

**MANITOBA  
INFRASTRUCTURE**

**2016 CVSA INSPECTIONS**

**January 01, 2016 - December 31, 2016**

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# 2016 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 it's 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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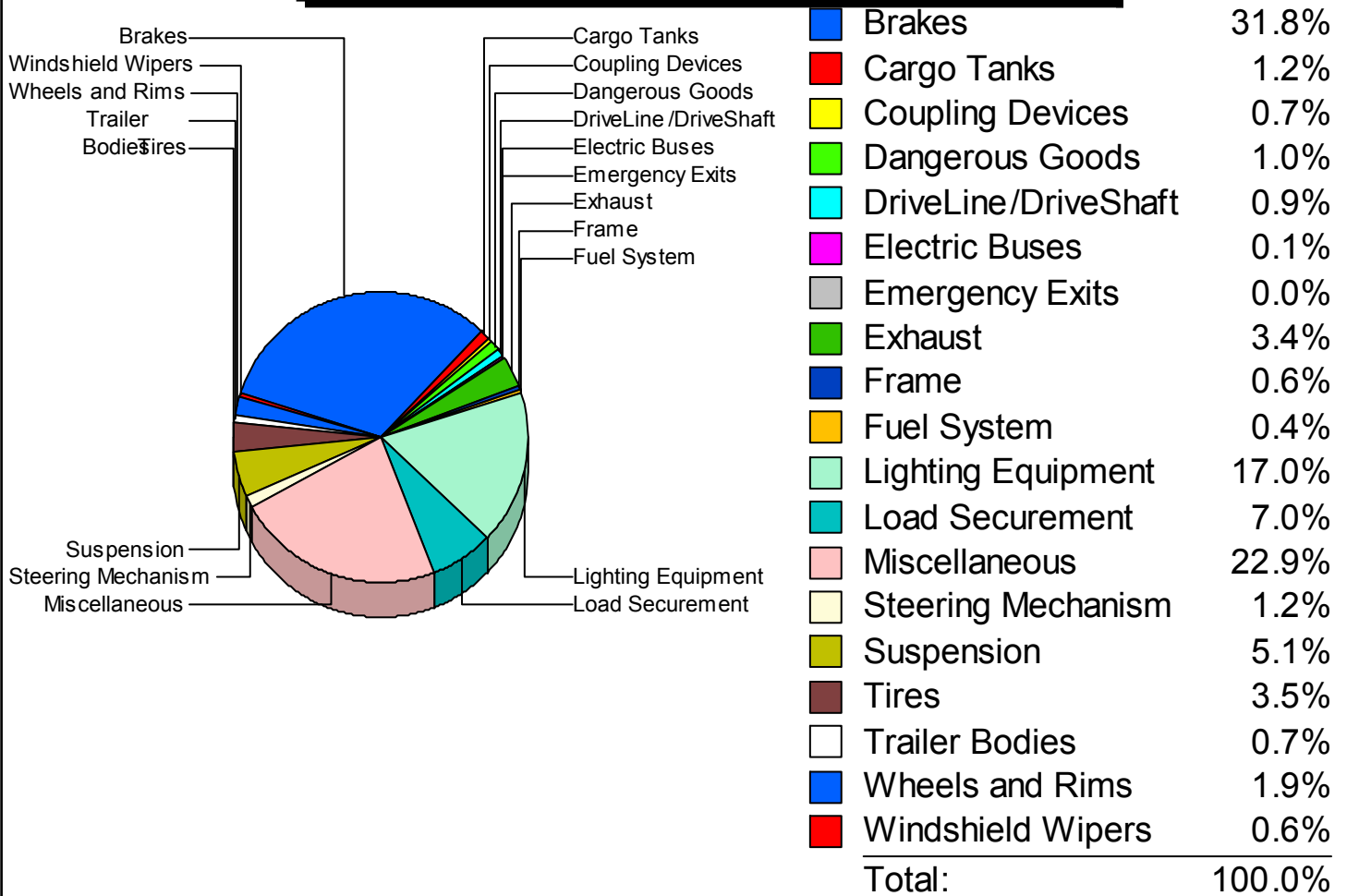
# 2016 CVSA INSPECTIONS

## Results by Base Jurisdiction

Truck Jurisdiction	Inspection Result			Total	Percentage (%)
	Pass	Fail	OOS		
ALABAMA	1	0	0	1	0.03%
ALBERTA	101	60	45	206	5.19%
ARIZONA	3	0	2	5	0.13%
BRITISH COLUMBIA	32	22	23	77	1.94%
CALIFORNIA	1	1	0	2	0.05%
FLORIDA	1	0	0	1	0.03%
IDAHO	0	1	0	1	0.03%
ILLINOIS	15	8	2	25	0.63%
INDIANA	7	3	2	12	0.30%
IOWA	1	0	0	1	0.03%
KANSAS	1	0	0	1	0.03%
KENTUCKY	0	0	1	1	0.03%
MANITOBA	1,421	822	800	3,043	76.65%
MICHIGAN	0	0	1	1	0.03%
MINNESOTA	23	16	7	46	1.16%
MISSISSIPPI	1	1	0	2	0.05%
MISSOURI	1	1	0	2	0.05%
MONTANA	0	2	0	2	0.05%
NEBRASKA	1	0	0	1	0.03%
NEW BRUNSWICK	23	12	5	40	1.01%
NORTH DAKOTA	28	11	14	53	1.34%
OKLAHOMA	1	0	0	1	0.03%
ONTARIO	124	73	46	243	6.12%
PENNSYLVANIA	1	0	0	1	0.03%
QUEBEC	9	8	9	26	0.65%
SASKATCHEWAN	55	62	35	152	3.83%
SOUTH CAROLINA	0	0	1	1	0.03%
SOUTH DAKOTA	0	0	1	1	0.03%
TENNESSEE	4	2	0	6	0.15%
TEXAS	1	0	3	4	0.10%
WISCONSIN	8	2	1	11	0.28%
WYOMING	1	0	0	1	0.03%
<b>TOTALS</b>	<b>1,865</b>	<b>1,107</b>	<b>998</b>	<b>3,970</b>	<b>100%</b>
Percentage(%)	46.98%	27.88%	25.14%	100%	

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1,735
Cargo Tanks	66
Coupling Devices	37
Dangerous Goods	53
DriveLine/DriveShaft	50
Electric Buses	3
Emergency Exits	1
Exhaust	185
Frame	33
Fuel System	21
Lighting Equipment	927
Load Securement	381
Miscellaneous	1,248
Steering Mechanism	67
Suspension	279
Tires	188
Trailer Bodies	39
Wheels and Rims	101
Windshield Wipers	34

Defect Category: Both

Total Defects: 5,448

Total Reports: 3,970

Defects / Reports: 1.37

# Number of Defects - CVSA Inspections '16

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	3
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	8
3	FASTENERS, STOPS, MOUNTING	8
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	16
6	LEAK, LOCATION	185
7	CROSS MEMBER-BROKEN, SAGGING	33
8	FUEL SYSTEM LEAK, CAP MISSING	17
9	UNSECURED TANK	4
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	854
11	PROJECTING LOAD LAMPS, CLEARANCE	73
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	316
13	DUNNAGE, ANCHOR POINTS, FITTINGS	65
14	CHAMBERS, RESERVOIR, COMPRESSOR	113
15	HOSE, LINES, COUPLING, VALVES	274
16	LINING, DRUMS, DISCS	35
17	T.P. VALVE, L.A. WARNING DEVICE	33
18	AUDIBLE AIR LEAK, PUSH ROD	606
19	SLACK ADJUSTER, CAM SHAFT	44
20	PARK BRAKE, SPRING BRAKE	150
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	406
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	74
23	STEERING WHEEL, COLUMN, GEAR BOX	20
24	FRONT AXLE BEAM, PITMAN ARM	13
25	POWER STEERING, BALL / SOCKET JOINTS	18
26	TIE-RODS, DRAG LINKS, NUTS	15
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	175
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	34
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	70
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	13
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	20
33	SIDE PANELS - BAY AREA DAMAGE	6
34	BENT, BROKEN, CRACKED, LOOSE	52
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	46
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	34
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	188
39	DANGEROUS GOODS	53
40	CARGO TANK	66
41	EMERGENCY EXITS	1
42	ELECTICAL (BUSES)	3
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	14
53	UNIVERSAL JOINT	22
54	CENTER BEARING - (CARRIER BEARING)	12
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	1,248

**Total Defects: 5,448**

**Total Reports: 3,970**

**Defects / Reports: 1.37**

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# Number of Defects - CVSA Inspections '16

Manitoba  
Infrastructure



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
99	MISCELLANEOUS	281

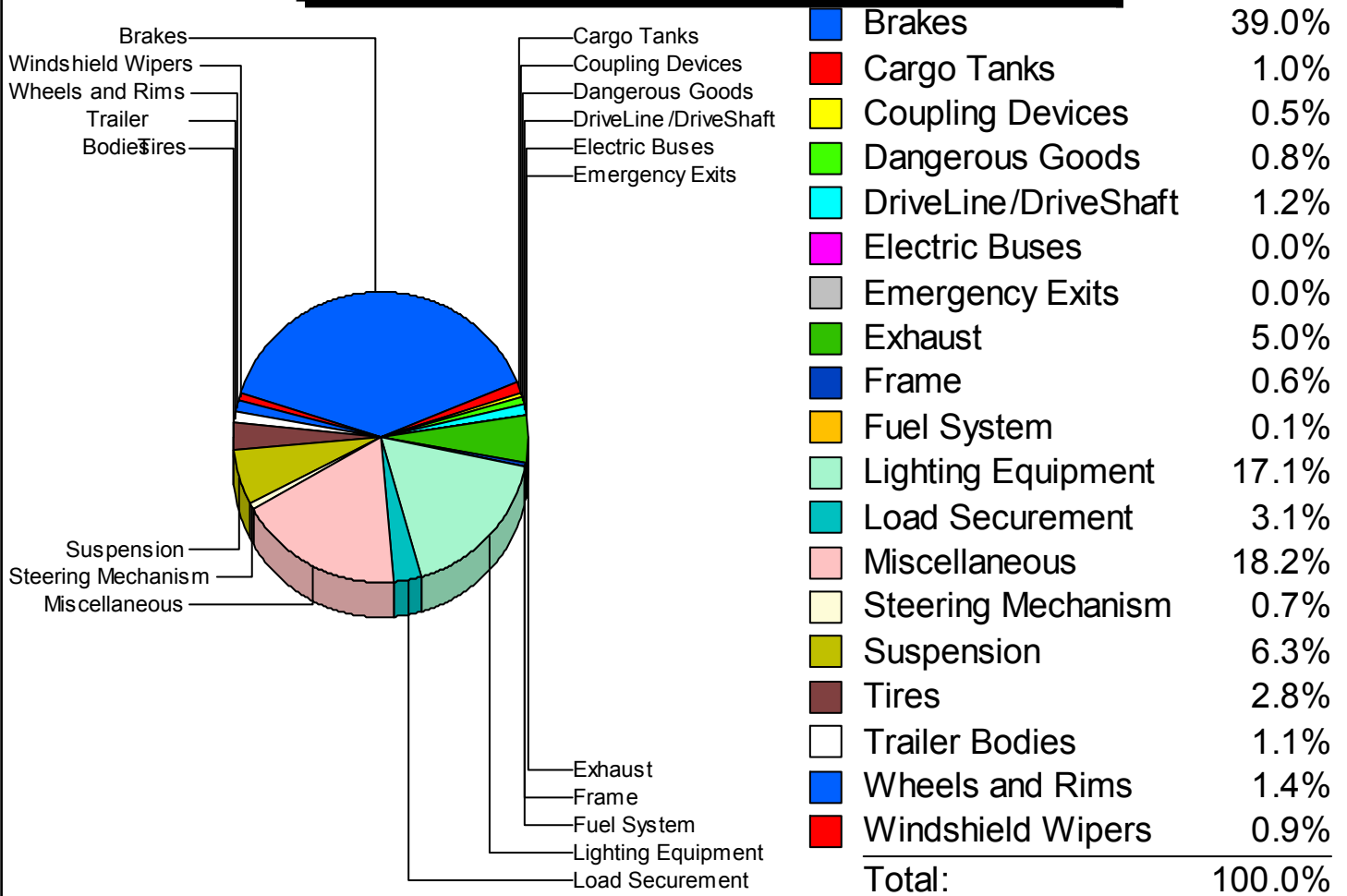
**Total Defects: 281**

**Total Reports: 1,865**

**Defects / Reports: 0.15**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	804
Cargo Tanks	21
Coupling Devices	10
Dangerous Goods	17
DriveLine/DriveShaft	25
Electric Buses	1
Emergency Exits	1
Exhaust	104
Frame	12
Fuel System	2
Lighting Equipment	353
Load Securement	63
Miscellaneous	376
Steering Mechanism	14
Suspension	131
Tires	58
Trailer Bodies	23
Wheels and Rims	29
Windshield Wipers	19

Defect Category: Fail Conditional

Total Defects: 2,063

Total Reports: 1,107

Defects / Reports: 1.86

# Number of Defects - CVSA Inspections '16

Manitoba  
Infrastructure



Category: Fail Conditional

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	4
3	FASTENERS, STOPS, MOUNTING	4
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	104
7	CROSS MEMBER-BROKEN, SAGGING	12
8	FUEL SYSTEM LEAK, CAP MISSING	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	312
11	PROJECTING LOAD LAMPS, CLEARANCE	41
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	37
13	DUNNAGE, ANCHOR POINTS, FITTINGS	26
14	CHAMBERS, RESERVOIR, COMPRESSOR	48
15	HOSE, LINES, COUPLING, VALVES	130
16	LINING, DRUMS, DISCS	9
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	345
19	SLACK ADJUSTER, CAM SHAFT	18
20	PARK BRAKE, SPRING BRAKE	5
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	243
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	1
23	STEERING WHEEL, COLUMN, GEAR BOX	3
25	POWER STEERING, BALL / SOCKET JOINTS	6
26	TIE-RODS, DRAG LINKS, NUTS	4
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	88
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	15
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	28
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	7
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	13
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	19
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	10
37	INOPERATIVE, MISSING, DAMAGED	19
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	58
39	DANGEROUS GOODS	17
40	CARGO TANK	21
41	EMERGENCY EXITS	1
42	ELECTICAL (BUSES)	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	7
53	UNIVERSAL JOINT	8
54	CENTER BEARING - (CARRIER BEARING)	8
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	376

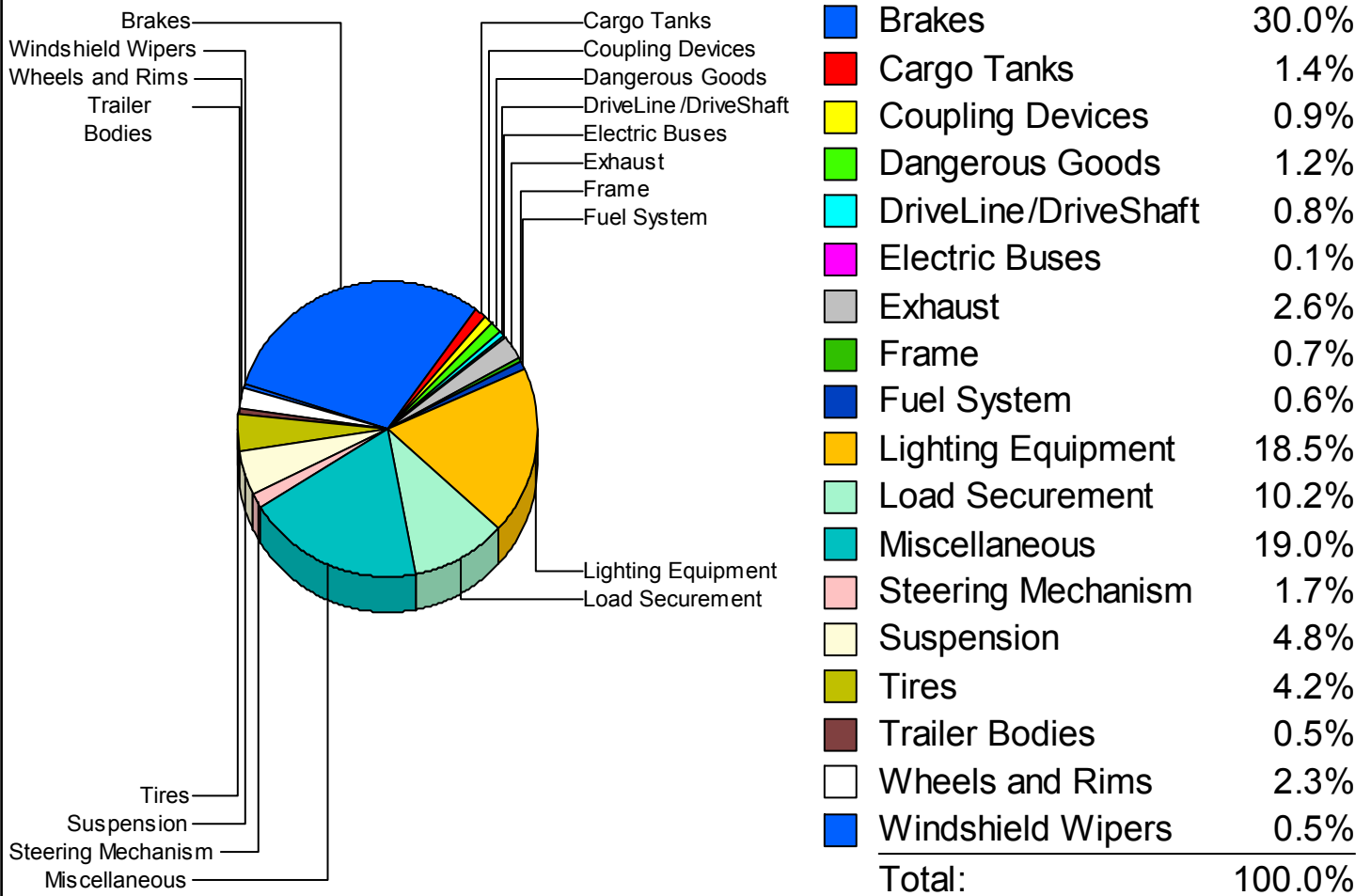
**Total Defects: 2,063**

**Total Reports: 1,107**

**Defects / Reports: 1.86**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	931
Cargo Tanks	45
Coupling Devices	27
Dangerous Goods	36
DriveLine/DriveShaft	25
Electric Buses	2
Exhaust	81
Frame	21
Fuel System	19
Lighting Equipment	574
Load Securement	318
Miscellaneous	591
Steering Mechanism	53
Suspension	148
Tires	130
Trailer Bodies	16
Wheels and Rims	72
Windshield Wipers	15

