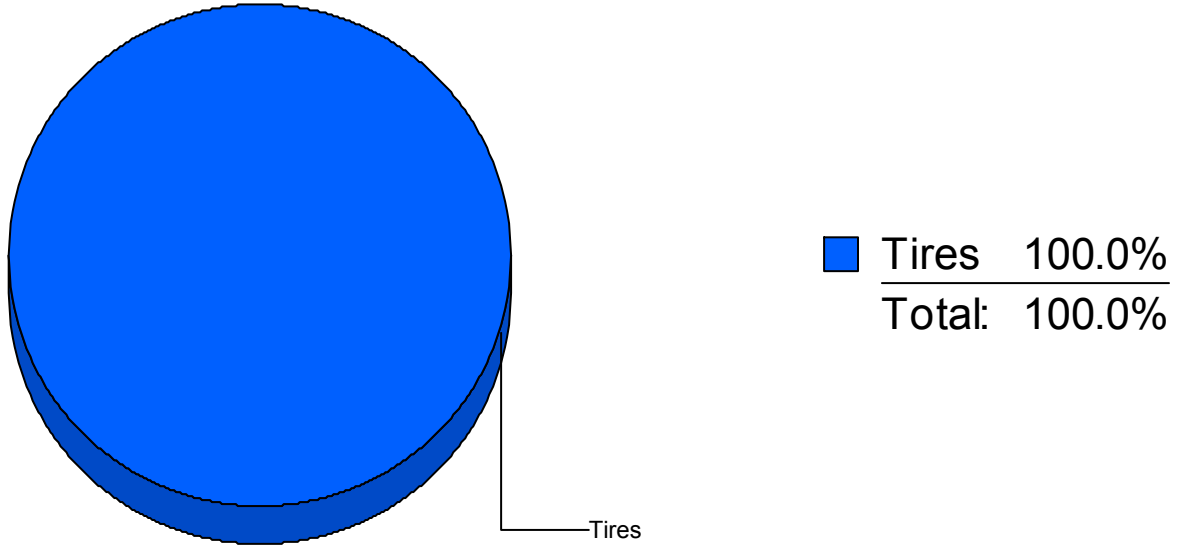
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**Defects / Reports: 0.47**

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# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Tires	1
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Defect Category: Out of Service

Total Defects: 1  
Total Reports: 1  
Defects / Reports: 1.00

# Number of Defects - CVSA Inspections '17

AR - Regulated Passenger Vehicle - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	1

**Total Defects: 1**

**Total Reports: 1**

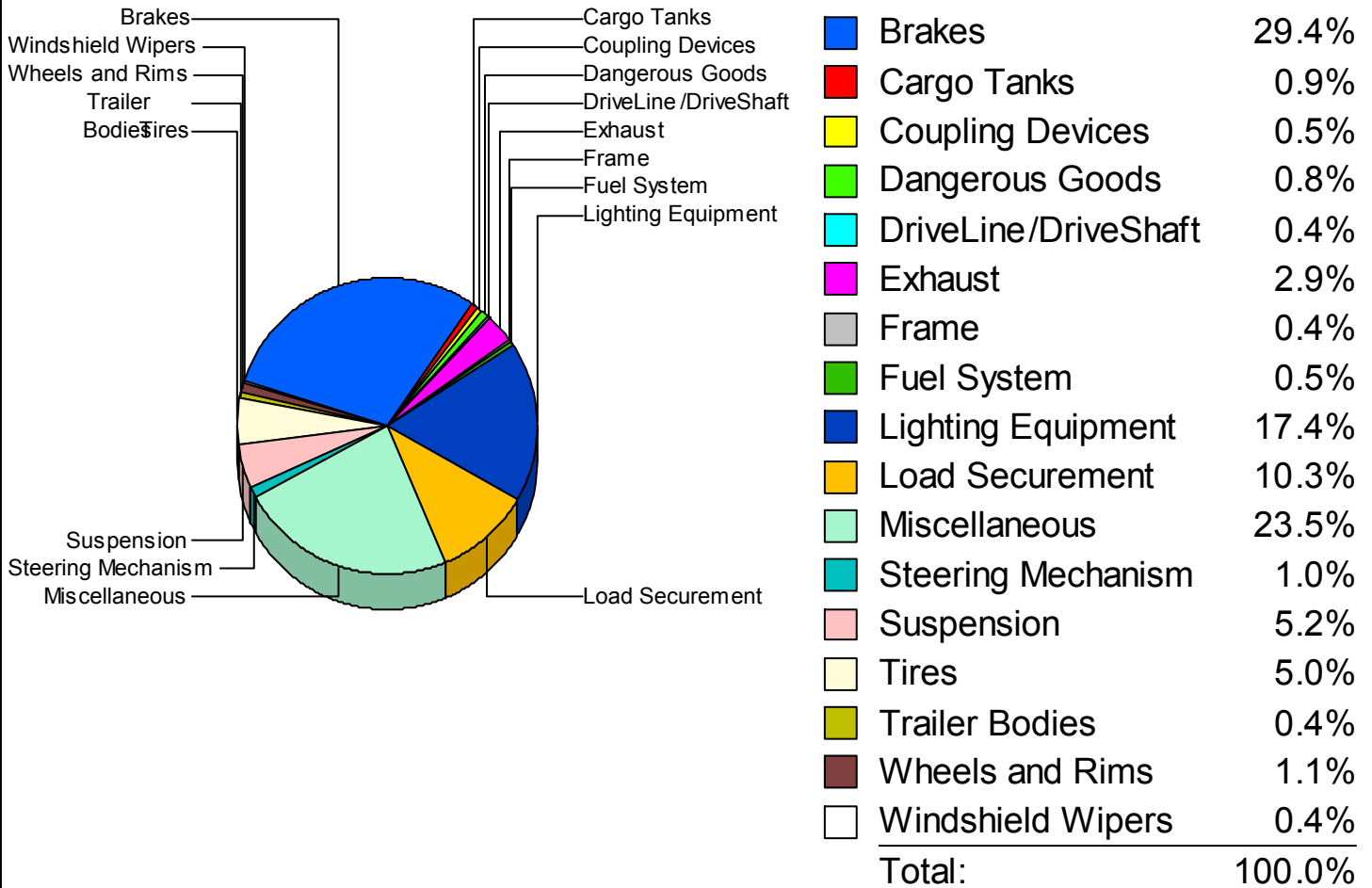
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**Defects / Reports: 1.00**