Defect Category: Both

Total Defects: 3,104

Total Reports: 998

Defects / Reports: 3.11

# Number of Defects - CVSA Inspections '16

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	4
3	FASTENERS, STOPS, MOUNTING	4
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	15
6	LEAK, LOCATION	81
7	CROSS MEMBER-BROKEN, SAGGING	21
8	FUEL SYSTEM LEAK, CAP MISSING	15
9	UNSECURED TANK	4
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	542
11	PROJECTING LOAD LAMPS, CLEARANCE	32
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	279
13	DUNNAGE, ANCHOR POINTS, FITTINGS	39
14	CHAMBERS, RESERVOIR, COMPRESSOR	65
15	HOSE, LINES, COUPLING, VALVES	144
16	LINING, DRUMS, DISCS	26
17	T.P. VALVE, L.A. WARNING DEVICE	28
18	AUDIBLE AIR LEAK, PUSH ROD	261
19	SLACK ADJUSTER, CAM SHAFT	26
20	PARK BRAKE, SPRING BRAKE	145
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	163
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	73
23	STEERING WHEEL, COLUMN, GEAR BOX	17
24	FRONT AXLE BEAM, PITMAN ARM	13
25	POWER STEERING, BALL / SOCKET JOINTS	12
26	TIE-RODS, DRAG LINKS, NUTS	11
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	87
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	19
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	42
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	6
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	7
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	33
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	36
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	15
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	130
39	DANGEROUS GOODS	36
40	CARGO TANK	45
42	ELECTICAL (BUSES)	2
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	7
53	UNIVERSAL JOINT	14
54	CENTER BEARING - (CARRIER BEARING)	4
99	MISCELLANEOUS	591

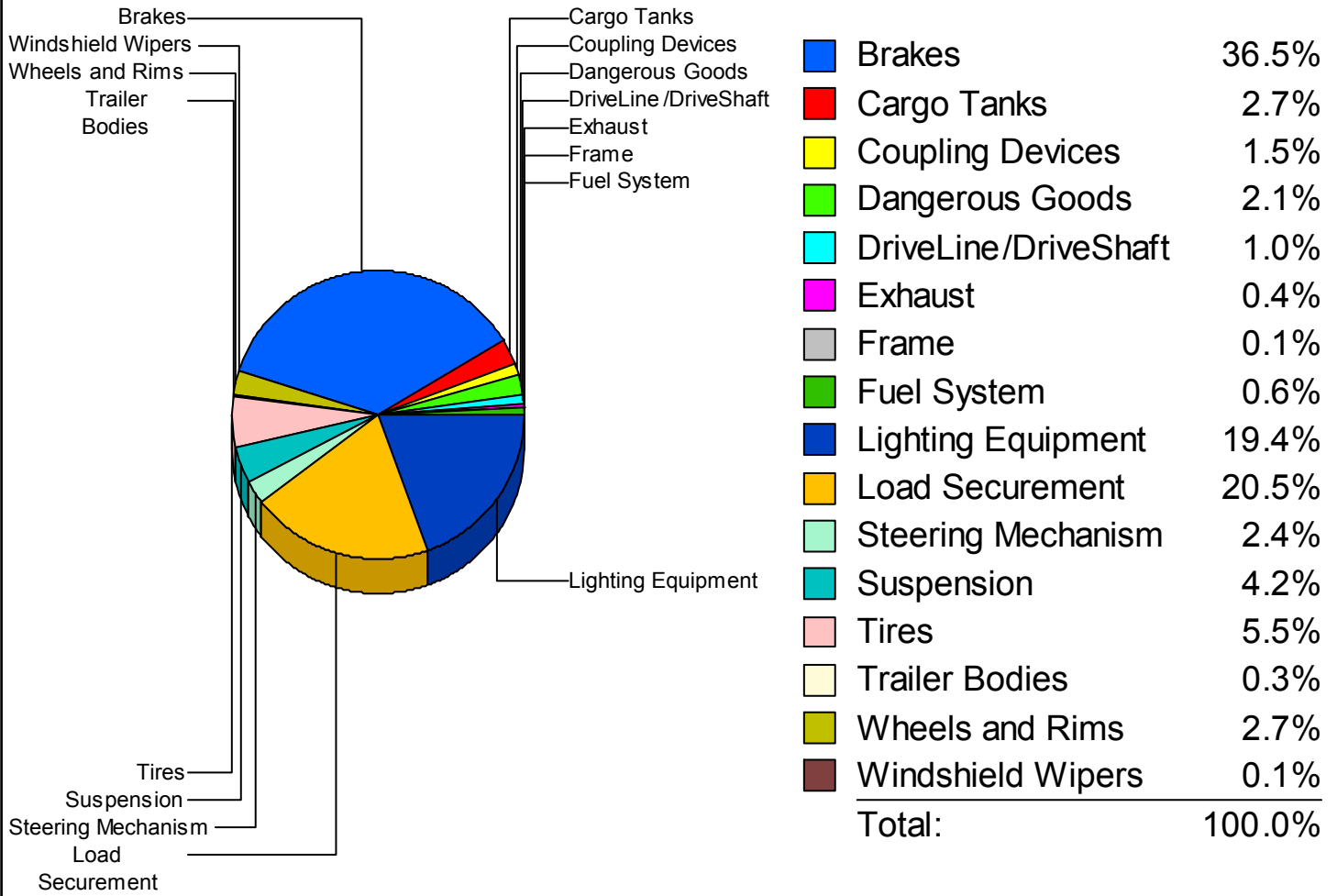
**Total Defects: 3,104**

**Total Reports: 998**

**Defects / Reports: 3.11**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	506
Cargo Tanks	37
Coupling Devices	21
Dangerous Goods	29
DriveLine/DriveShaft	14
Exhaust	5
Frame	2
Fuel System	9
Lighting Equipment	269
Load Securement	284
Steering Mechanism	33
Suspension	58
Tires	76
Trailer Bodies	4
Wheels and Rims	38
Windshield Wipers	1

Defect Category: Out of Service

Total Defects: 1,386

Total Reports: 998

Defects / Reports: 1.39

# Number of Defects - CVSA Inspections '16

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

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	4
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	13
6	LEAK, LOCATION	5
7	CROSS MEMBER-BROKEN, SAGGING	2
8	FUEL SYSTEM LEAK, CAP MISSING	8
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	264
11	PROJECTING LOAD LAMPS, CLEARANCE	5
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	254
13	DUNNAGE, ANCHOR POINTS, FITTINGS	30
14	CHAMBERS, RESERVOIR, COMPRESSOR	39
15	HOSE, LINES, COUPLING, VALVES	69
16	LINING, DRUMS, DISCS	20
17	T.P. VALVE, L.A. WARNING DEVICE	23
18	AUDIBLE AIR LEAK, PUSH ROD	119
19	SLACK ADJUSTER, CAM SHAFT	18
20	PARK BRAKE, SPRING BRAKE	138
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	12
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	68
23	STEERING WHEEL, COLUMN, GEAR BOX	8
24	FRONT AXLE BEAM, PITMAN ARM	11
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	10
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	37
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	6
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	15
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
34	BENT, BROKEN, CRACKED, LOOSE	18
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	18
36	ELONGATED HOLES, WELDED REPAIRS	2
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	76
39	DANGEROUS GOODS	29
40	CARGO TANK	37
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
53	UNIVERSAL JOINT	10
54	CENTER BEARING - (CARRIER BEARING)	1

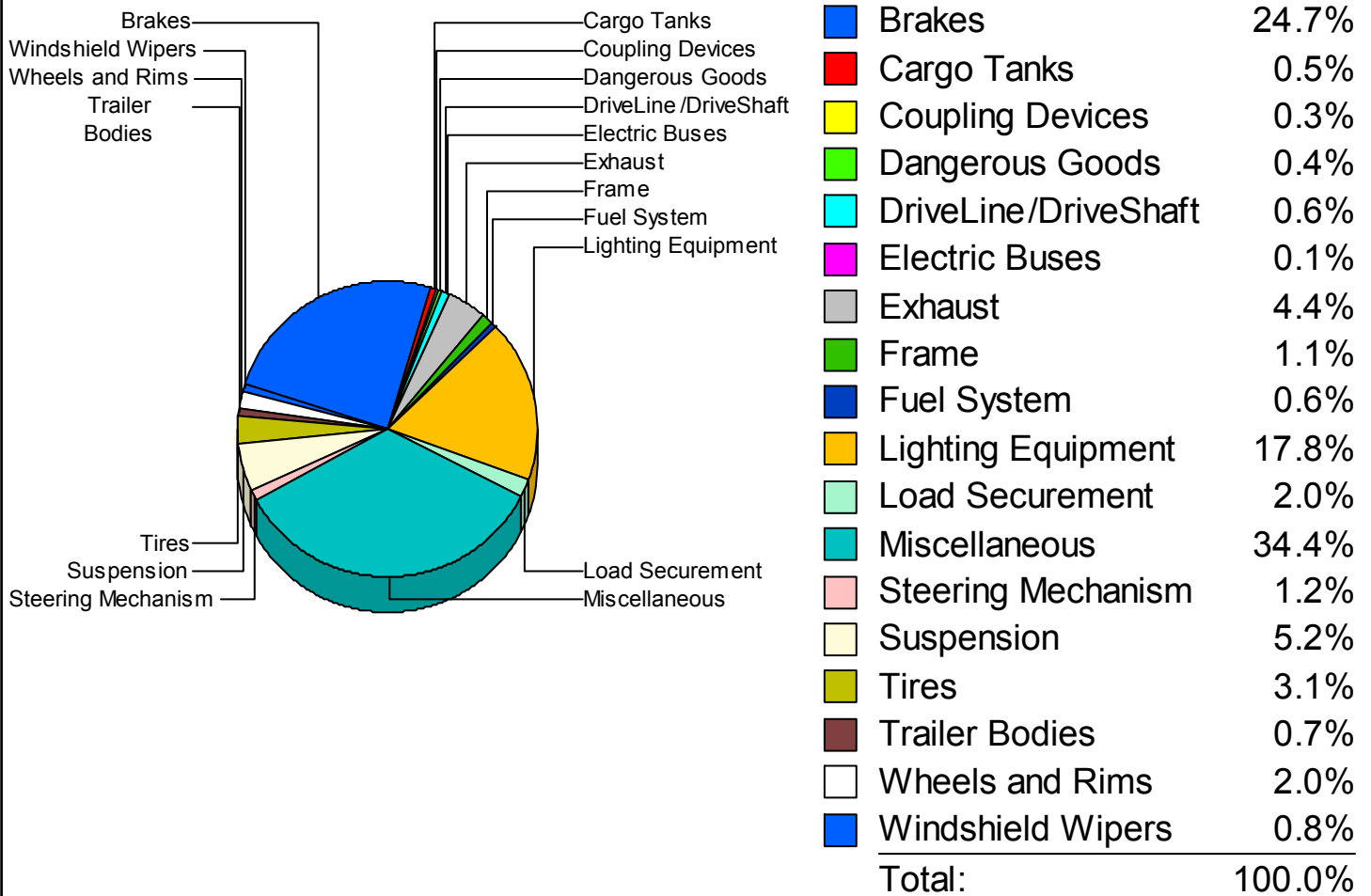
**Total Defects: 1,386**

**Total Reports: 998**

**Defects / Reports: 1.39**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	425
Cargo Tanks	8
Coupling Devices	6
Dangerous Goods	7
DriveLine/DriveShaft	11
Electric Buses	2
Exhaust	76
Frame	19
Fuel System	10
Lighting Equipment	305
Load Securement	34
Miscellaneous	591
Steering Mechanism	20
Suspension	90
Tires	54
Trailer Bodies	12
Wheels and Rims	34
Windshield Wipers	14

Defect Category: Fail Conditional

Total Defects: 1,718

Total Reports: 998

Defects / Reports: 1.72



# Number of Defects - CVSA Inspections '16

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	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	2
6	LEAK, LOCATION	76
7	CROSS MEMBER-BROKEN, SAGGING	19
8	FUEL SYSTEM LEAK, CAP MISSING	7
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	278
11	PROJECTING LOAD LAMPS, CLEARANCE	27
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	25
13	DUNNAGE, ANCHOR POINTS, FITTINGS	9
14	CHAMBERS, RESERVOIR, COMPRESSOR	26
15	HOSE, LINES, COUPLING, VALVES	75
16	LINING, DRUMS, DISCS	6
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	142
19	SLACK ADJUSTER, CAM SHAFT	8
20	PARK BRAKE, SPRING BRAKE	7
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	151
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
23	STEERING WHEEL, COLUMN, GEAR BOX	9
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	8
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	50
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	13
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
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	15
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	18
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	14
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	54
39	DANGEROUS GOODS	7
40	CARGO TANK	8
42	ELECTICAL (BUSES)	2
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	4
53	UNIVERSAL JOINT	4
54	CENTER BEARING - (CARRIER BEARING)	3
99	MISCELLANEOUS	591

**Total Defects: 1,718**

**Total Reports: 998**

**Defects / Reports: 1.72**

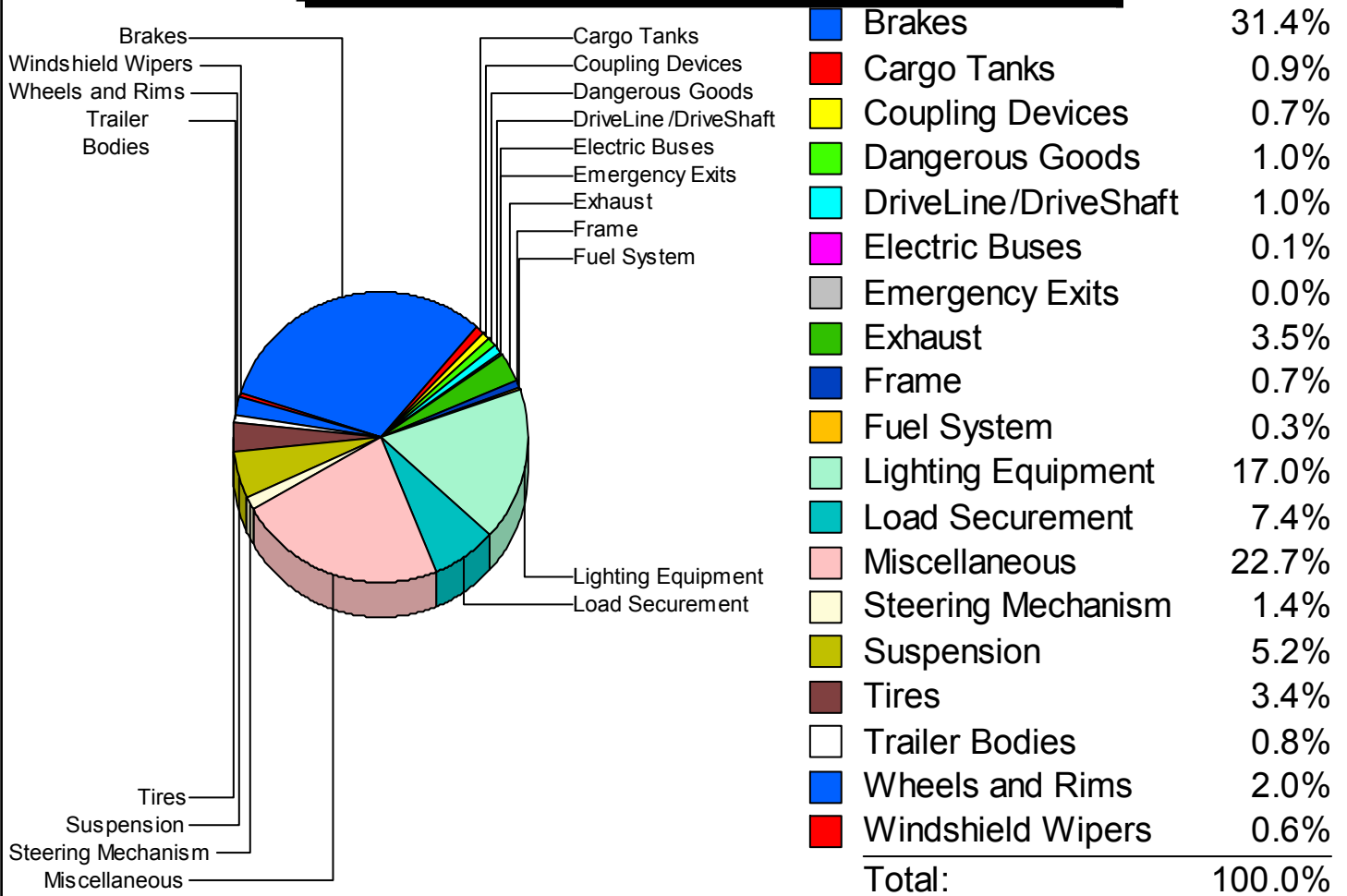
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**2016 CVSA INSPECTIONS**  
 Inspection Results For Manitoba Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	1,421	822	800	3,043
Percentage of Reports	46.70%	27.01%	26.29%	100%
Defects	238	1,602	2,604	4,444
Defects per Report	0.17	1.95	3.26	1.46

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1,396
Cargo Tanks	41
Coupling Devices	33
Dangerous Goods	44
DriveLine/DriveShaft	45
Electric Buses	3
Emergency Exits	1
Exhaust	154
Frame	32
Fuel System	15
Lighting Equipment	754
Load Securement	327
Miscellaneous	1,007
Steering Mechanism	62
Suspension	229
Tires	152
Trailer Bodies	34
Wheels and Rims	90
Windshield Wipers	25

Defect Category: Both

Total Defects: 4,444

Total Reports: 3,043

Defects / Reports: 1.46

# Number of Defects - CVSA Inspections '16

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	8
3	FASTENERS, STOPS, MOUNTING	7
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	14
6	LEAK, LOCATION	154
7	CROSS MEMBER-BROKEN, SAGGING	32
8	FUEL SYSTEM LEAK, CAP MISSING	12
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	691
11	PROJECTING LOAD LAMPS, CLEARANCE	63
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	265
13	DUNNAGE, ANCHOR POINTS, FITTINGS	62
14	CHAMBERS, RESERVOIR, COMPRESSOR	95
15	HOSE, LINES, COUPLING, VALVES	219
16	LINING, DRUMS, DISCS	30
17	T.P. VALVE, L.A. WARNING DEVICE	26
18	AUDIBLE AIR LEAK, PUSH ROD	494
19	SLACK ADJUSTER, CAM SHAFT	34
20	PARK BRAKE, SPRING BRAKE	144
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	287
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	67
23	STEERING WHEEL, COLUMN, GEAR BOX	18
24	FRONT AXLE BEAM, PITMAN ARM	13
25	POWER STEERING, BALL / SOCKET JOINTS	18
26	TIE-RODS, DRAG LINKS, NUTS	12
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	147
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	31
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	51
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	10
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	19
33	SIDE PANELS - BAY AREA DAMAGE	5
34	BENT, BROKEN, CRACKED, LOOSE	45
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	42
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	25
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	152
39	DANGEROUS GOODS	44
40	CARGO TANK	41
41	EMERGENCY EXITS	1
42	ELECTICAL (BUSES)	3
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	11
53	UNIVERSAL JOINT	22
54	CENTER BEARING - (CARRIER BEARING)	10
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	1,007

**Total Defects: 4,444**

**Total Reports: 3,043**

**Defects / Reports: 1.46**

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# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
99	MISCELLANEOUS	238

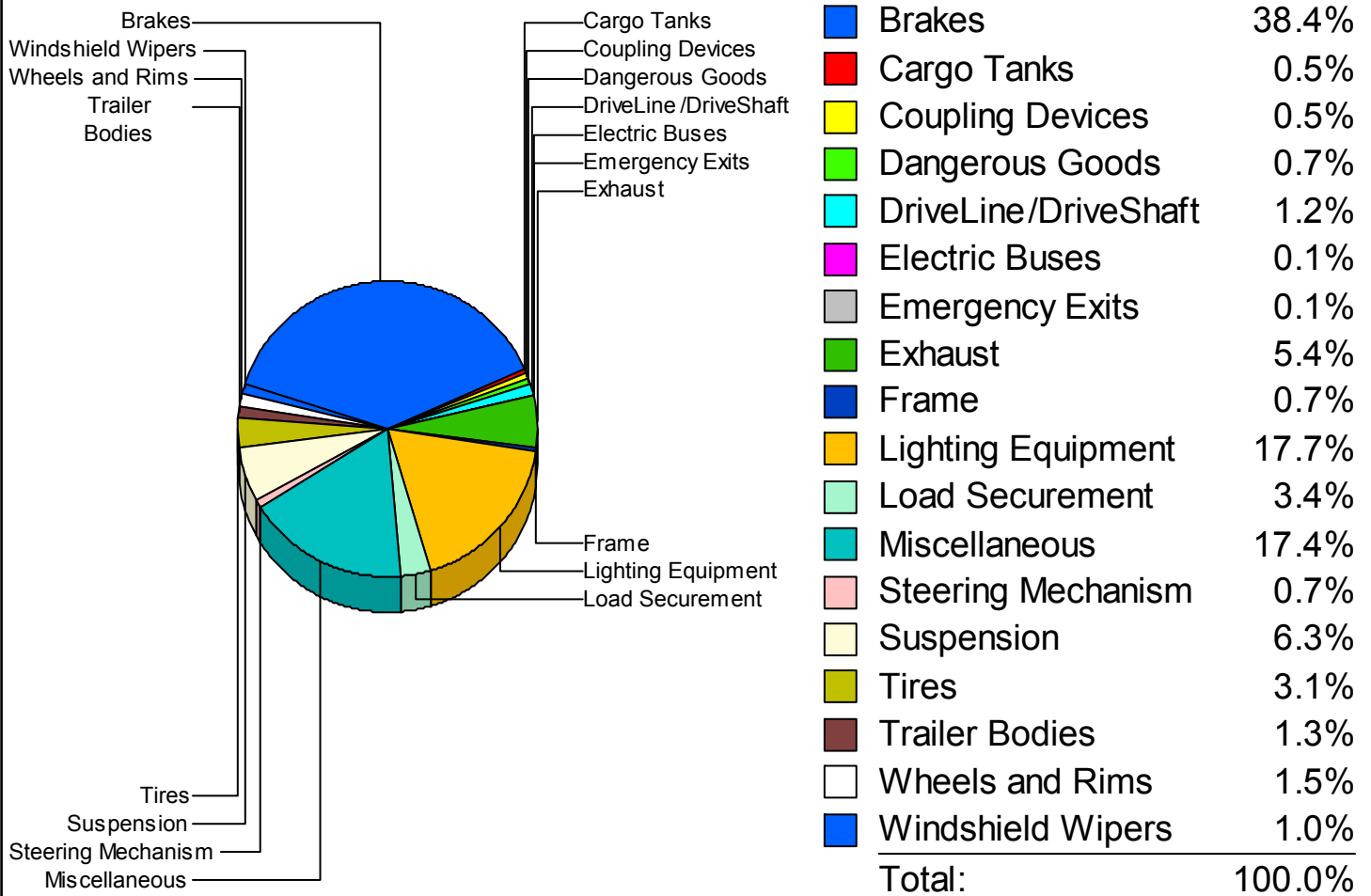
**Total Defects: 238**

**Total Reports: 1,421**

**Defects / Reports: 0.17**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	615
Cargo Tanks	8
Coupling Devices	8
Dangerous Goods	12
DriveLine/DriveShaft	20
Electric Buses	1
Emergency Exits	1
Exhaust	86
Frame	11
Lighting Equipment	284
Load Securement	54
Miscellaneous	279
Steering Mechanism	12
Suspension	101
Tires	49
Trailer Bodies	21
Wheels and Rims	24
Windshield Wipers	16

Defect Category: Fail Conditional

Total Defects: 1,602

Total Reports: 822

Defects / Reports: 1.95



# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	4
3	FASTENERS, STOPS, MOUNTING	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	86
7	CROSS MEMBER-BROKEN, SAGGING	11
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	249
11	PROJECTING LOAD LAMPS, CLEARANCE	35
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	28
13	DUNNAGE, ANCHOR POINTS, FITTINGS	26
14	CHAMBERS, RESERVOIR, COMPRESSOR	37
15	HOSE, LINES, COUPLING, VALVES	114
16	LINING, DRUMS, DISCS	7
17	T.P. VALVE, L.A. WARNING DEVICE	4
18	AUDIBLE AIR LEAK, PUSH ROD	276
19	SLACK ADJUSTER, CAM SHAFT	14
20	PARK BRAKE, SPRING BRAKE	5
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	157
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	1
23	STEERING WHEEL, COLUMN, GEAR BOX	2
25	POWER STEERING, BALL / SOCKET JOINTS	6
26	TIE-RODS, DRAG LINKS, NUTS	3
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	72
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	12
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	17
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	7
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	12
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	16
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	8
37	INOPERATIVE, MISSING, DAMAGED	16
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	49
39	DANGEROUS GOODS	12
40	CARGO TANK	8
41	EMERGENCY EXITS	1
42	ELECTICAL (BUSES)	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	4
53	UNIVERSAL JOINT	8
54	CENTER BEARING - (CARRIER BEARING)	6
55	DRIVESHAFT TUBE	2
99	MISCELLANEOUS	279

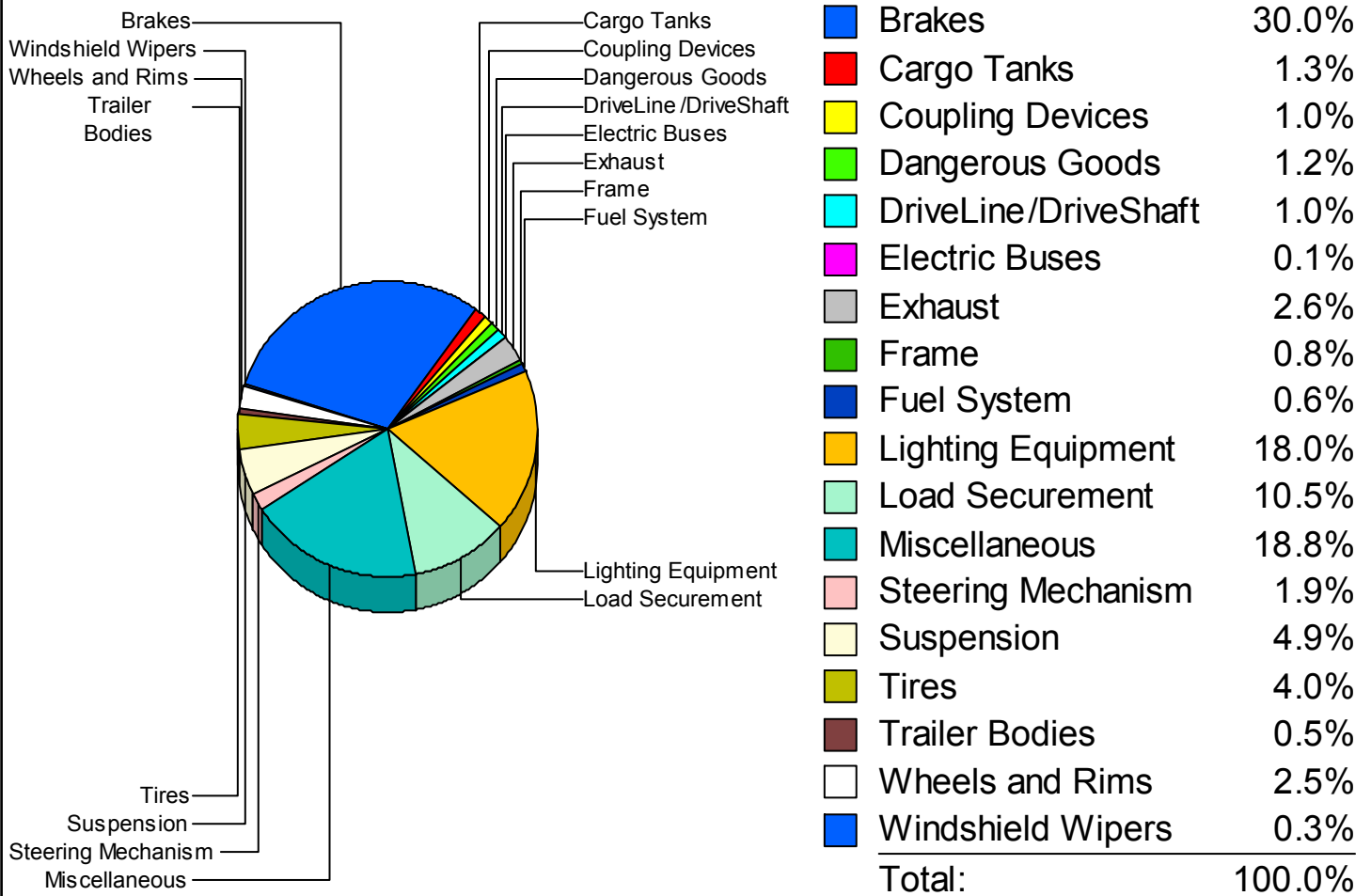
**Total Defects: 1,602**

**Total Reports: 822**

**Defects / Reports: 1.95**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	781
Cargo Tanks	33
Coupling Devices	25
Dangerous Goods	32
DriveLine/DriveShaft	25
Electric Buses	2
Exhaust	68
Frame	21
Fuel System	15
Lighting Equipment	470
Load Securement	273
Miscellaneous	490
Steering Mechanism	50
Suspension	128
Tires	103
Trailer Bodies	13
Wheels and Rims	66
Windshield Wipers	9

Defect Category: Both

Total Defects: 2,604

Total Reports: 800

Defects / Reports: 3.26

# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Manitoba

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	4
3	FASTENERS, STOPS, MOUNTING	4
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	13
6	LEAK, LOCATION	68
7	CROSS MEMBER-BROKEN, SAGGING	21
8	FUEL SYSTEM LEAK, CAP MISSING	12
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	442
11	PROJECTING LOAD LAMPS, CLEARANCE	28
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	237
13	DUNNAGE, ANCHOR POINTS, FITTINGS	36
14	CHAMBERS, RESERVOIR, COMPRESSOR	58
15	HOSE, LINES, COUPLING, VALVES	105
16	LINING, DRUMS, DISCS	23
17	T.P. VALVE, L.A. WARNING DEVICE	22
18	AUDIBLE AIR LEAK, PUSH ROD	218
19	SLACK ADJUSTER, CAM SHAFT	20
20	PARK BRAKE, SPRING BRAKE	139
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	130
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	66
23	STEERING WHEEL, COLUMN, GEAR BOX	16
24	FRONT AXLE BEAM, PITMAN ARM	13
25	POWER STEERING, BALL / SOCKET JOINTS	12
26	TIE-RODS, DRAG LINKS, NUTS	9
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	75
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	19
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	34
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	7
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	29
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	34
36	ELONGATED HOLES, WELDED REPAIRS	3
37	INOPERATIVE, MISSING, DAMAGED	9
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	103
39	DANGEROUS GOODS	32
40	CARGO TANK	33
42	ELECTICAL (BUSES)	2
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	7
53	UNIVERSAL JOINT	14
54	CENTER BEARING - (CARRIER BEARING)	4
99	MISCELLANEOUS	490

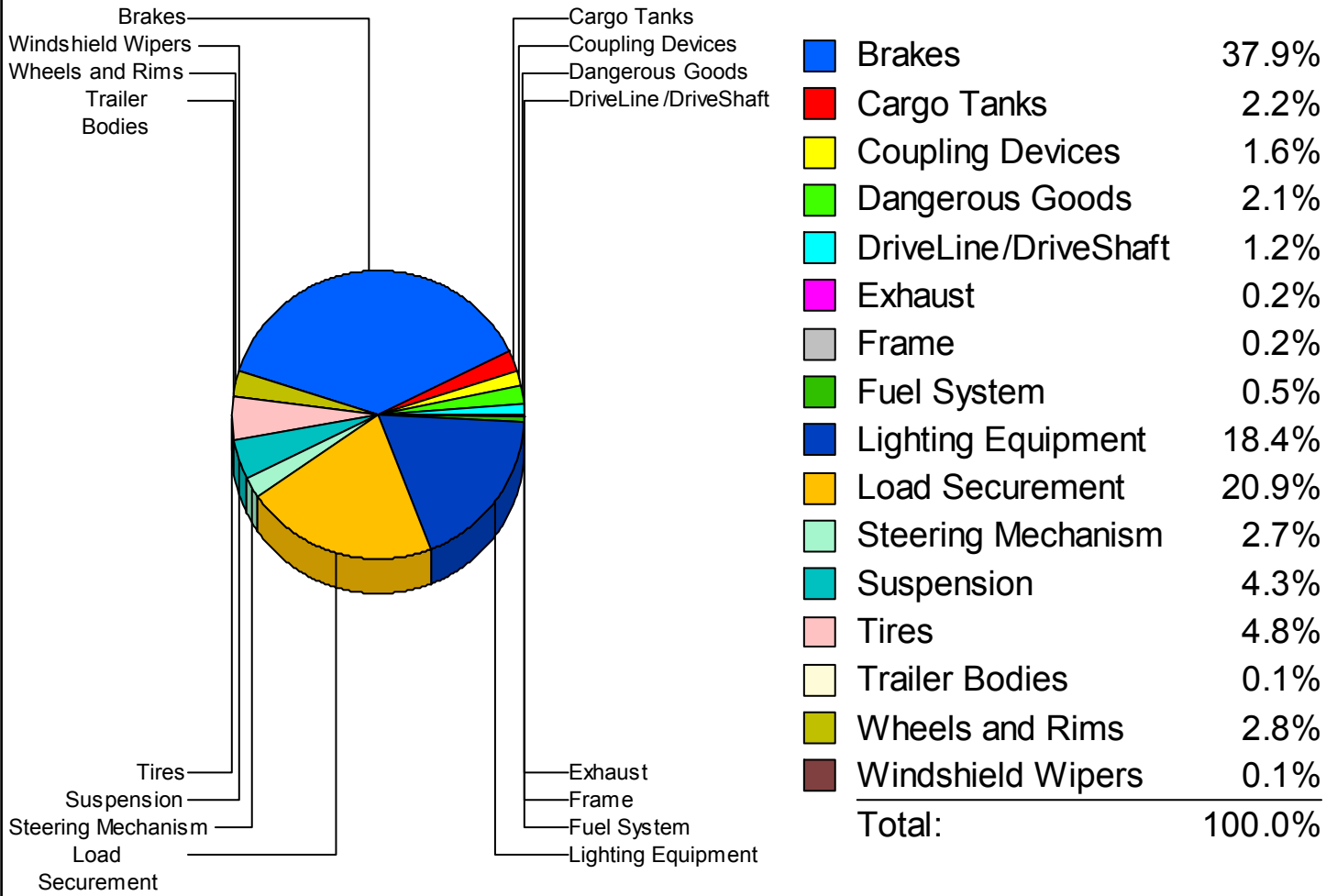
**Total Defects: 2,604**

**Total Reports: 800**

**Defects / Reports: 3.26**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	441
Cargo Tanks	26
Coupling Devices	19
Dangerous Goods	25
DriveLine/DriveShaft	14
Exhaust	2
Frame	2
Fuel System	6
Lighting Equipment	214
Load Securement	243
Steering Mechanism	32
Suspension	50
Tires	56
Trailer Bodies	1
Wheels and Rims	33
Windshield Wipers	1

Defect Category: Out of Service

Total Defects: 1,165

Total Reports: 800

Defects / Reports: 1.46

# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

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	4
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	2
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	11
6	LEAK, LOCATION	2
7	CROSS MEMBER-BROKEN, SAGGING	2
8	FUEL SYSTEM LEAK, CAP MISSING	5
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	212
11	PROJECTING LOAD LAMPS, CLEARANCE	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	216
13	DUNNAGE, ANCHOR POINTS, FITTINGS	27
14	CHAMBERS, RESERVOIR, COMPRESSOR	34
15	HOSE, LINES, COUPLING, VALVES	50
16	LINING, DRUMS, DISCS	18
17	T.P. VALVE, L.A. WARNING DEVICE	18
18	AUDIBLE AIR LEAK, PUSH ROD	102
19	SLACK ADJUSTER, CAM SHAFT	15
20	PARK BRAKE, SPRING BRAKE	132
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	10
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	62
23	STEERING WHEEL, COLUMN, GEAR BOX	8
24	FRONT AXLE BEAM, PITMAN ARM	11
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	9
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	32
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	6
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	12
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
34	BENT, BROKEN, CRACKED, LOOSE	14
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	17
36	ELONGATED HOLES, WELDED REPAIRS	2
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	56
39	DANGEROUS GOODS	25
40	CARGO TANK	26
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
53	UNIVERSAL JOINT	10
54	CENTER BEARING - (CARRIER BEARING)	1