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# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	748
Cargo Tanks	22
Coupling Devices	13
Dangerous Goods	20
DriveLine/DriveShaft	10
Exhaust	74
Frame	9
Fuel System	13
Lighting Equipment	443
Load Securement	261
Miscellaneous	596
Steering Mechanism	26
Suspension	131
Tires	127
Trailer Bodies	9
Wheels and Rims	28
Windshield Wipers	10

Defect Category: Both

Total Defects: 2,540

Total Reports: 1,819

Defects / Reports: 1.40

# Number of Defects - CVSA Inspections '17

C1 - Commercial Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
3	FASTENERS, STOPS, MOUNTING	1
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	9
6	LEAK, LOCATION	74
7	CROSS MEMBER-BROKEN, SAGGING	9
8	FUEL SYSTEM LEAK, CAP MISSING	11
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	422
11	PROJECTING LOAD LAMPS, CLEARANCE	21
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	224
13	DUNNAGE, ANCHOR POINTS, FITTINGS	37
14	CHAMBERS, RESERVOIR, COMPRESSOR	61
15	HOSE, LINES, COUPLING, VALVES	88
16	LINING, DRUMS, DISCS	7
17	T.P. VALVE, L.A. WARNING DEVICE	14
18	AUDIBLE AIR LEAK, PUSH ROD	235
19	SLACK ADJUSTER, CAM SHAFT	27
20	PARK BRAKE, SPRING BRAKE	78
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	188
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	50
23	STEERING WHEEL, COLUMN, GEAR BOX	7
24	FRONT AXLE BEAM, PITMAN ARM	11
25	POWER STEERING, BALL / SOCKET JOINTS	5
26	TIE-RODS, DRAG LINKS, NUTS	1
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	80
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	24
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	27
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	6
34	BENT, BROKEN, CRACKED, LOOSE	19
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	9
37	INOPERATIVE, MISSING, DAMAGED	10
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	127
39	DANGEROUS GOODS	20
40	CARGO TANK	22
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	2
53	UNIVERSAL JOINT	6
54	CENTER BEARING - (CARRIER BEARING)	2
99	MISCELLANEOUS	596

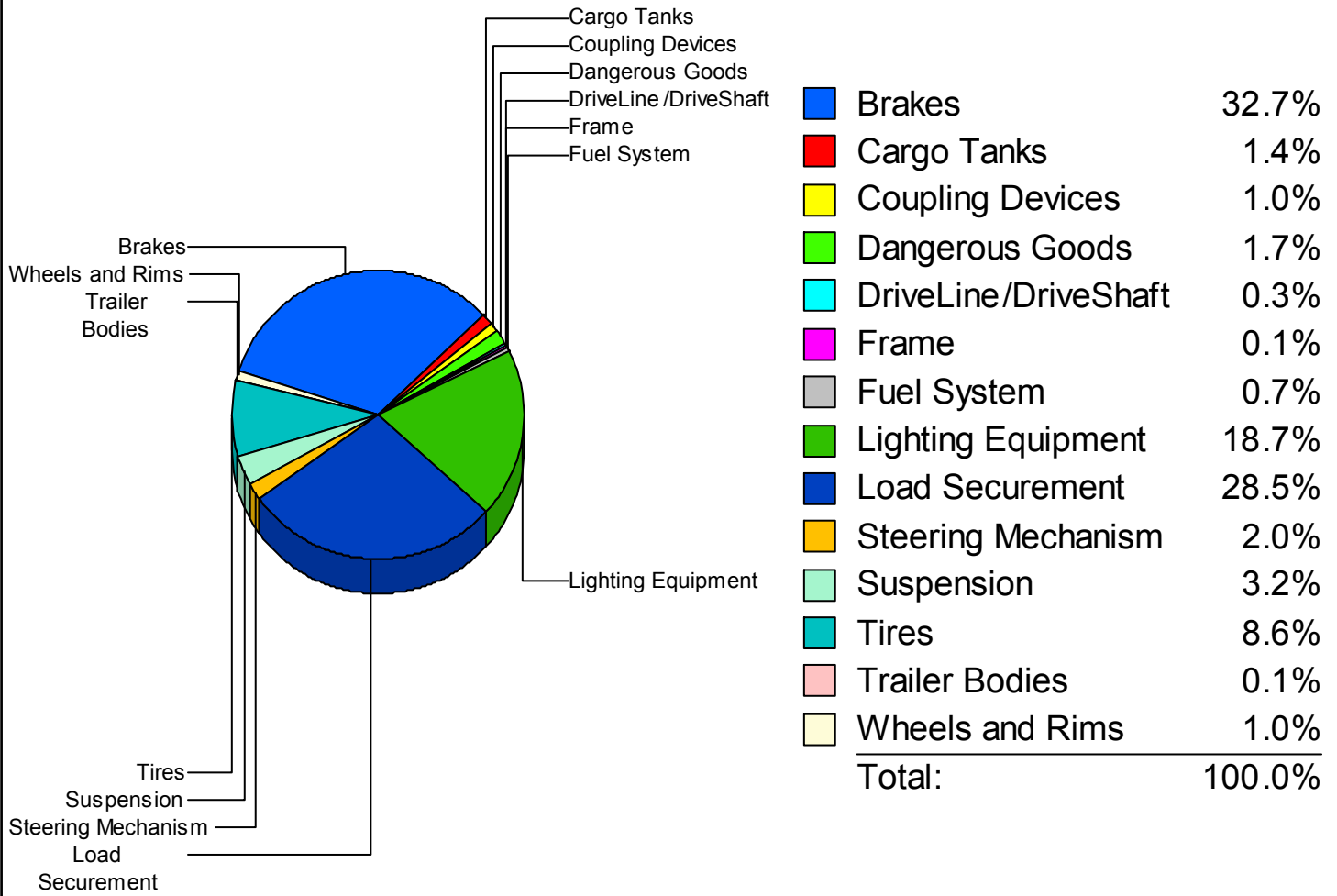
**Total Defects: 2,540**

**Total Reports: 1,819**

**Defects / Reports: 1.40**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	232
Cargo Tanks	10
Coupling Devices	7
Dangerous Goods	12
DriveLine/DriveShaft	2
Frame	1
Fuel System	5
Lighting Equipment	133
Load Securement	202
Steering Mechanism	14
Suspension	23
Tires	61
Trailer Bodies	1
Wheels and Rims	7