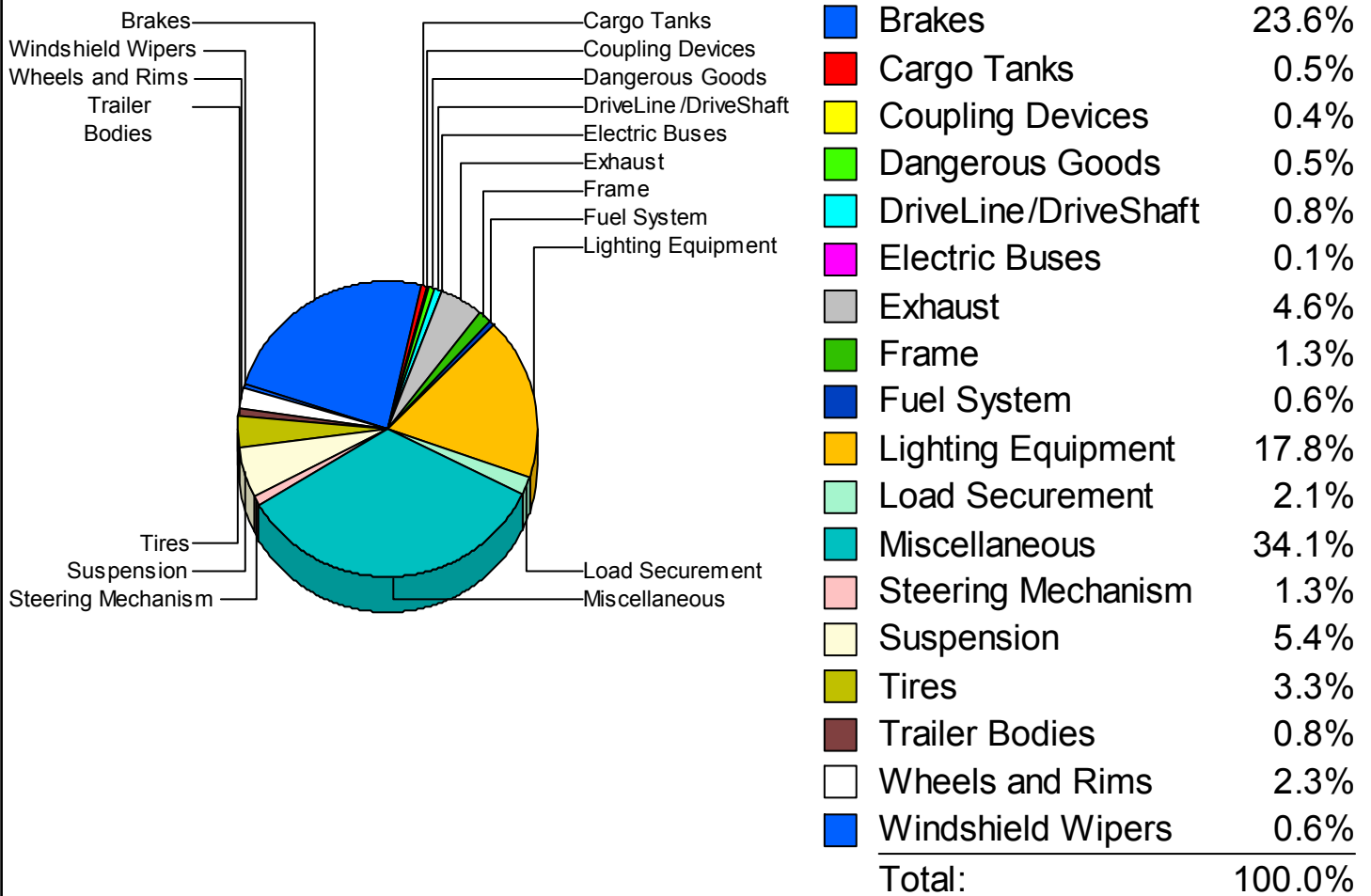
**Total Defects: 1,165**

**Total Reports: 800**

**Defects / Reports: 1.46**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	340
Cargo Tanks	7
Coupling Devices	6
Dangerous Goods	7
DriveLine/DriveShaft	11
Electric Buses	2
Exhaust	66
Frame	19
Fuel System	9
Lighting Equipment	256
Load Securement	30
Miscellaneous	490
Steering Mechanism	18
Suspension	78
Tires	47
Trailer Bodies	12
Wheels and Rims	33
Windshield Wipers	8

Defect Category: Fail Conditional

Total Defects: 1,439

Total Reports: 800

Defects / Reports: 1.80

# Number of Defects - CVSA Inspections '16

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	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	2
6	LEAK, LOCATION	66
7	CROSS MEMBER-BROKEN, SAGGING	19
8	FUEL SYSTEM LEAK, CAP MISSING	7
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	230
11	PROJECTING LOAD LAMPS, CLEARANCE	26
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	21
13	DUNNAGE, ANCHOR POINTS, FITTINGS	9
14	CHAMBERS, RESERVOIR, COMPRESSOR	24
15	HOSE, LINES, COUPLING, VALVES	55
16	LINING, DRUMS, DISCS	5
17	T.P. VALVE, L.A. WARNING DEVICE	4
18	AUDIBLE AIR LEAK, PUSH ROD	116
19	SLACK ADJUSTER, CAM SHAFT	5
20	PARK BRAKE, SPRING BRAKE	7
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	120
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	4
23	STEERING WHEEL, COLUMN, GEAR BOX	8
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	8
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	43
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	13
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	22
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	6
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	15
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	17
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	8
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	47
39	DANGEROUS GOODS	7
40	CARGO TANK	7
42	ELECTICAL (BUSES)	2
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	4
53	UNIVERSAL JOINT	4
54	CENTER BEARING - (CARRIER BEARING)	3
99	MISCELLANEOUS	490

Total Defects: 1,439

Total Reports: 800

Defects / Reports: 1.80

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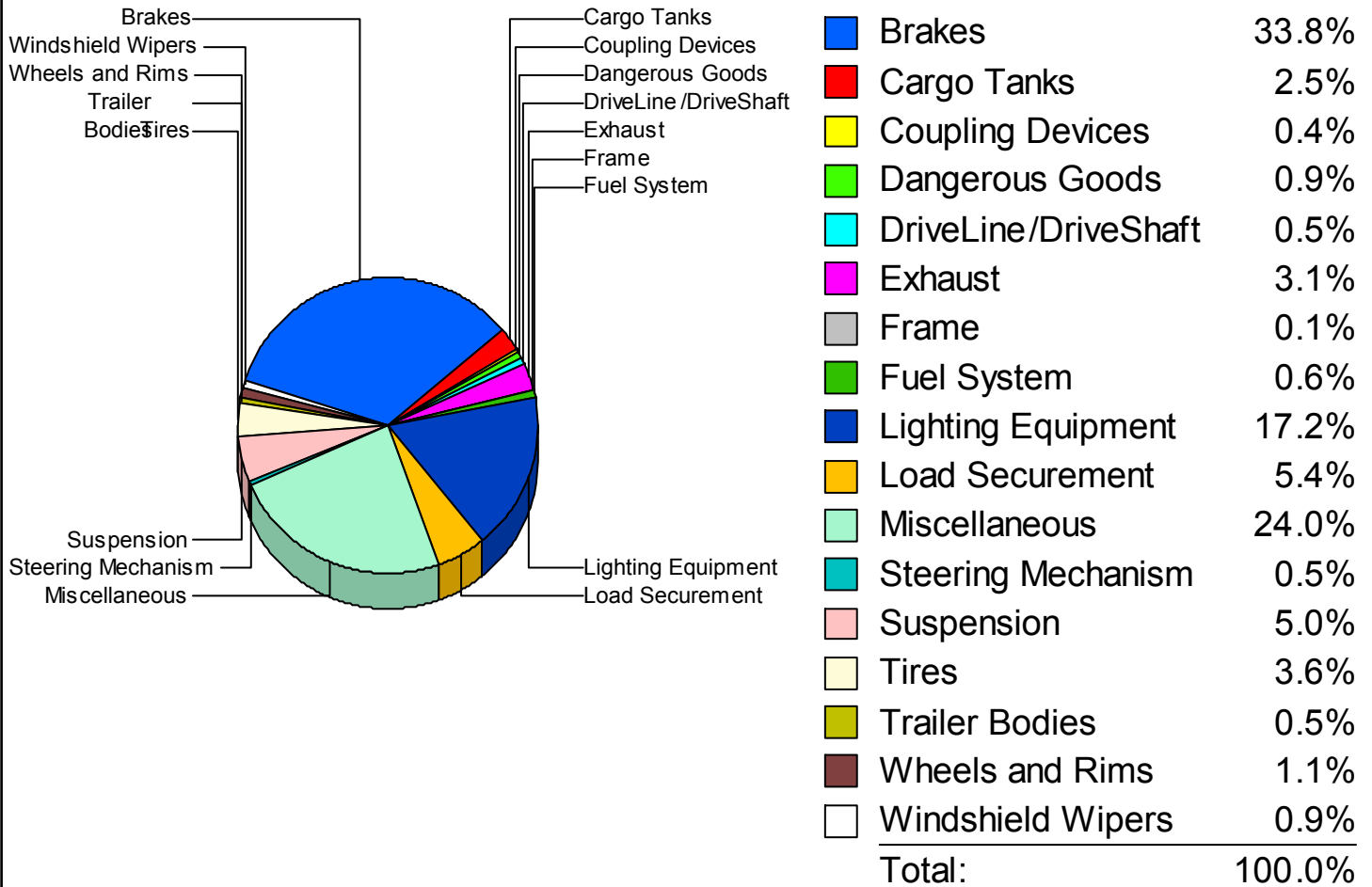


**2016 CVSA INSPECTIONS**  
 Inspection Results for Out of Province Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	444	285	198	927
Percentage of Reports	47.90	30.74	21.36	100%
Defects	43	461	500	1,004
Defects per Report	0.10	1.62	2.53	1.08

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	339
Cargo Tanks	25
Coupling Devices	4
Dangerous Goods	9
DriveLine/DriveShaft	5
Exhaust	31
Frame	1
Fuel System	6
Lighting Equipment	173
Load Securement	54
Miscellaneous	241
Steering Mechanism	5
Suspension	50
Tires	36
Trailer Bodies	5
Wheels and Rims	11
Windshield Wipers	9

Defect Category: Both  
 Total Defects: 1,004  
 Total Reports: 927  
 Defects / Reports: 1.08

# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: All

Defect Category: Both

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	2
6	LEAK, LOCATION	31
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	5
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	163
11	PROJECTING LOAD LAMPS, CLEARANCE	10
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	51
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	18
15	HOSE, LINES, COUPLING, VALVES	55
16	LINING, DRUMS, DISCS	5
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	112
19	SLACK ADJUSTER, CAM SHAFT	10
20	PARK BRAKE, SPRING BRAKE	6
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	119
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	7
23	STEERING WHEEL, COLUMN, GEAR BOX	2
26	TIE-RODS, DRAG LINKS, NUTS	3
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	28
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	3
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	19
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	7
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
37	INOPERATIVE, MISSING, DAMAGED	9
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	36
39	DANGEROUS GOODS	9
40	CARGO TANK	25
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
54	CENTER BEARING - (CARRIER BEARING)	2
99	MISCELLANEOUS	241

**Total Defects: 1,004**

**Total Reports: 927**

**Defects / Reports: 1.08**

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for the purpose of duplex printing*

# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
99	MISCELLANEOUS	43

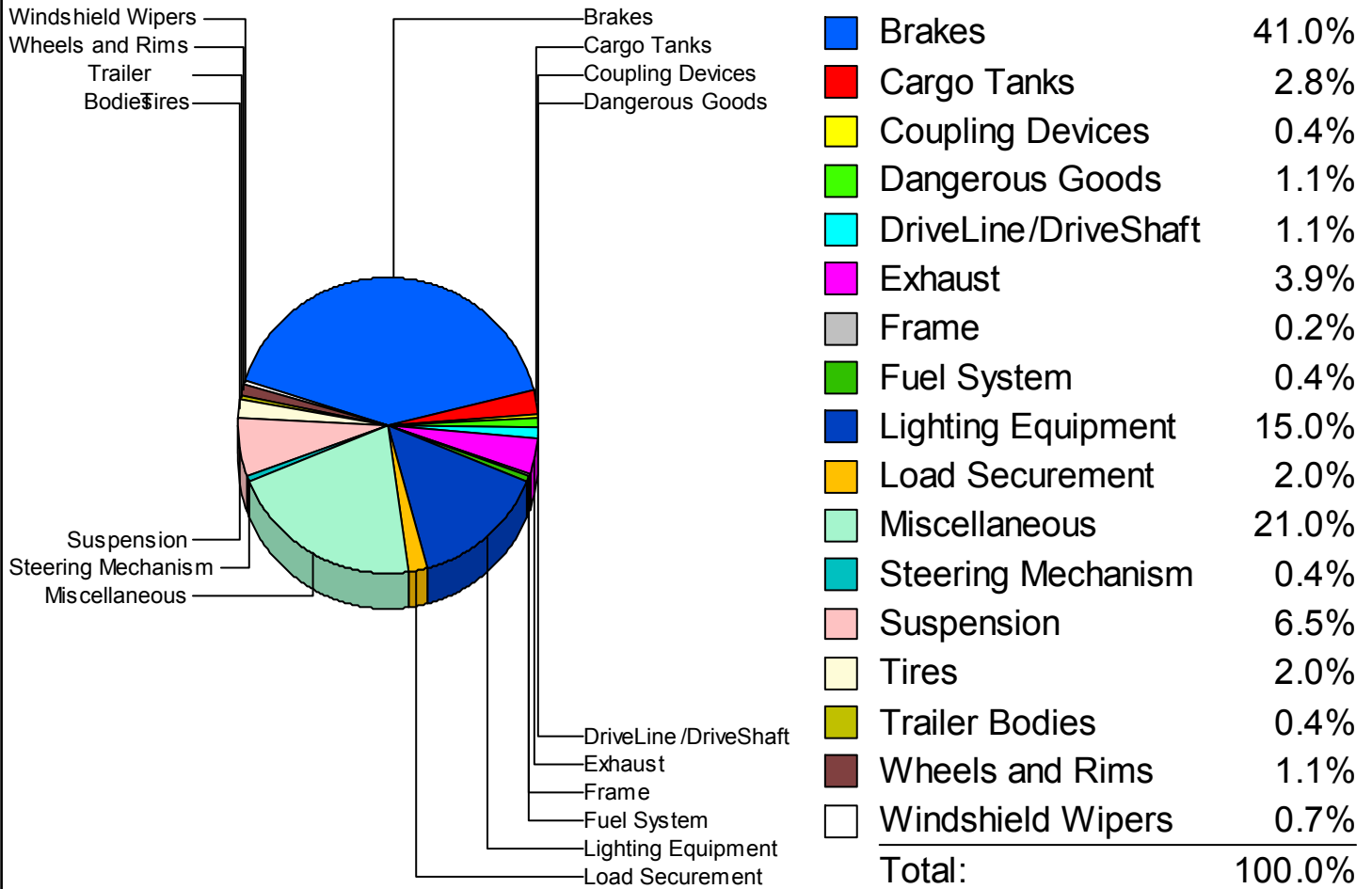
**Total Defects: 43**

**Total Reports: 444**

**Defects / Reports: 0.10**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	189
Cargo Tanks	13
Coupling Devices	2
Dangerous Goods	5
DriveLine/DriveShaft	5
Exhaust	18
Frame	1
Fuel System	2
Lighting Equipment	69
Load Securement	9
Miscellaneous	97
Steering Mechanism	2
Suspension	30
Tires	9
Trailer Bodies	2
Wheels and Rims	5
Windshield Wipers	3

Defect Category: Fail Conditional

Total Defects: 461

Total Reports: 285

Defects / Reports: 1.62

# Number of Defects - CVSA Inspections '16

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
6	LEAK, LOCATION	18
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	63
11	PROJECTING LOAD LAMPS, CLEARANCE	6
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	9
14	CHAMBERS, RESERVOIR, COMPRESSOR	11
15	HOSE, LINES, COUPLING, VALVES	16
16	LINING, DRUMS, DISCS	2
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	69
19	SLACK ADJUSTER, CAM SHAFT	4
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	86
23	STEERING WHEEL, COLUMN, GEAR BOX	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	16
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	3
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	11
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	3
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	2
37	INOPERATIVE, MISSING, DAMAGED	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	9
39	DANGEROUS GOODS	5
40	CARGO TANK	13
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
54	CENTER BEARING - (CARRIER BEARING)	2
99	MISCELLANEOUS	97

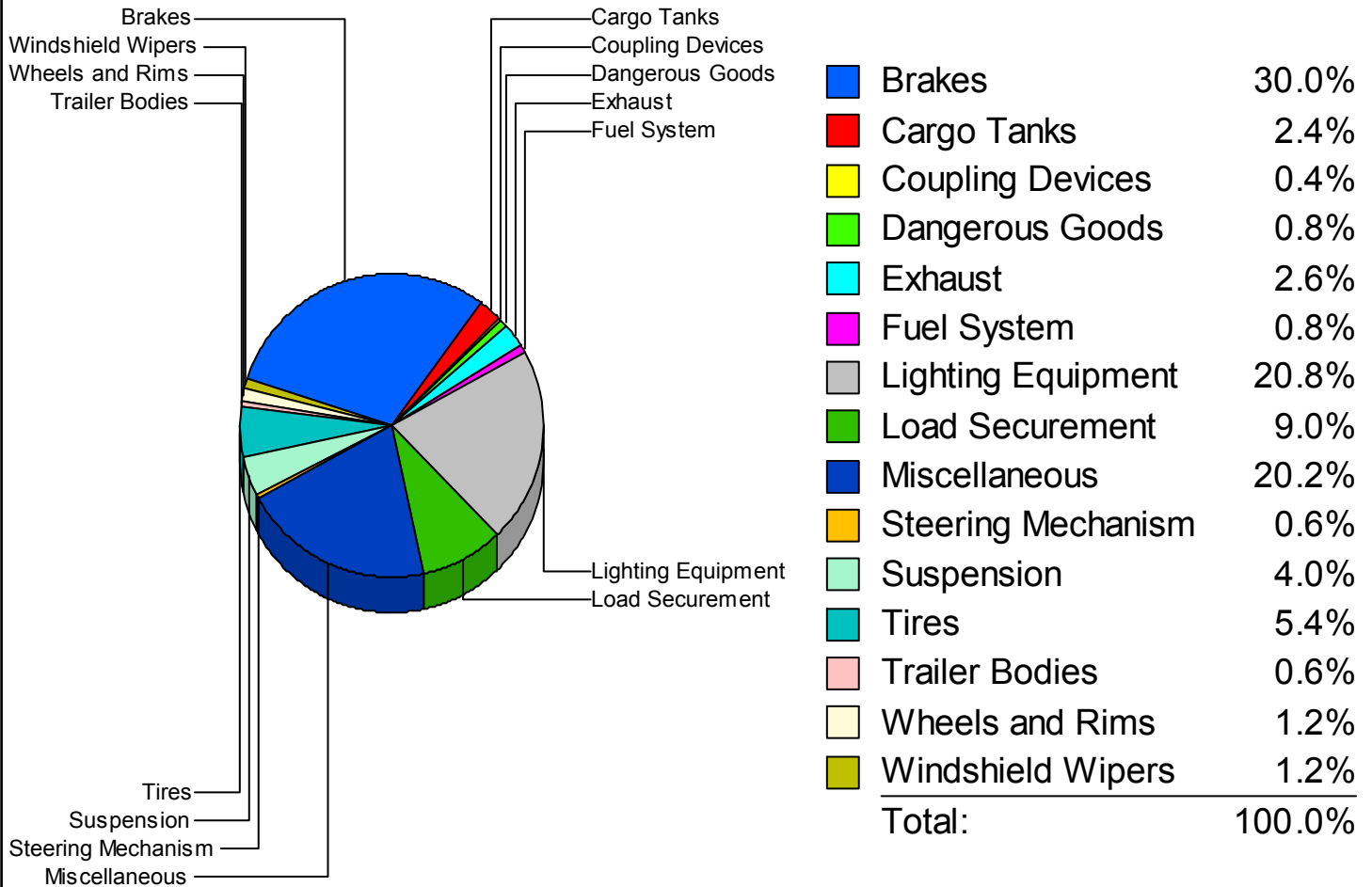
**Total Defects: 461**

**Total Reports: 285**

**Defects / Reports: 1.62**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	150
Cargo Tanks	12
Coupling Devices	2
Dangerous Goods	4
Exhaust	13
Fuel System	4
Lighting Equipment	104
Load Securement	45
Miscellaneous	101
Steering Mechanism	3
Suspension	20
Tires	27
Trailer Bodies	3
Wheels and Rims	6
Windshield Wipers	6

Defect Category: Both

Total Defects: 500

Total Reports: 198

Defects / Reports: 2.53



# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Both

Defect Code	Defect Description	Count
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	2
6	LEAK, LOCATION	13
8	FUEL SYSTEM LEAK, CAP MISSING	3
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	100
11	PROJECTING LOAD LAMPS, CLEARANCE	4
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	42
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	7
15	HOSE, LINES, COUPLING, VALVES	39
16	LINING, DRUMS, DISCS	3
17	T.P. VALVE, L.A. WARNING DEVICE	6
18	AUDIBLE AIR LEAK, PUSH ROD	43
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	6
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	33
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	7
23	STEERING WHEEL, COLUMN, GEAR BOX	1
26	TIE-RODS, DRAG LINKS, NUTS	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	12
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	8
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
34	BENT, BROKEN, CRACKED, LOOSE	4
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	2
37	INOPERATIVE, MISSING, DAMAGED	6
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	27
39	DANGEROUS GOODS	4
40	CARGO TANK	12
99	MISCELLANEOUS	101

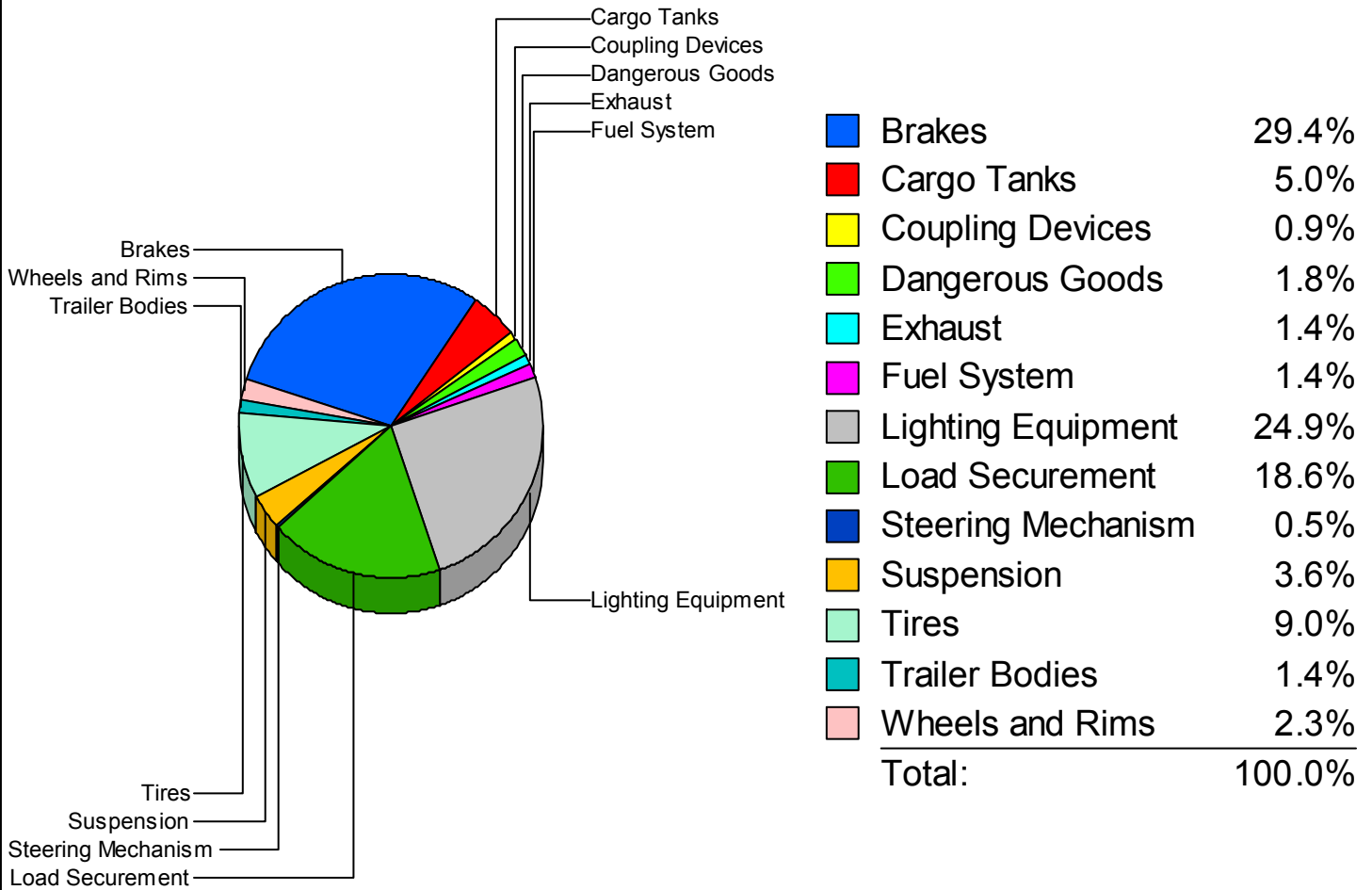
**Total Defects: 500**

**Total Reports: 198**

**Defects / Reports: 2.53**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	65
Cargo Tanks	11
Coupling Devices	2
Dangerous Goods	4
Exhaust	3
Fuel System	3
Lighting Equipment	55
Load Securement	41
Steering Mechanism	1
Suspension	8
Tires	20
Trailer Bodies	3
Wheels and Rims	5

Defect Category: Out of Service

Total Defects: 221

Total Reports: 198

Defects / Reports: 1.12

# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Out of Province

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	2
6	LEAK, LOCATION	3
8	FUEL SYSTEM LEAK, CAP MISSING	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	52
11	PROJECTING LOAD LAMPS, CLEARANCE	3
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	38
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	5
15	HOSE, LINES, COUPLING, VALVES	19
16	LINING, DRUMS, DISCS	2
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	17
19	SLACK ADJUSTER, CAM SHAFT	3
20	PARK BRAKE, SPRING BRAKE	6
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	2
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	6
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	5
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
34	BENT, BROKEN, CRACKED, LOOSE	4
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	20
39	DANGEROUS GOODS	4
40	CARGO TANK	11

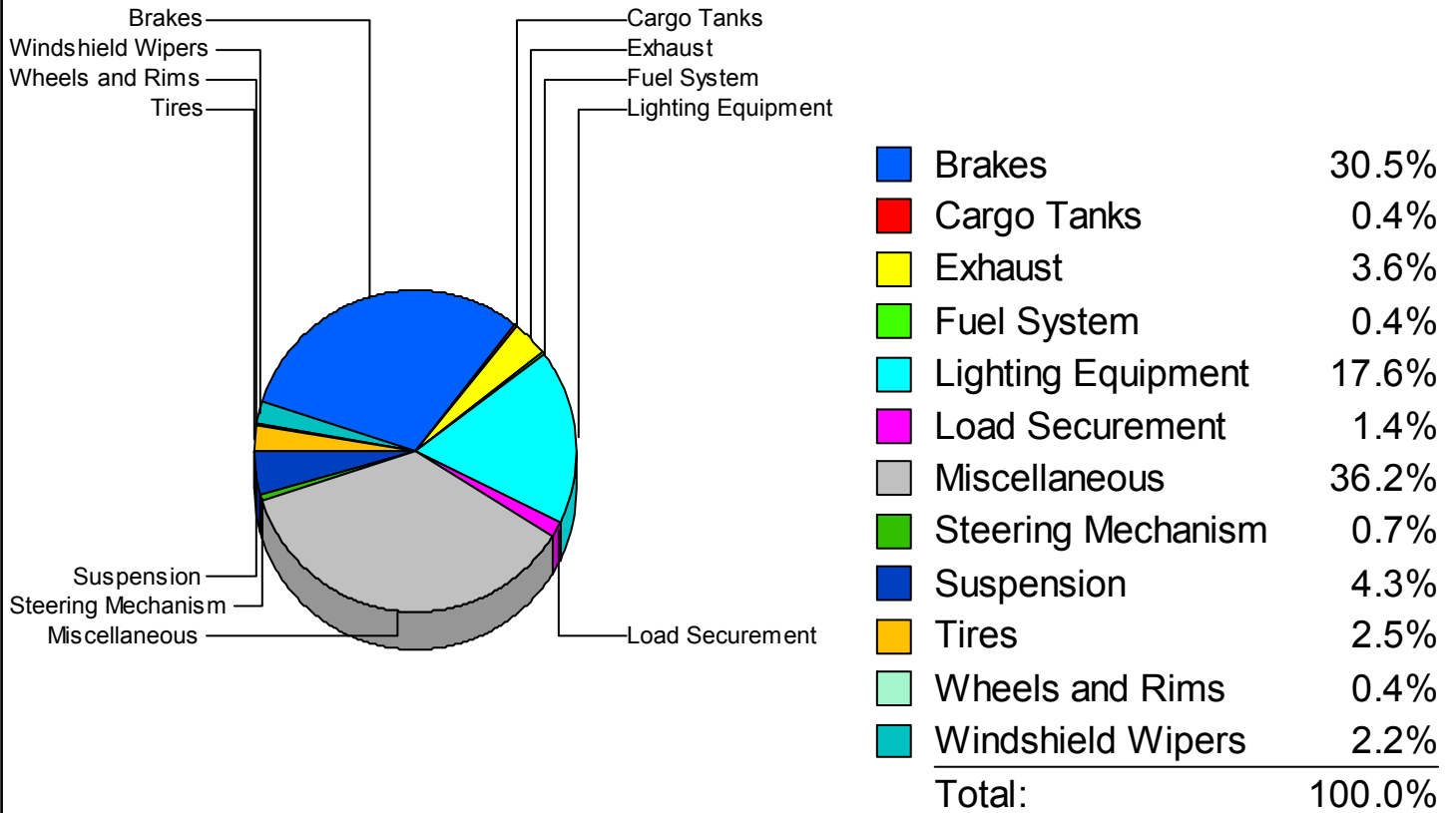
**Total Defects: 221**

**Total Reports: 198**

**Defects / Reports: 1.12**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	85
Cargo Tanks	1
Exhaust	10
Fuel System	1
Lighting Equipment	49
Load Securement	4
Miscellaneous	101
Steering Mechanism	2
Suspension	12
Tires	7
Wheels and Rims	1
Windshield Wipers	6

Defect Category: Fail Conditional

Total Defects: 279

Total Reports: 198

Defects / Reports: 1.41

# Number of Defects - CVSA Inspections '16

Carrier Jurisdiction - Out of Province

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
6	LEAK, LOCATION	10
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	48
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	4
14	CHAMBERS, RESERVOIR, COMPRESSOR	2
15	HOSE, LINES, COUPLING, VALVES	20
16	LINING, DRUMS, DISCS	1
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	26
19	SLACK ADJUSTER, CAM SHAFT	3
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	31
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	1
23	STEERING WHEEL, COLUMN, GEAR BOX	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	7
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	5
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
37	INOPERATIVE, MISSING, DAMAGED	6
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	7
40	CARGO TANK	1
99	MISCELLANEOUS	101

**Total Defects: 279**

**Total Reports: 198**

**Defects / Reports: 1.41**

# ALL

## Inspection Results by Registration Class Jan 01, 2016 to Dec 31, 2016

Truck Type	Inspection Result			Total	Percentage (%)
	Pass	Fail	Out of Service		
A5 STRAIGHT	29	22	26	77	2.53%
A6 FARM	38	28	53	119	3.91%
AR REG PASS	6	3	1	10	0.33%
C1 COMMERCIAL	531	258	251	1,040	34.18%
C5 LTD CT	95	79	89	263	8.64%
P2 PSV BUS	43	8	1	52	1.71%
P4 PSV TRUCK	558	322	233	1,113	36.58%
P8 LTD PSV TRUCK	77	87	72	236	7.76%
TAXI	0	0	0	0	0.00%
LIGHT DUTY	44	15	74	133	4.37%
TOTAL	1,421	822	800	3,043	100.00%
Percentage (%)	47%	27%	26%	100%	

Percentages				
Truck Type	Inspection Result			Total
	Pass	Fail	Out of Service	
A5 STRAIGHT	37.66%	28.57%	33.77%	100%
A6 FARM	31.93%	23.53%	44.54%	100%
AR REG PASS	60.00%	30.00%	10.00%	100%
C1 COMMERCIAL	51.06%	24.81%	24.13%	100%
C5 LTD CT	36.12%	30.04%	33.84%	100%
P2 PSV BUS	82.69%	15.38%	1.92%	100%
P4 PSV TRUCK	50.13%	28.93%	20.93%	100%
P8 LTD PSV TRUCK	32.63%	36.86%	30.51%	100%
TAXI	0.00%	0.00%	0.00%	0%
LIGHT DUTY	33.08%	11.28%	55.64%	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.*

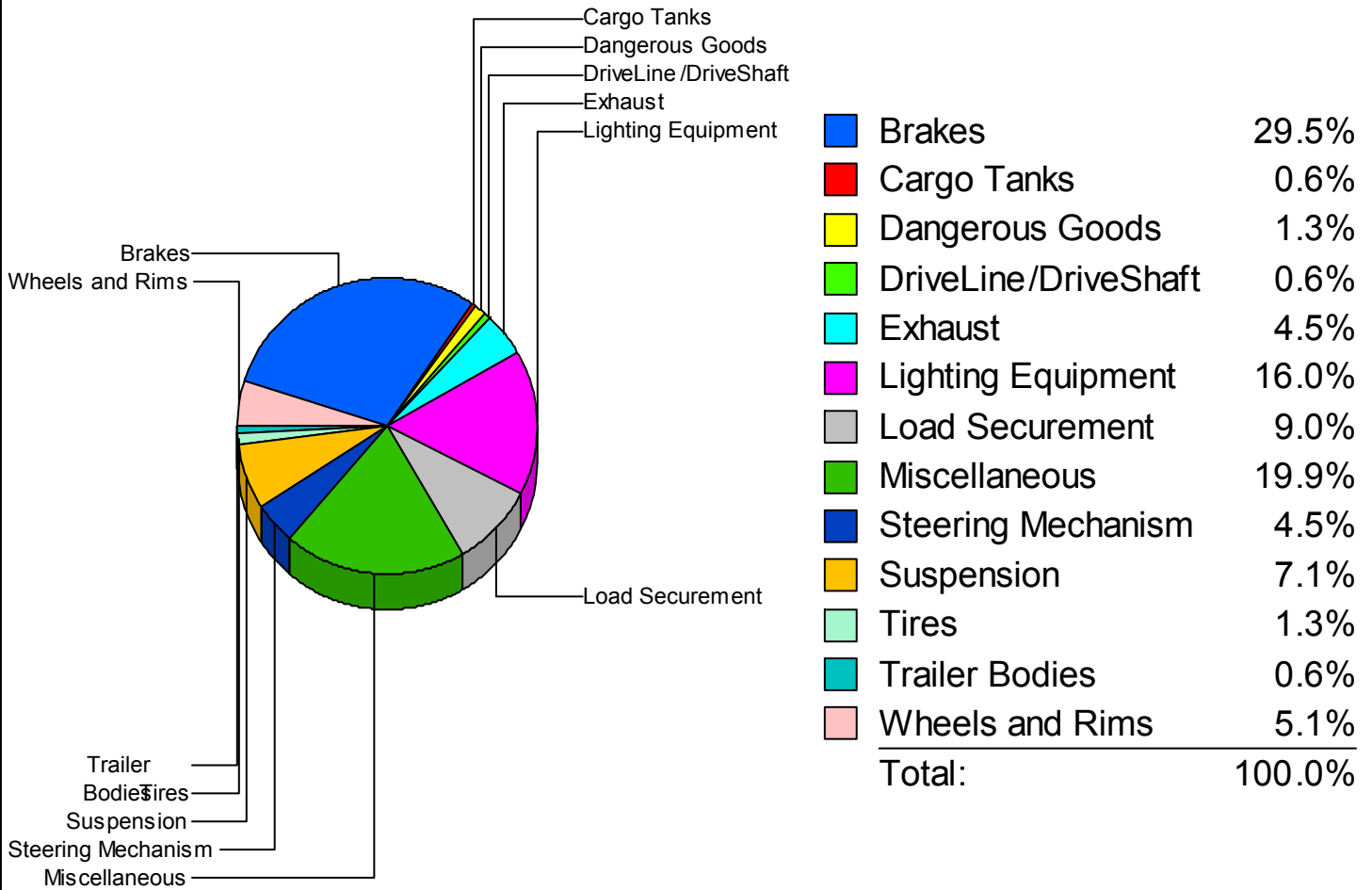
**C5 Limited Use Commercial Truck:**  
Is the same as C1 Commercial but only within restricted distances of registered owner's place of business. This registration class was also created September 1, 2015 to replace certain A5 plates that previously met legislative exemptions.