Defect Category: Out of Service

Total Defects: 710

Total Reports: 502

Defects / Reports: 1.41

# Number of Defects - CVSA Inspections '17

C1 - Commercial Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
3	FASTENERS, STOPS, MOUNTING	1
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	5
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	5
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	124
11	PROJECTING LOAD LAMPS, CLEARANCE	9
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	178
13	DUNNAGE, ANCHOR POINTS, FITTINGS	24
14	CHAMBERS, RESERVOIR, COMPRESSOR	20
15	HOSE, LINES, COUPLING, VALVES	16
16	LINING, DRUMS, DISCS	4
17	T.P. VALVE, L.A. WARNING DEVICE	8
18	AUDIBLE AIR LEAK, PUSH ROD	51
19	SLACK ADJUSTER, CAM SHAFT	9
20	PARK BRAKE, SPRING BRAKE	77
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	9
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	38
23	STEERING WHEEL, COLUMN, GEAR BOX	4
24	FRONT AXLE BEAM, PITMAN ARM	9
25	POWER STEERING, BALL / SOCKET JOINTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	9
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	8
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	6
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
34	BENT, BROKEN, CRACKED, LOOSE	5
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	2
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	61
39	DANGEROUS GOODS	12
40	CARGO TANK	10
53	UNIVERSAL JOINT	2

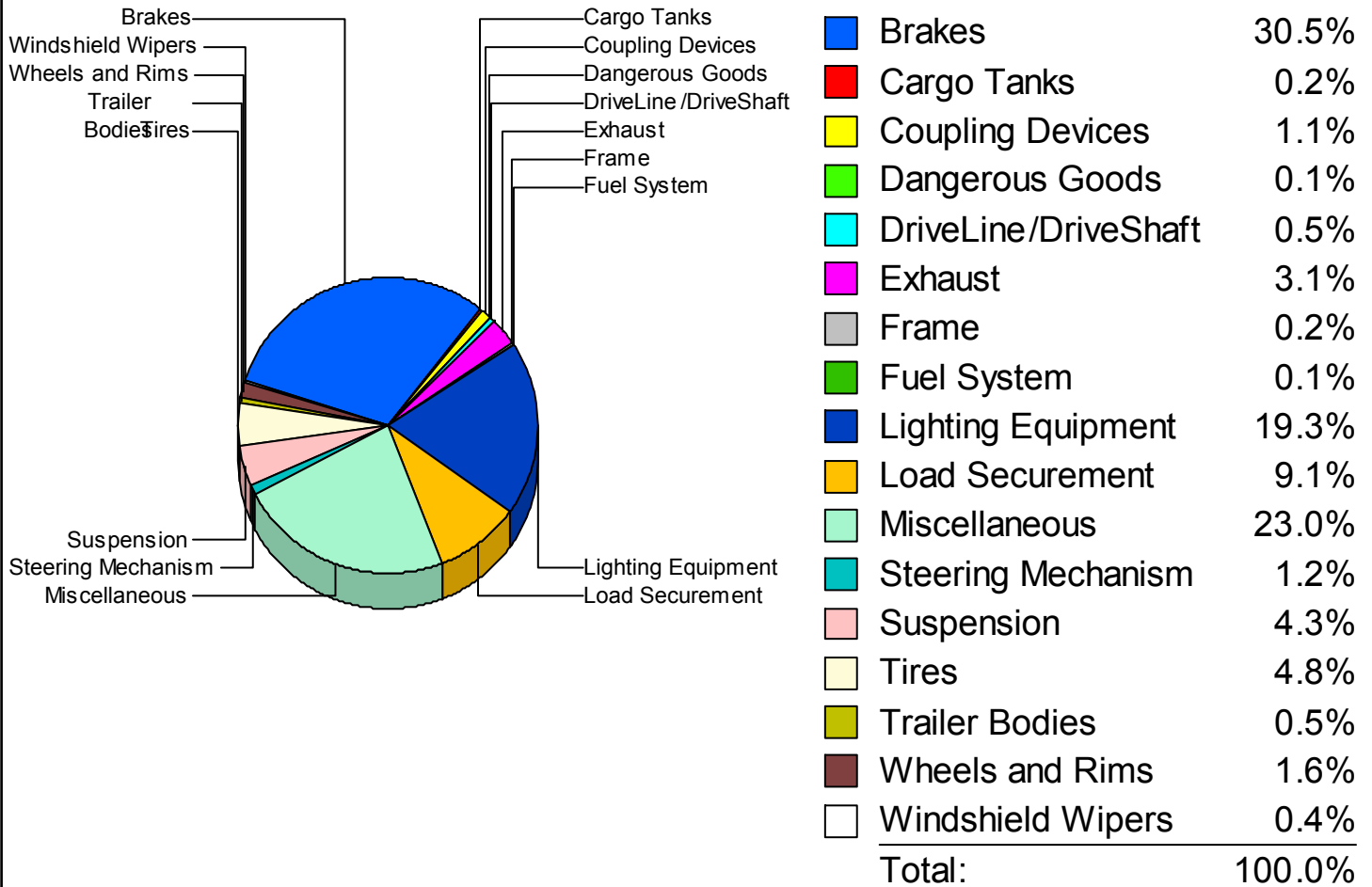
**Total Defects: 710**

**Total Reports: 502**

**Defects / Reports: 1.41**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	299
Cargo Tanks	2
Coupling Devices	11
Dangerous Goods	1
DriveLine/DriveShaft	5
Exhaust	30
Frame	2
Fuel System	1
Lighting Equipment	189
Load Securement	89
Miscellaneous	225
Steering Mechanism	12
Suspension	42
Tires	47
Trailer Bodies	5
Wheels and Rims	16
Windshield Wipers	4

Defect Category: Both  
 Total Defects: 980  
 Total Reports: 509  
 Defects / Reports: 1.93



# Number of Defects - CVSA Inspections '17

C5 - Limited Commercial Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	3
3	FASTENERS, STOPS, MOUNTING	2
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	5
6	LEAK, LOCATION	30
7	CROSS MEMBER-BROKEN, SAGGING	2
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	176
11	PROJECTING LOAD LAMPS, CLEARANCE	13
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	72
13	DUNNAGE, ANCHOR POINTS, FITTINGS	17
14	CHAMBERS, RESERVOIR, COMPRESSOR	23
15	HOSE, LINES, COUPLING, VALVES	42
16	LINING, DRUMS, DISCS	8
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	114
19	SLACK ADJUSTER, CAM SHAFT	13
20	PARK BRAKE, SPRING BRAKE	20
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	66
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	6
23	STEERING WHEEL, COLUMN, GEAR BOX	3
24	FRONT AXLE BEAM, PITMAN ARM	6
25	POWER STEERING, BALL / SOCKET JOINTS	3
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	28
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	9
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	5
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	4
34	BENT, BROKEN, CRACKED, LOOSE	9
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	7
37	INOPERATIVE, MISSING, DAMAGED	4
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	47
39	DANGEROUS GOODS	1
40	CARGO TANK	2
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	2
53	UNIVERSAL JOINT	2
54	CENTER BEARING - (CARRIER BEARING)	1
99	MISCELLANEOUS	225

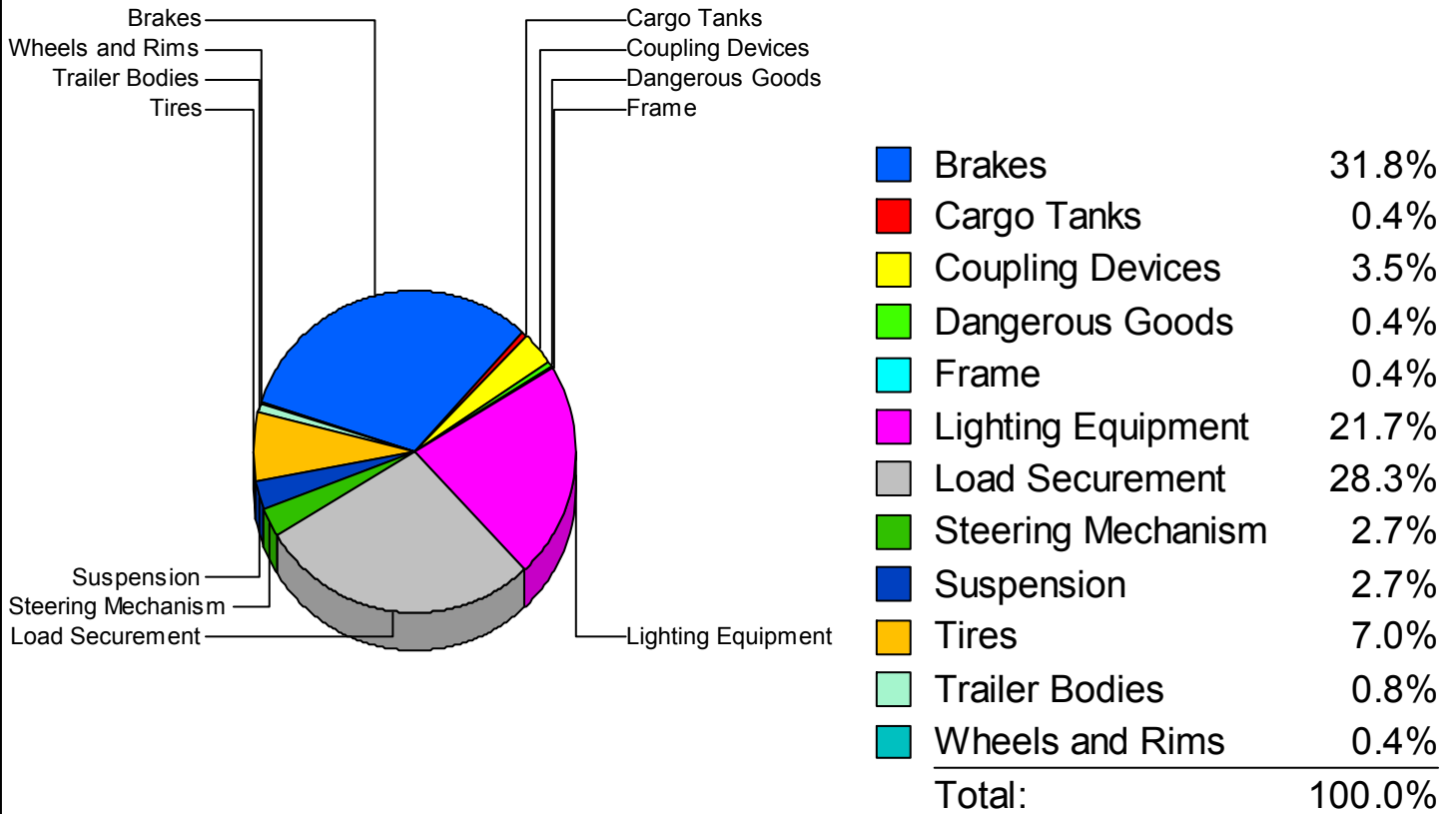
**Total Defects: 980**

**Total Reports: 509**

**Defects / Reports: 1.93**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	82
Cargo Tanks	1
Coupling Devices	9
Dangerous Goods	1
Frame	1
Lighting Equipment	56
Load Securement	73
Steering Mechanism	7
Suspension	7
Tires	18
Trailer Bodies	2
Wheels and Rims	1

Defect Category: Out of Service

Total Defects: 258

Total Reports: 174

Defects / Reports: 1.48

# Number of Defects - CVSA Inspections '17

C5 - Limited Commercial Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	3
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	5
7	CROSS MEMBER-BROKEN, SAGGING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	56
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	62
13	DUNNAGE, ANCHOR POINTS, FITTINGS	11
14	CHAMBERS, RESERVOIR, COMPRESSOR	7
15	HOSE, LINES, COUPLING, VALVES	11
16	LINING, DRUMS, DISCS	3
17	T.P. VALVE, L.A. WARNING DEVICE	6
18	AUDIBLE AIR LEAK, PUSH ROD	23
19	SLACK ADJUSTER, CAM SHAFT	7
20	PARK BRAKE, SPRING BRAKE	19
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
23	STEERING WHEEL, COLUMN, GEAR BOX	1
24	FRONT AXLE BEAM, PITMAN ARM	6
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	5
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
34	BENT, BROKEN, CRACKED, LOOSE	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	18
39	DANGEROUS GOODS	1
40	CARGO TANK	1