**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.

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	46
Cargo Tanks	1
Dangerous Goods	2
DriveLine/DriveShaft	1
Exhaust	7
Lighting Equipment	25
Load Securement	14
Miscellaneous	31
Steering Mechanism	7
Suspension	11
Tires	2
Trailer Bodies	1
Wheels and Rims	8

Defect Category: Both

Total Defects: 156

Total Reports: 77

Defects / Reports: 2.03



# Number of Defects - CVSA Inspections '16

A5 - Straight Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
6	LEAK, LOCATION	7
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	24
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	11
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	5
15	HOSE, LINES, COUPLING, VALVES	7
18	AUDIBLE AIR LEAK, PUSH ROD	18
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	3
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	7
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	5
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	8
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
34	BENT, BROKEN, CRACKED, LOOSE	5
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	2
39	DANGEROUS GOODS	2
40	CARGO TANK	1
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
99	MISCELLANEOUS	31

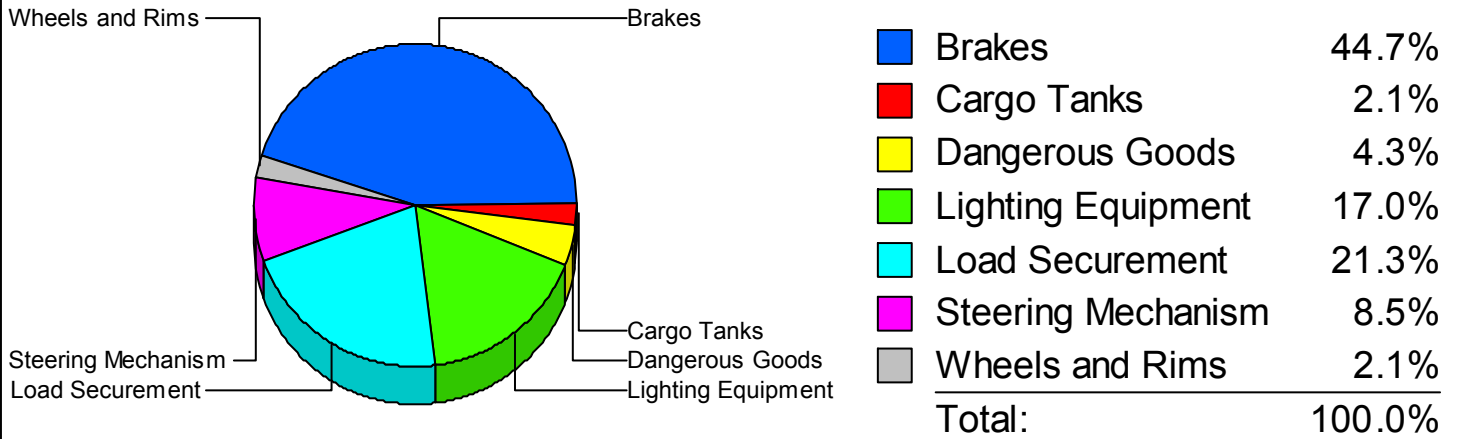
**Total Defects: 156**

**Total Reports: 77**

**Defects / Reports: 2.03**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	21
Cargo Tanks	1
Dangerous Goods	2
Lighting Equipment	8
Load Securement	10
Steering Mechanism	4
Wheels and Rims	1

Defect Category: Out of Service

Total Defects: 47  
Total Reports: 26  
Defects / Reports: 1.81

# Number of Defects - CVSA Inspections '16

A5 - Straight Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	8
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	9
13	DUNNAGE, ANCHOR POINTS, FITTINGS	1
14	CHAMBERS, RESERVOIR, COMPRESSOR	2
15	HOSE, LINES, COUPLING, VALVES	4
18	AUDIBLE AIR LEAK, PUSH ROD	6
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	3
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	2
26	TIE-RODS, DRAG LINKS, NUTS	1
34	BENT, BROKEN, CRACKED, LOOSE	1
39	DANGEROUS GOODS	2
40	CARGO TANK	1

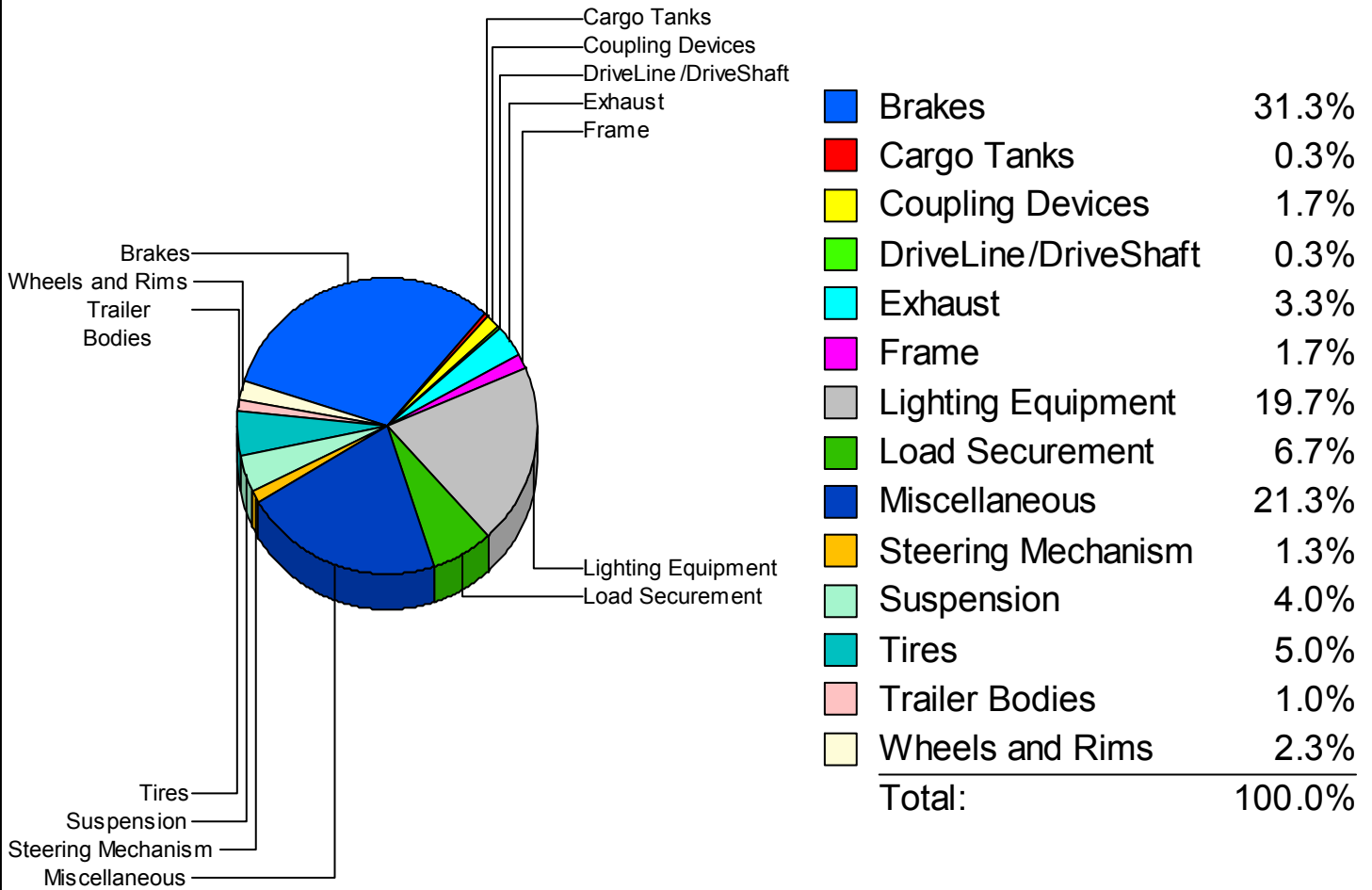
**Total Defects: 47**

**Total Reports: 26**

**Defects / Reports: 1.81**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	94
Cargo Tanks	1
Coupling Devices	5
DriveLine/DriveShaft	1
Exhaust	10
Frame	5
Lighting Equipment	59
Load Securement	20
Miscellaneous	64
Steering Mechanism	4
Suspension	12
Tires	15
Trailer Bodies	3
Wheels and Rims	7

Defect Category: Both  
Total Defects: 300  
Total Reports: 119  
Defects / Reports: 2.52

# Number of Defects - CVSA Inspections '16

A6 - Farm Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	4
6	LEAK, LOCATION	10
7	CROSS MEMBER-BROKEN, SAGGING	5
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	56
11	PROJECTING LOAD LAMPS, CLEARANCE	3
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	17
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	11
15	HOSE, LINES, COUPLING, VALVES	11
16	LINING, DRUMS, DISCS	1
17	T.P. VALVE, L.A. WARNING DEVICE	2
18	AUDIBLE AIR LEAK, PUSH ROD	34
19	SLACK ADJUSTER, CAM SHAFT	2
20	PARK BRAKE, SPRING BRAKE	11
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	15
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	7
23	STEERING WHEEL, COLUMN, GEAR BOX	1
25	POWER STEERING, BALL / SOCKET JOINTS	3
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	6
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	1
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	5
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	2
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	3
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	15
40	CARGO TANK	1
54	CENTER BEARING - (CARRIER BEARING)	1
99	MISCELLANEOUS	64

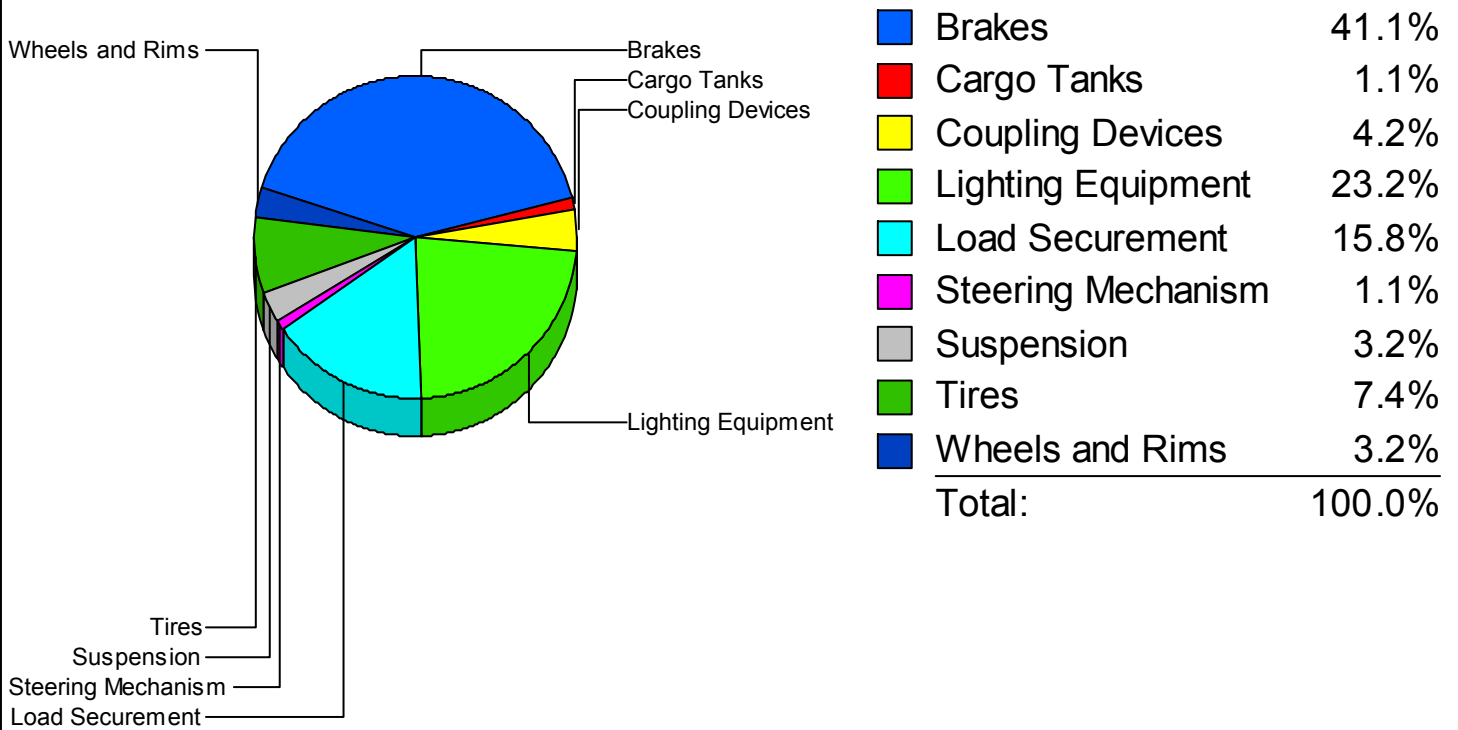
**Total Defects: 300**

**Total Reports: 119**

**Defects / Reports: 2.52**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	39
Cargo Tanks	1
Coupling Devices	4
Lighting Equipment	22
Load Securement	15
Steering Mechanism	1
Suspension	3
Tires	7
Wheels and Rims	3

Defect Category: Out of Service

Total Defects: 95  
Total Reports: 53  
Defects / Reports: 1.79

# Number of Defects - CVSA Inspections '16

A6 - Farm 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
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	21
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	12
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	7
15	HOSE, LINES, COUPLING, VALVES	3
16	LINING, DRUMS, DISCS	1
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	9
19	SLACK ADJUSTER, CAM SHAFT	2
20	PARK BRAKE, SPRING BRAKE	10
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	6
23	STEERING WHEEL, COLUMN, GEAR BOX	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	2
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	1
34	BENT, BROKEN, CRACKED, LOOSE	1
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	2
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	7
40	CARGO TANK	1

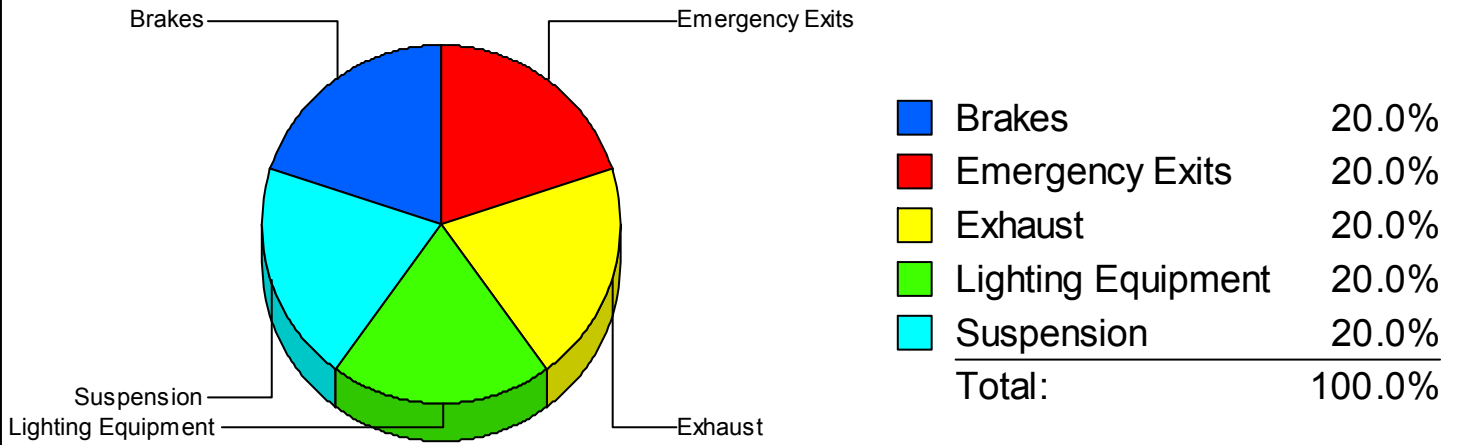
**Total Defects: 95**

**Total Reports: 53**

**Defects / Reports: 1.79**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1
Emergency Exits	1
Exhaust	1
Lighting Equipment	1
Suspension	1

Defect Category: Both

Total Defects:       5  
Total Reports:       10  
Defects / Reports:   0.50



# Number of Defects - CVSA Inspections '16

AR - Regulated Passenger Vehicle - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
6	LEAK, LOCATION	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	1
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	1
41	EMERGENCY EXITS	1

**Total Defects: 5**

**Total Reports: 10**

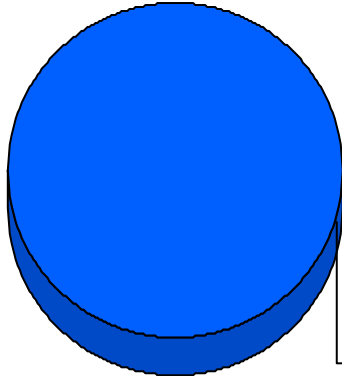
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**Defects / Reports: 0.50**

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# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



■	Lighting Equipment	100.0%
<hr/>		
	Total:	100.0%

Lighting Equipment

Lighting Equipment	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 '16

AR - Regulated Passenger Vehicle - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	1

**Total Defects: 1**

**Total Reports: 1**

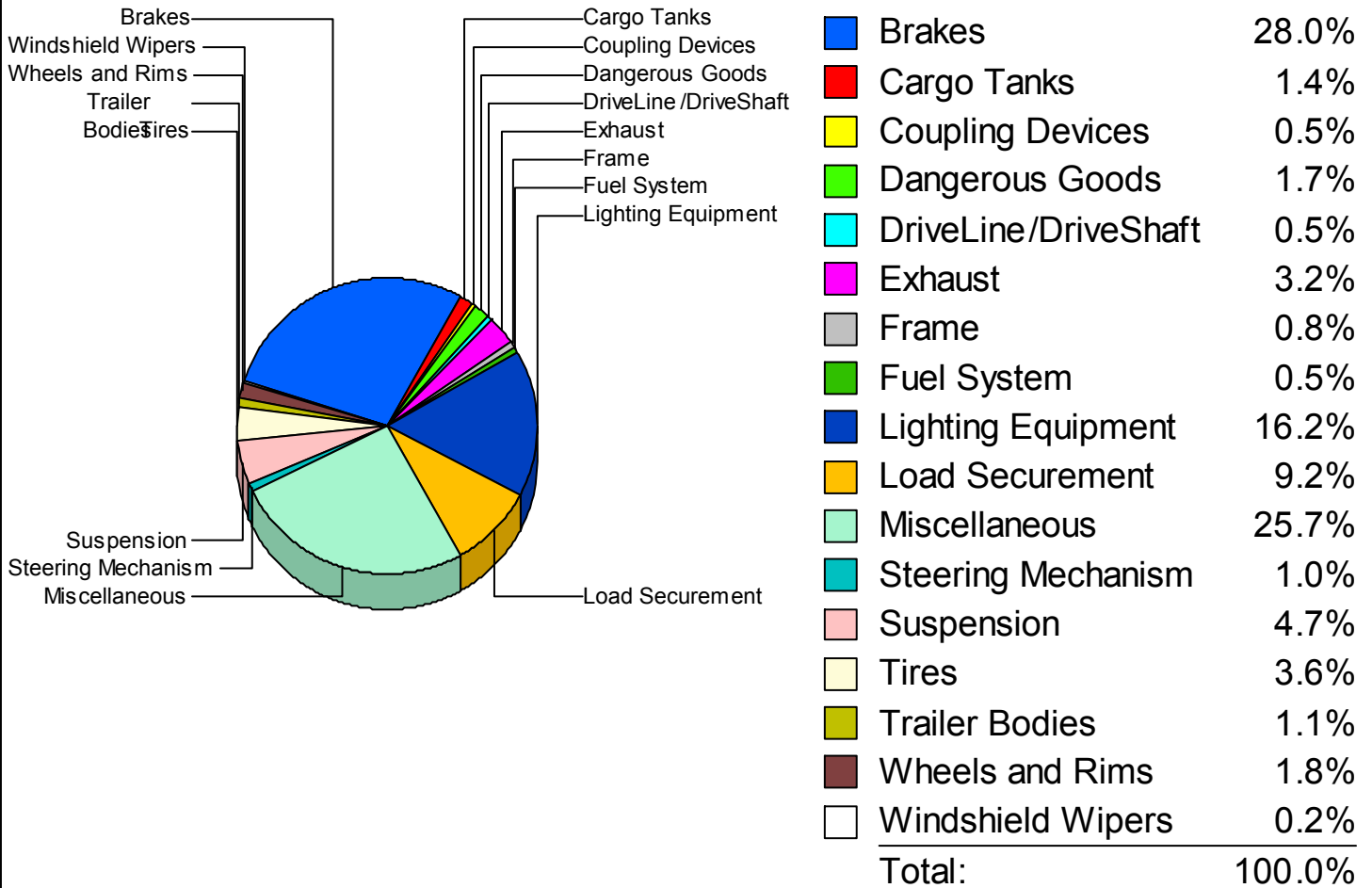
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**Defects / Reports: 1.00**

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# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	373
Cargo Tanks	19
Coupling Devices	7
Dangerous Goods	23
DriveLine/DriveShaft	7
Exhaust	42
Frame	10
Fuel System	7
Lighting Equipment	216
Load Securement	123
Miscellaneous	342
Steering Mechanism	13
Suspension	62
Tires	48
Trailer Bodies	14
Wheels and Rims	24
Windshield Wipers	3

Defect Category: Both

Total Defects: 1,333

Total Reports: 1,040

Defects / Reports: 1.28

# Number of Defects - CVSA Inspections '16

C1 - Commercial Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

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
6	LEAK, LOCATION	42
7	CROSS MEMBER-BROKEN, SAGGING	10
8	FUEL SYSTEM LEAK, CAP MISSING	5
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	198
11	PROJECTING LOAD LAMPS, CLEARANCE	18
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	98
13	DUNNAGE, ANCHOR POINTS, FITTINGS	25
14	CHAMBERS, RESERVOIR, COMPRESSOR	16
15	HOSE, LINES, COUPLING, VALVES	62
16	LINING, DRUMS, DISCS	7
17	T.P. VALVE, L.A. WARNING DEVICE	9
18	AUDIBLE AIR LEAK, PUSH ROD	113
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	53
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	80
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	27
23	STEERING WHEEL, COLUMN, GEAR BOX	3
24	FRONT AXLE BEAM, PITMAN ARM	4
25	POWER STEERING, BALL / SOCKET JOINTS	2
26	TIE-RODS, DRAG LINKS, NUTS	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	41
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	8
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	13
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	5
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	8
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	13
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	9
36	ELONGATED HOLES, WELDED REPAIRS	2
37	INOPERATIVE, MISSING, DAMAGED	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	48
39	DANGEROUS GOODS	23
40	CARGO TANK	19
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	4
53	UNIVERSAL JOINT	3
99	MISCELLANEOUS	342

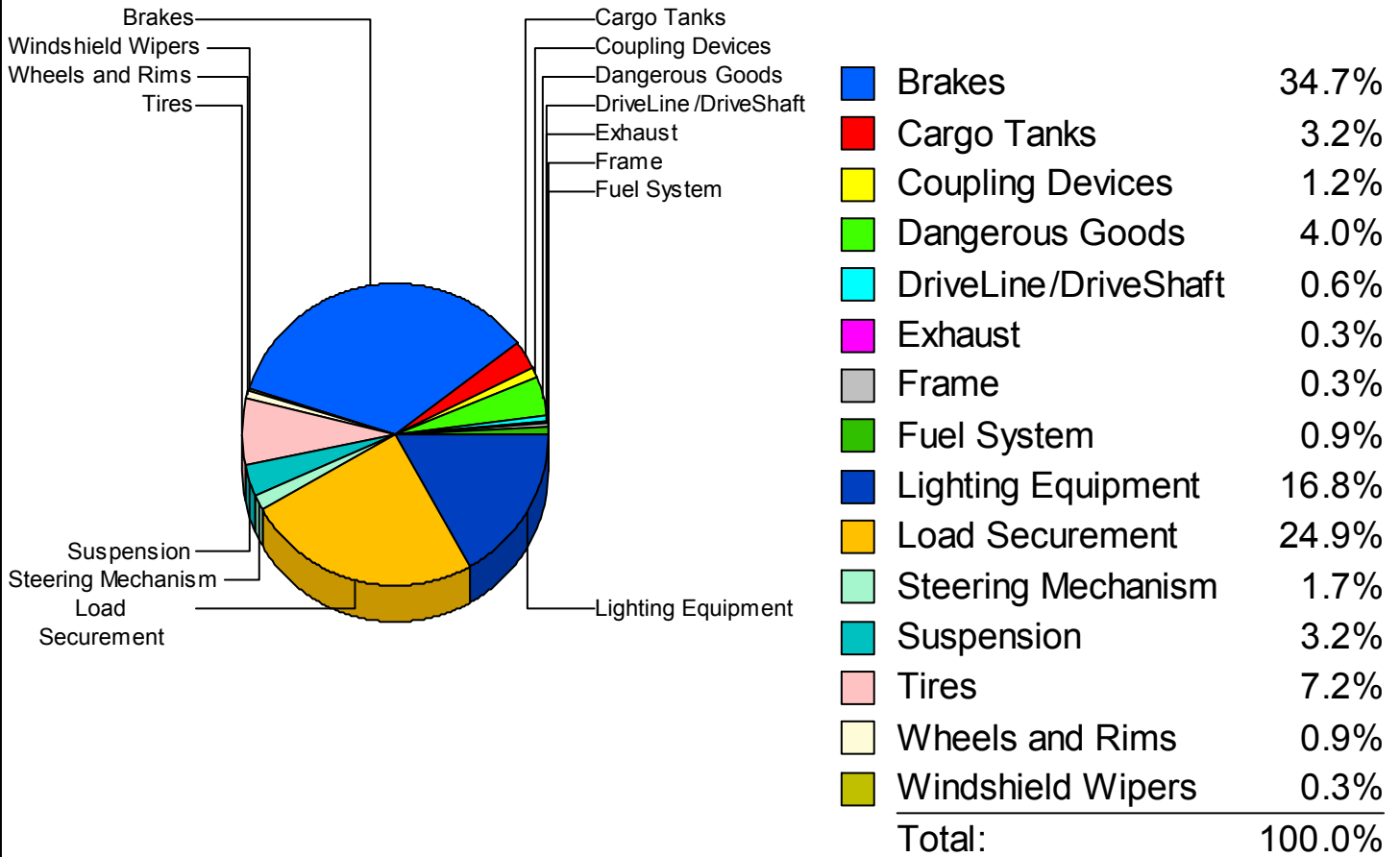
**Total Defects: 1,333**

**Total Reports: 1,040**

**Defects / Reports: 1.28**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	120
Cargo Tanks	11
Coupling Devices	4
Dangerous Goods	14
DriveLine/DriveShaft	2
Exhaust	1
Frame	1
Fuel System	3
Lighting Equipment	58
Load Securement	86
Steering Mechanism	6
Suspension	11
Tires	25
Wheels and Rims	3
Windshield Wipers	1

Defect Category: Out of Service

Total Defects: 346

Total Reports: 251

Defects / Reports: 1.38

# Number of Defects - CVSA Inspections '16

C1 - Commercial 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
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	3
6	LEAK, LOCATION	1
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	2
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	57
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	77
13	DUNNAGE, ANCHOR POINTS, FITTINGS	9
14	CHAMBERS, RESERVOIR, COMPRESSOR	8
15	HOSE, LINES, COUPLING, VALVES	6
16	LINING, DRUMS, DISCS	4
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	19
19	SLACK ADJUSTER, CAM SHAFT	3
20	PARK BRAKE, SPRING BRAKE	51
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	23
24	FRONT AXLE BEAM, PITMAN ARM	4
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	10
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	1
34	BENT, BROKEN, CRACKED, LOOSE	2
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	25
39	DANGEROUS GOODS	14
40	CARGO TANK	11
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	1
53	UNIVERSAL JOINT	1

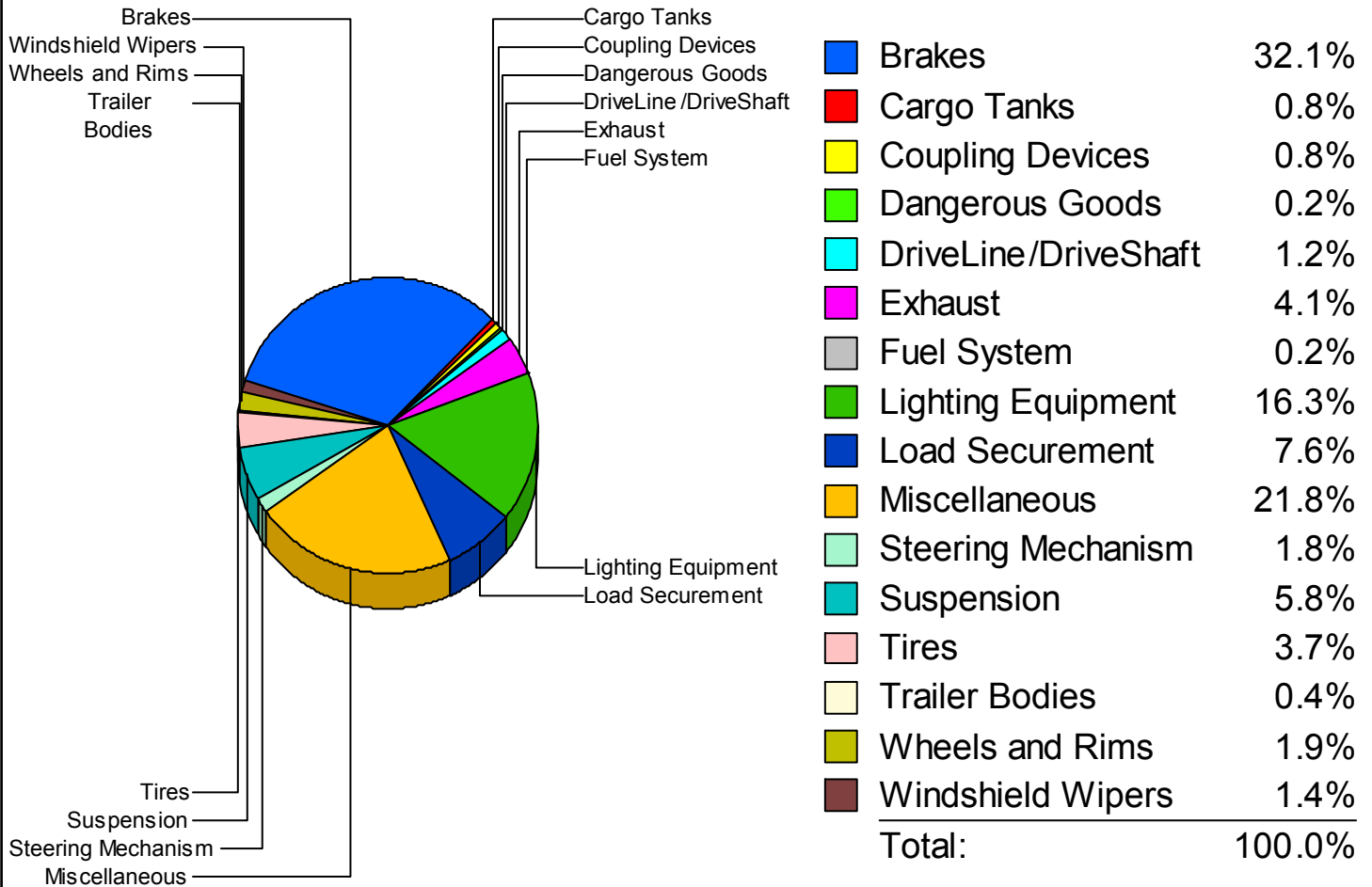
**Total Defects: 346**

**Total Reports: 251**

**Defects / Reports: 1.38**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	165
Cargo Tanks	4
Coupling Devices	4
Dangerous Goods	1
DriveLine/DriveShaft	6
Exhaust	21
Fuel System	1
Lighting Equipment	84
Load Securement	39
Miscellaneous	112
Steering Mechanism	9
Suspension	30
Tires	19
Trailer Bodies	2
Wheels and Rims	10
Windshield Wipers	7

Defect Category: Both

Total Defects: 514

Total Reports: 263

Defects / Reports: 1.95



# Number of Defects - CVSA Inspections '16

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	2
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	21
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	83
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	31
13	DUNNAGE, ANCHOR POINTS, FITTINGS	8
14	CHAMBERS, RESERVOIR, COMPRESSOR	11
15	HOSE, LINES, COUPLING, VALVES	24
16	LINING, DRUMS, DISCS	2
17	T.P. VALVE, L.A. WARNING DEVICE	6
18	AUDIBLE AIR LEAK, PUSH ROD	69
19	SLACK ADJUSTER, CAM SHAFT	3
20	PARK BRAKE, SPRING BRAKE	19
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	29
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	2
23	STEERING WHEEL, COLUMN, GEAR BOX	3
24	FRONT AXLE BEAM, PITMAN ARM	3
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	1
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	19
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	6
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	5
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
34	BENT, BROKEN, CRACKED, LOOSE	6
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
37	INOPERATIVE, MISSING, DAMAGED	7
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	19
39	DANGEROUS GOODS	1
40	CARGO TANK	4
53	UNIVERSAL JOINT	4
54	CENTER BEARING - (CARRIER BEARING)	1
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	112

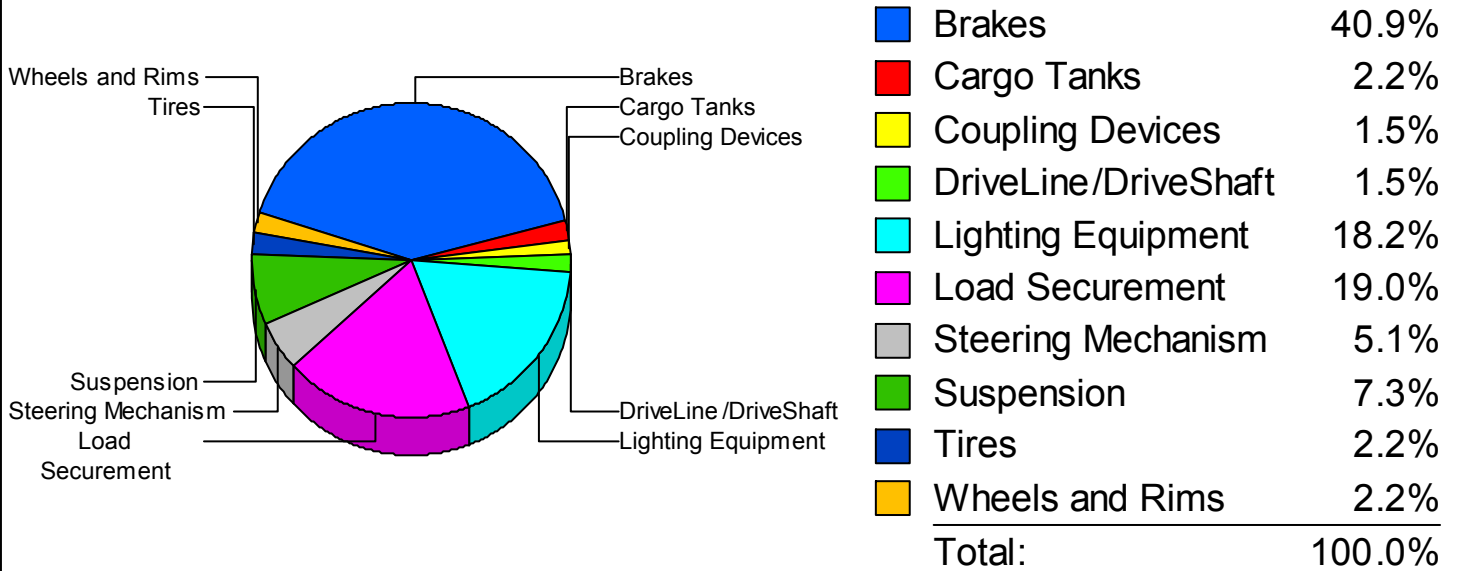
**Total Defects: 514**

**Total Reports: 263**

**Defects / Reports: 1.95**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	56
Cargo Tanks	3
Coupling Devices	2
DriveLine/DriveShaft	2
Lighting Equipment	25
Load Securement	26
Steering Mechanism	7
Suspension	10
Tires	3
Wheels and Rims	3