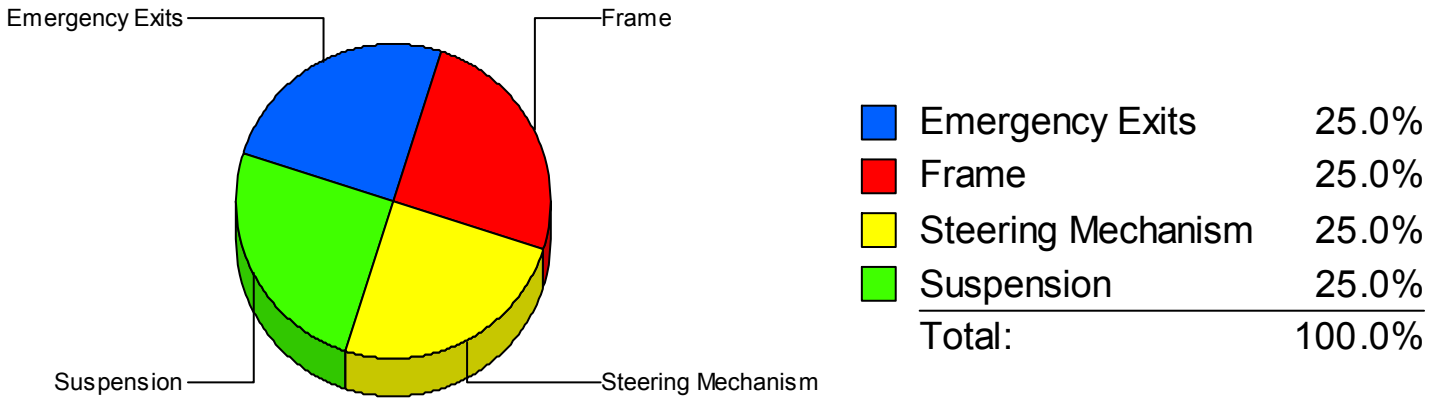
**Total Defects: 258**

**Total Reports: 174**

**Defects / Reports: 1.48**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Emergency Exits	1
Frame	1
Steering Mechanism	1
Suspension	1

Defect Category: Both

Total Defects: 4  
Total Reports: 30  
Defects / Reports: 0.13

# Number of Defects - CVSA Inspections '17

P2 - Public Service Bus - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
7	CROSS MEMBER-BROKEN, SAGGING	1
25	POWER STEERING, BALL / SOCKET JOINTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	1
41	EMERGENCY EXITS	1

**Total Defects: 4**

**Total Reports: 30**

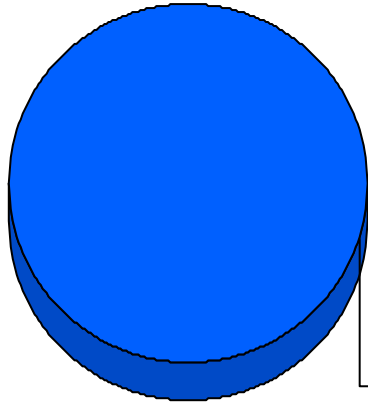
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**Defects / Reports: 0.13**

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# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



■	Emergency Exits	100.0%
<hr/>		
	Total:	100.0%

Emergency Exits

Emergency Exits	1
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Defect Category: Out of Service

Total Defects:	1
Total Reports:	1
Defects / Reports:	1.00

# Number of Defects - CVSA Inspections '17

P2 - Public Service Bus - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
41	EMERGENCY EXITS	1

Total Defects: 1

Total Reports: 1

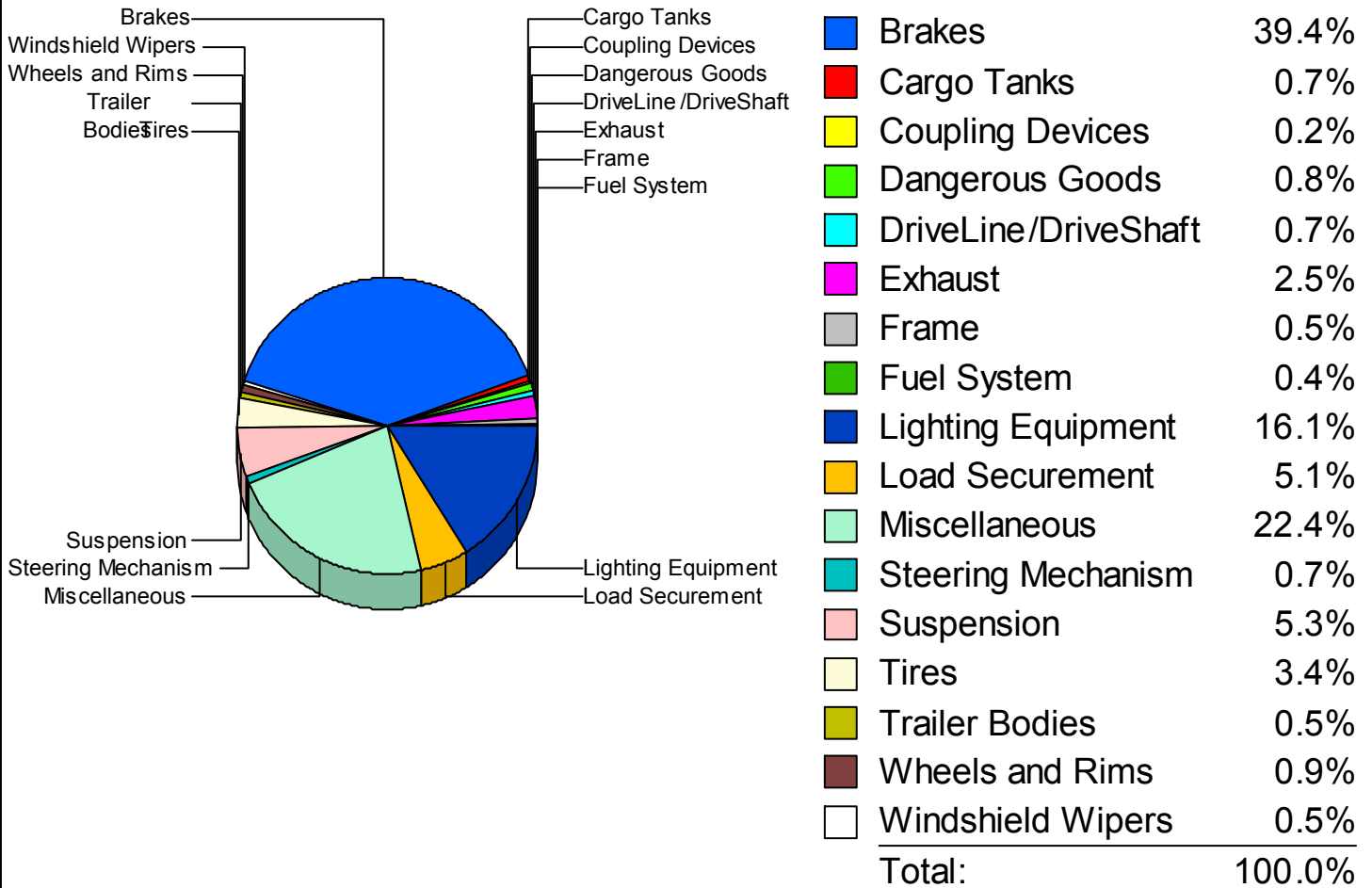
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Defects / Reports: 1.00

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# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1,015
Cargo Tanks	19
Coupling Devices	5
Dangerous Goods	20
DriveLine/DriveShaft	17
Exhaust	64
Frame	12
Fuel System	11
Lighting Equipment	415
Load Securement	131
Miscellaneous	577
Steering Mechanism	17
Suspension	137
Tires	88
Trailer Bodies	14
Wheels and Rims	24
Windshield Wipers	12

Defect Category: Both

Total Defects: 2,578

Total Reports: 2,257

Defects / Reports: 1.14



# Number of Defects - CVSA Inspections '17

P4 - Public Service Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
3	FASTENERS, STOPS, MOUNTING	5
6	LEAK, LOCATION	64
7	CROSS MEMBER-BROKEN, SAGGING	12
8	FUEL SYSTEM LEAK, CAP MISSING	9
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	383
11	PROJECTING LOAD LAMPS, CLEARANCE	32
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	107
13	DUNNAGE, ANCHOR POINTS, FITTINGS	24
14	CHAMBERS, RESERVOIR, COMPRESSOR	76
15	HOSE, LINES, COUPLING, VALVES	123
16	LINING, DRUMS, DISCS	36
17	T.P. VALVE, L.A. WARNING DEVICE	9
18	AUDIBLE AIR LEAK, PUSH ROD	358
19	SLACK ADJUSTER, CAM SHAFT	21
20	PARK BRAKE, SPRING BRAKE	15
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	372
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
23	STEERING WHEEL, COLUMN, GEAR BOX	4
24	FRONT AXLE BEAM, PITMAN ARM	6
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	6
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	97
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	14
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	26
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	5
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	7
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	19
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	5
37	INOPERATIVE, MISSING, DAMAGED	12
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	88
39	DANGEROUS GOODS	20
40	CARGO TANK	19
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	5
53	UNIVERSAL JOINT	6
54	CENTER BEARING - (CARRIER BEARING)	4
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	577

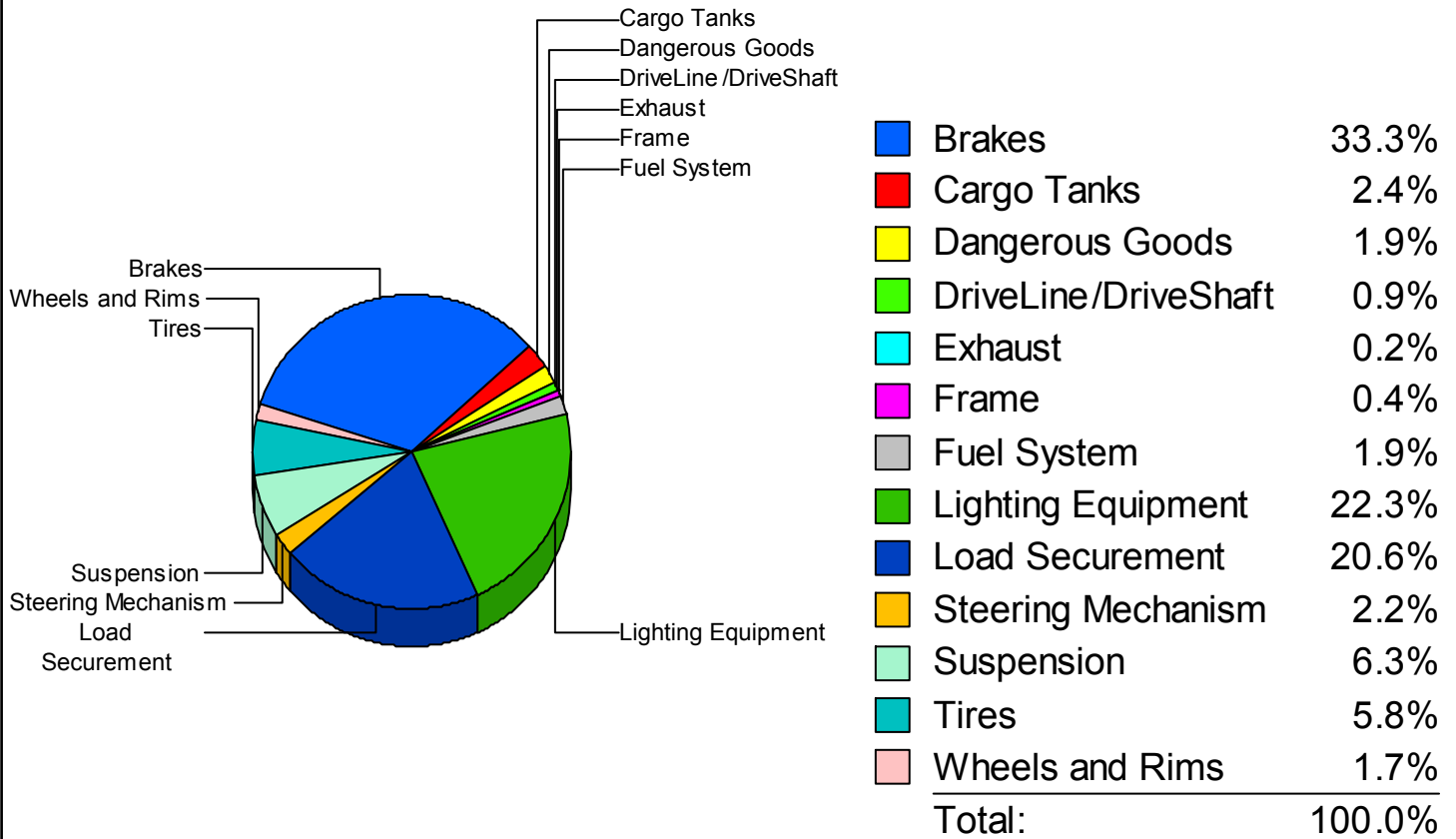
Total Defects: 2,578

Total Reports: 2,257

Defects / Reports: 1.14

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	154
Cargo Tanks	11
Dangerous Goods	9
DriveLine/DriveShaft	4
Exhaust	1
Frame	2
Fuel System	9
Lighting Equipment	103
Load Securement	95
Steering Mechanism	10
Suspension	29
Tires	27
Wheels and Rims	8

Defect Category: Out of Service

Total Defects: 462

Total Reports: 362

Defects / Reports: 1.28

# Number of Defects - CVSA Inspections '17

P4 - Public Service Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
6	LEAK, LOCATION	1
7	CROSS MEMBER-BROKEN, SAGGING	2
8	FUEL SYSTEM LEAK, CAP MISSING	7
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	102
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	76
13	DUNNAGE, ANCHOR POINTS, FITTINGS	19
14	CHAMBERS, RESERVOIR, COMPRESSOR	20
15	HOSE, LINES, COUPLING, VALVES	39
16	LINING, DRUMS, DISCS	5
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	58
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	13
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	4
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	4
23	STEERING WHEEL, COLUMN, GEAR BOX	1
24	FRONT AXLE BEAM, PITMAN ARM	6
26	TIE-RODS, DRAG LINKS, NUTS	3
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	15
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	6
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	8
34	BENT, BROKEN, CRACKED, LOOSE	5
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	27
39	DANGEROUS GOODS	9
40	CARGO TANK	11
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	3

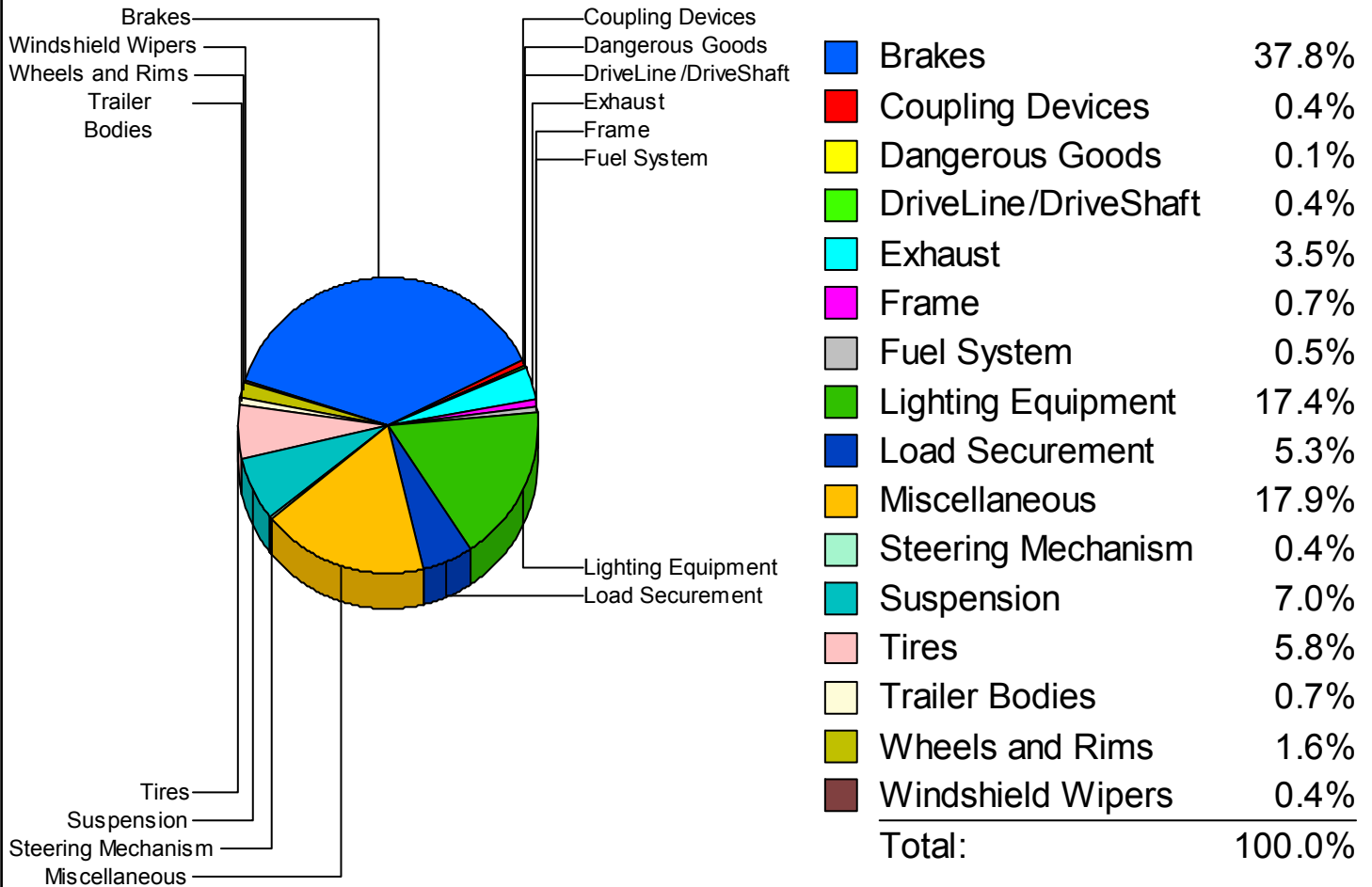
**Total Defects: 462**

**Total Reports: 362**

**Defects / Reports: 1.28**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	428
Coupling Devices	5
Dangerous Goods	1
DriveLine/DriveShaft	4
Exhaust	40
Frame	8
Fuel System	6
Lighting Equipment	197
Load Securement	60
Miscellaneous	202
Steering Mechanism	5
Suspension	79
Tires	66
Trailer Bodies	8
Wheels and Rims	18
Windshield Wipers	4

Defect Category: Both  
Total Defects: 1,131  
Total Reports: 414  
Defects / Reports: 2.73

# Number of Defects - CVSA Inspections '17

P8 - Limited Public Service Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	3
3	FASTENERS, STOPS, MOUNTING	1
6	LEAK, LOCATION	40
7	CROSS MEMBER-BROKEN, SAGGING	8
8	FUEL SYSTEM LEAK, CAP MISSING	6
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	186
11	PROJECTING LOAD LAMPS, CLEARANCE	11
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	43
13	DUNNAGE, ANCHOR POINTS, FITTINGS	17
14	CHAMBERS, RESERVOIR, COMPRESSOR	37
15	HOSE, LINES, COUPLING, VALVES	53
16	LINING, DRUMS, DISCS	19
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	158
19	SLACK ADJUSTER, CAM SHAFT	21
20	PARK BRAKE, SPRING BRAKE	10
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	121
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	2
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	2
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	59
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	4
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	16
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	6
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	9
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	6
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	4
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	66
39	DANGEROUS GOODS	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	3
99	MISCELLANEOUS	202

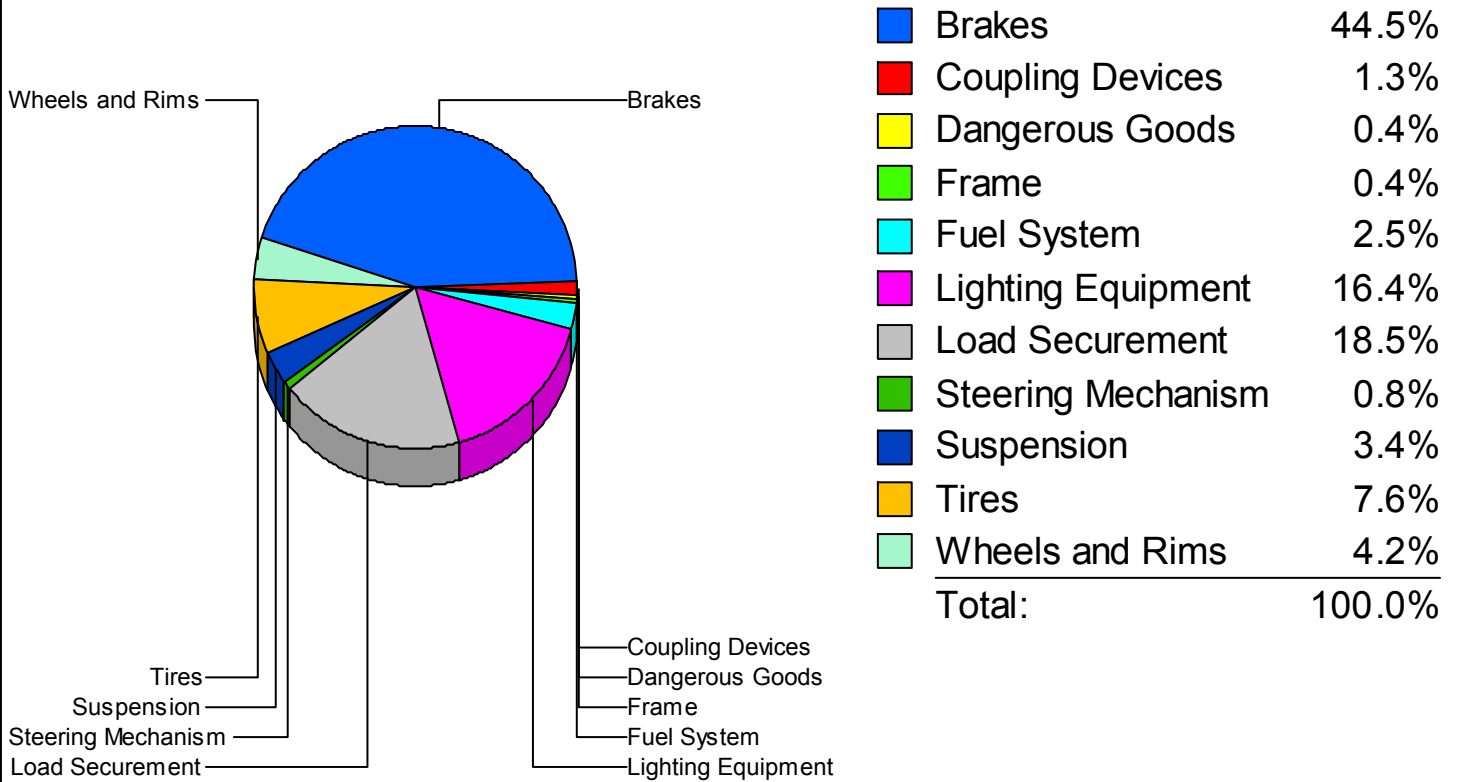
**Total Defects: 1,131**

**Total Reports: 414**

**Defects / Reports: 2.73**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	106
Coupling Devices	3
Dangerous Goods	1
Frame	1
Fuel System	6
Lighting Equipment	39
Load Securement	44
Steering Mechanism	2
Suspension	8
Tires	18
Wheels and Rims	10

Defect Category: Out of Service

Total Defects: 238

Total Reports: 140

Defects / Reports: 1.70

# Number of Defects - CVSA Inspections '17

P8 - Limited Public Service Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	2
3	FASTENERS, STOPS, MOUNTING	1
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	6
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	38
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	35
13	DUNNAGE, ANCHOR POINTS, FITTINGS	9
14	CHAMBERS, RESERVOIR, COMPRESSOR	15
15	HOSE, LINES, COUPLING, VALVES	13
16	LINING, DRUMS, DISCS	3
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	40
19	SLACK ADJUSTER, CAM SHAFT	12
20	PARK BRAKE, SPRING BRAKE	10
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	2
24	FRONT AXLE BEAM, PITMAN ARM	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	6
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	2
34	BENT, BROKEN, CRACKED, LOOSE	3
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
36	ELONGATED HOLES, WELDED REPAIRS	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	18
39	DANGEROUS GOODS	1

**Total Defects: 238**

**Total Reports: 140**

**Defects / Reports: 1.70**

# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



0.0%

Total: 100.0%

0

Defect Category: Both

Total Defects: 0

Total Reports: 0

Defects / Reports: 0.00



# Number of Defects - CVSA Inspections '17

X-Plate - Taxi - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
		0

Total Defects: 0

Total Reports: 0


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Defects / Reports: 0.00

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# 2017 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service

 0.0%  
Total: 100.0%

0

Defect Category: Out of Service

Total Defects: 0

Total Reports: 0

Defects / Reports: 0.00

# Number of Defects - CVSA Inspections '17

X-Plate - Taxi - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
		0

Total Defects: 0

Total Reports: 0

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Defects / Reports: 0.00

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for the purpose of duplex printing*

# Number of Defects - CVSA Inspections '17

Non NSC - Light Duty Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	7
6	LEAK, LOCATION	5
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	111
11	PROJECTING LOAD LAMPS, CLEARANCE	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	33
13	DUNNAGE, ANCHOR POINTS, FITTINGS	6
14	CHAMBERS, RESERVOIR, COMPRESSOR	5
15	HOSE, LINES, COUPLING, VALVES	2
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	9
20	PARK BRAKE, SPRING BRAKE	25
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	11
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	27
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	4
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
34	BENT, BROKEN, CRACKED, LOOSE	1
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	27
39	DANGEROUS GOODS	5
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	1
99	MISCELLANEOUS	95

**Total Defects: 386**

**Total Reports: 197**

**Defects / Reports: 1.96**

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# Number of Defects - CVSA Inspections '17

Non NSC - Light Duty Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	5
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	67
11	PROJECTING LOAD LAMPS, CLEARANCE	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	29
13	DUNNAGE, ANCHOR POINTS, FITTINGS	4
14	CHAMBERS, RESERVOIR, COMPRESSOR	3
20	PARK BRAKE, SPRING BRAKE	24
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	25
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	1
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	1
34	BENT, BROKEN, CRACKED, LOOSE	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	18
39	DANGEROUS GOODS	2

**Total Defects: 184**

**Total Reports: 100**

**Defects / Reports: 1.84**