Defect Category: Out of Service

Total Defects: 137

Total Reports: 89

Defects / Reports: 1.54

# Number of Defects - CVSA Inspections '16

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	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	25
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	22
13	DUNNAGE, ANCHOR POINTS, FITTINGS	4
14	CHAMBERS, RESERVOIR, COMPRESSOR	4
15	HOSE, LINES, COUPLING, VALVES	6
16	LINING, DRUMS, DISCS	1
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	18
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	2
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	2
23	STEERING WHEEL, COLUMN, GEAR BOX	3
24	FRONT AXLE BEAM, PITMAN ARM	3
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	6
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	3
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	1
34	BENT, BROKEN, CRACKED, LOOSE	2
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	3
40	CARGO TANK	3
53	UNIVERSAL JOINT	2

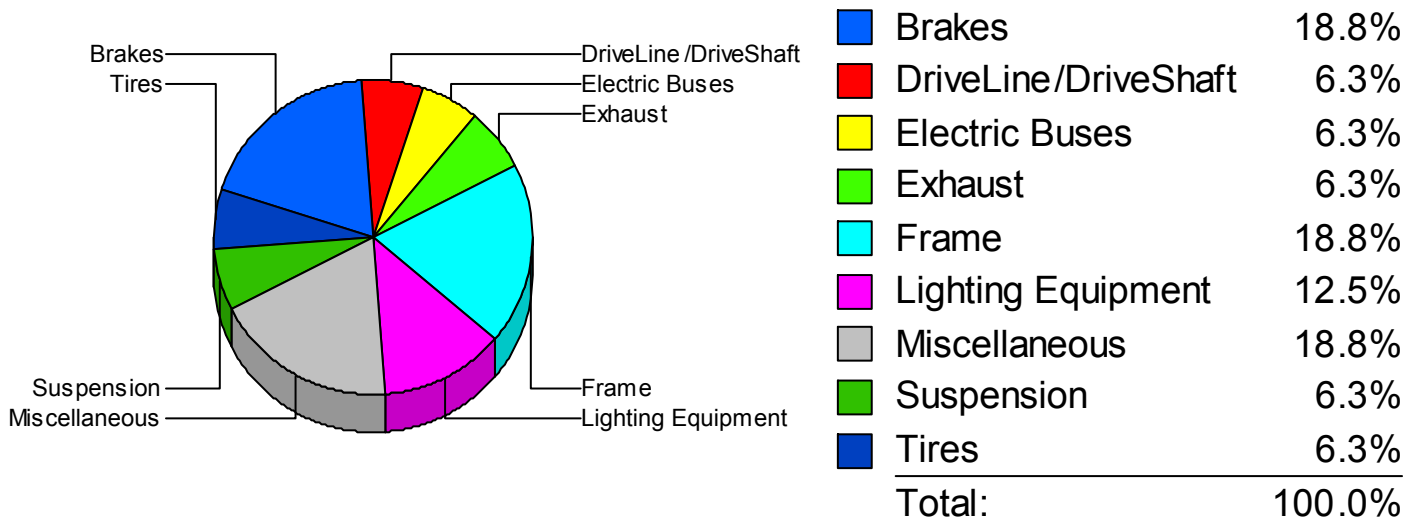
**Total Defects: 137**

**Total Reports: 89**

**Defects / Reports: 1.54**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	3
DriveLine/DriveShaft	1
Electric Buses	1
Exhaust	1
Frame	3
Lighting Equipment	2
Miscellaneous	3
Suspension	1
Tires	1

Defect Category: Both

Total Defects: 16

Total Reports: 52

Defects / Reports: 0.31

# Number of Defects - CVSA Inspections '16

P2 - Public Service Bus - Manitoba Registration Only

Manitoba  
Infrastructure



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
6	LEAK, LOCATION	1
7	CROSS MEMBER-BROKEN, SAGGING	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	2
16	LINING, DRUMS, DISCS	1
18	AUDIBLE AIR LEAK, PUSH ROD	1
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	1
42	ELECTICAL (BUSES)	1
53	UNIVERSAL JOINT	1
99	MISCELLANEOUS	3

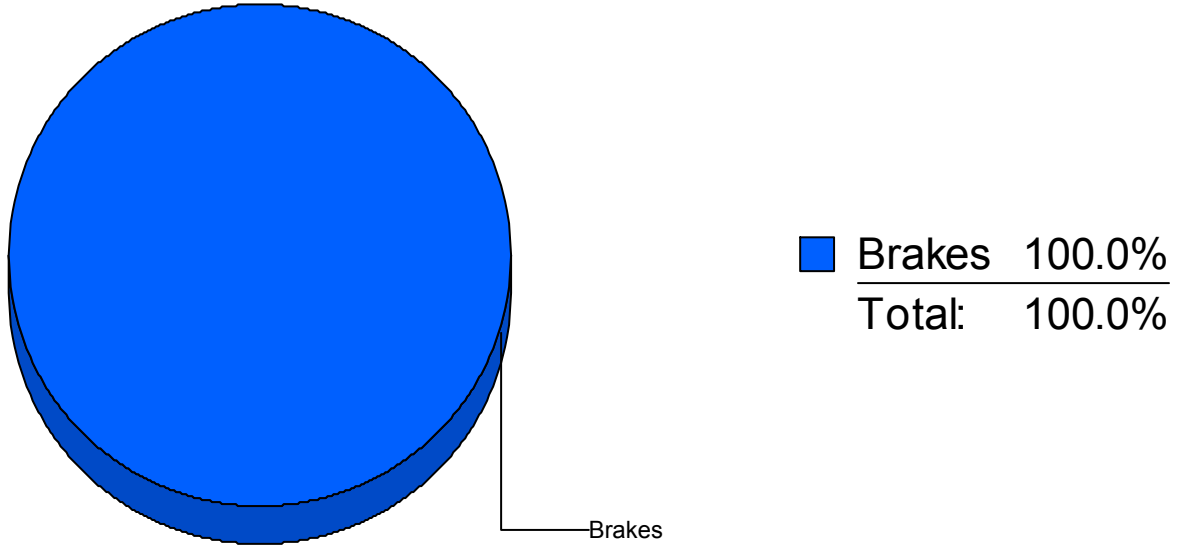
**Total Defects: 16**

**Total Reports: 52**

**Defects / Reports: 0.31**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	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 '16

P2 - Public Service Bus - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
16	LINING, DRUMS, DISCS	1

**Total Defects: 1**

**Total Reports: 1**

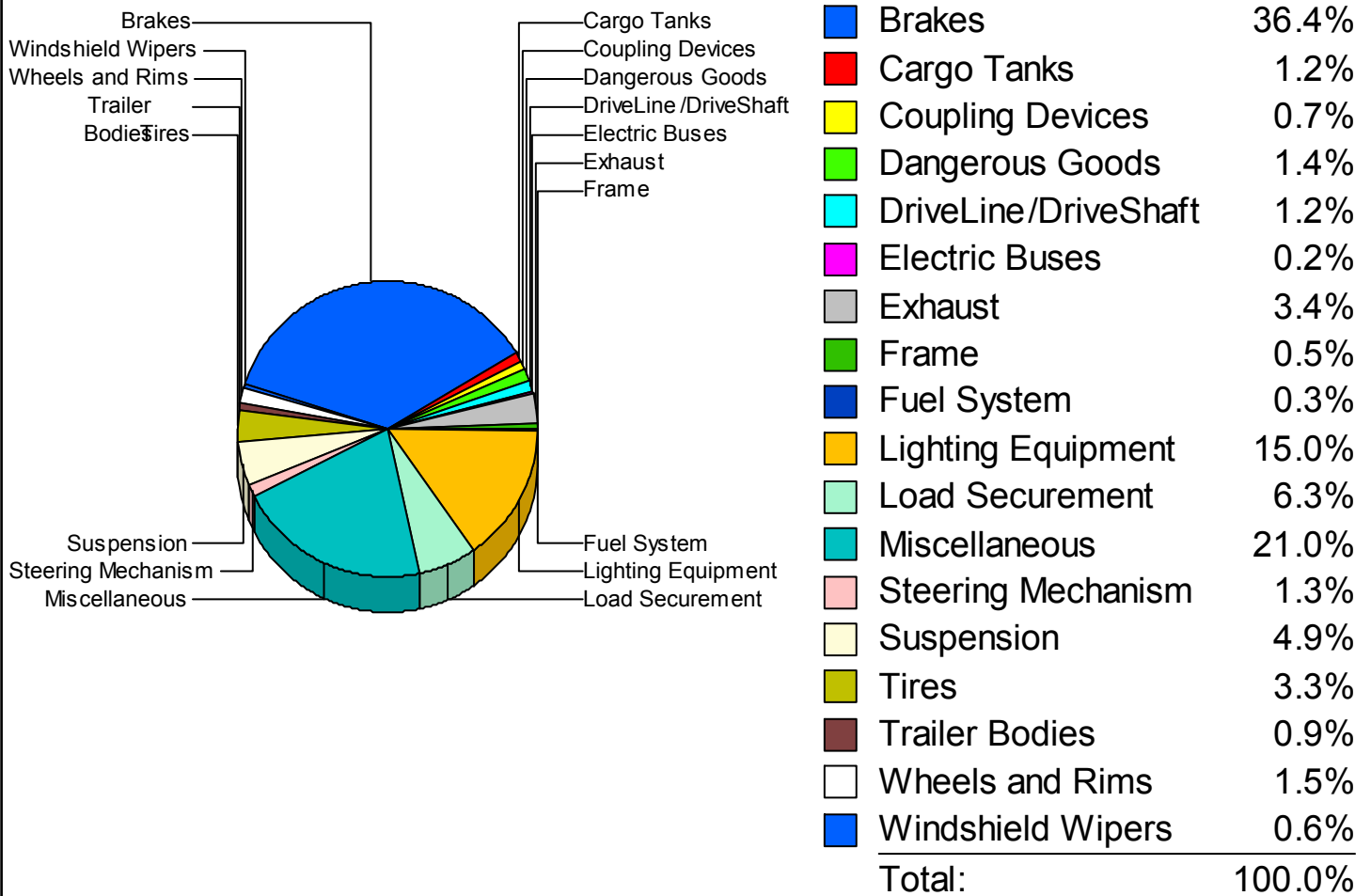
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**Defects / Reports: 1.00**

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# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	464
Cargo Tanks	15
Coupling Devices	9
Dangerous Goods	18
DriveLine/DriveShaft	15
Electric Buses	2
Exhaust	43
Frame	7
Fuel System	4
Lighting Equipment	192
Load Securement	80
Miscellaneous	268
Steering Mechanism	16
Suspension	63
Tires	42
Trailer Bodies	11
Wheels and Rims	19
Windshield Wipers	8

Defect Category: Both

Total Defects: 1,276

Total Reports: 1,113

Defects / Reports: 1.15



# Number of Defects - CVSA Inspections '16

P4 - 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	4
3	FASTENERS, STOPS, MOUNTING	4
6	LEAK, LOCATION	43
7	CROSS MEMBER-BROKEN, SAGGING	7
8	FUEL SYSTEM LEAK, CAP MISSING	3
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	168
11	PROJECTING LOAD LAMPS, CLEARANCE	24
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	66
13	DUNNAGE, ANCHOR POINTS, FITTINGS	14
14	CHAMBERS, RESERVOIR, COMPRESSOR	35
15	HOSE, LINES, COUPLING, VALVES	83
16	LINING, DRUMS, DISCS	15
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	178
19	SLACK ADJUSTER, CAM SHAFT	11
20	PARK BRAKE, SPRING BRAKE	19
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	112
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	4
23	STEERING WHEEL, COLUMN, GEAR BOX	6
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	35
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	9
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	19
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	2
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	6
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	15
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
37	INOPERATIVE, MISSING, DAMAGED	8
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	42
39	DANGEROUS GOODS	18
40	CARGO TANK	15
42	ELECTICAL (BUSES)	2
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
53	UNIVERSAL JOINT	9
54	CENTER BEARING - (CARRIER BEARING)	2
55	DRIVESHAFT TUBE	1
99	MISCELLANEOUS	268

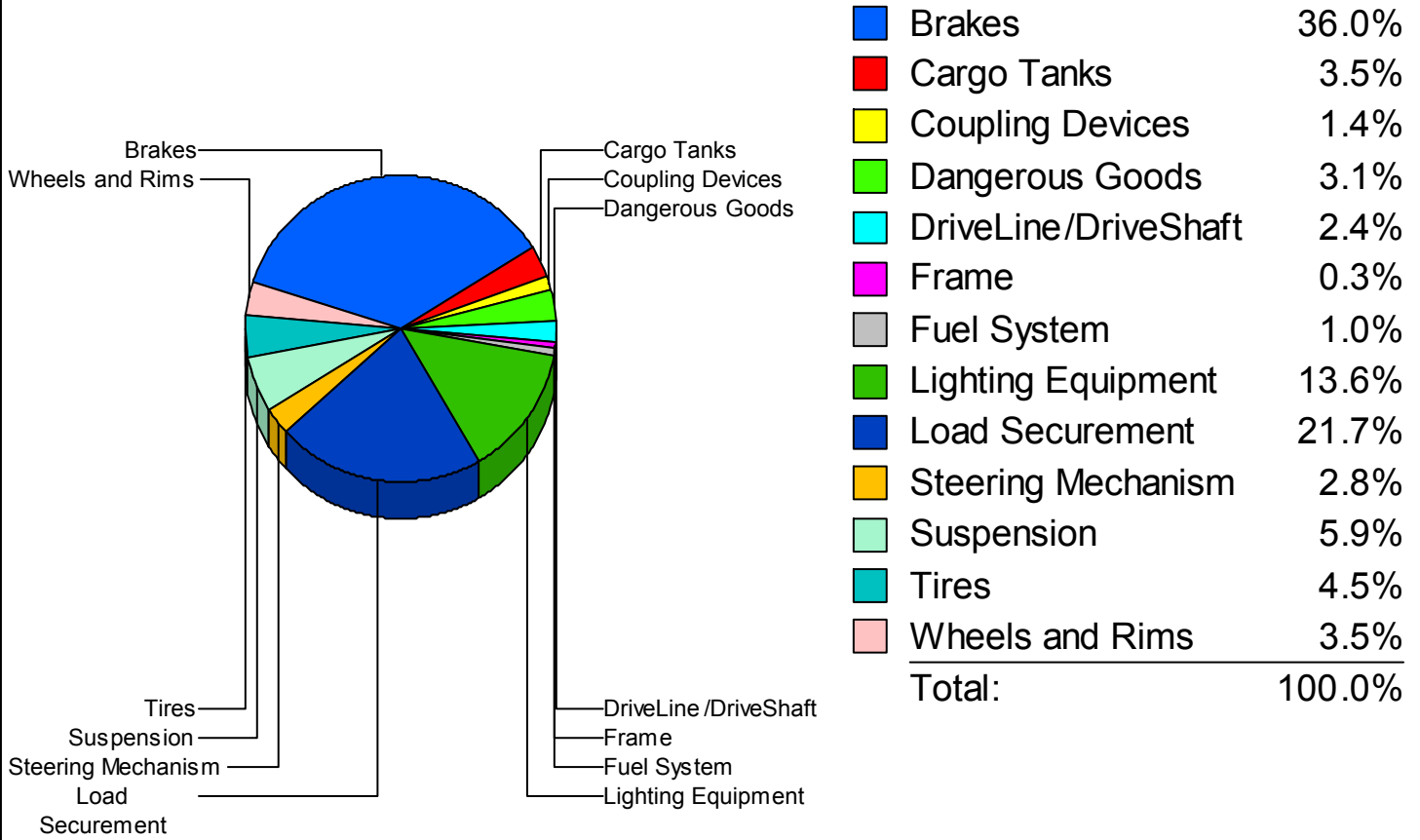
**Total Defects: 1,276**

**Total Reports: 1,113**

**Defects / Reports: 1.15**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	103
Cargo Tanks	10
Coupling Devices	4
Dangerous Goods	9
DriveLine/DriveShaft	7
Frame	1
Fuel System	3
Lighting Equipment	39
Load Securement	62
Steering Mechanism	8
Suspension	17
Tires	13
Wheels and Rims	10

Defect Category: Out of Service

Total Defects: 286

Total Reports: 233

Defects / Reports: 1.23

# Number of Defects - CVSA Inspections '16

P4 - Public Service Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
3	FASTENERS, STOPS, MOUNTING	3
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	39
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	57
13	DUNNAGE, ANCHOR POINTS, FITTINGS	5
14	CHAMBERS, RESERVOIR, COMPRESSOR	8
15	HOSE, LINES, COUPLING, VALVES	24
16	LINING, DRUMS, DISCS	8
17	T.P. VALVE, L.A. WARNING DEVICE	7
18	AUDIBLE AIR LEAK, PUSH ROD	28
19	SLACK ADJUSTER, CAM SHAFT	1
20	PARK BRAKE, SPRING BRAKE	17
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	4
23	STEERING WHEEL, COLUMN, GEAR BOX	3
24	FRONT AXLE BEAM, PITMAN ARM	1
26	TIE-RODS, DRAG LINKS, NUTS	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	7
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	8
34	BENT, BROKEN, CRACKED, LOOSE	7
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	13
39	DANGEROUS GOODS	9
40	CARGO TANK	10
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	2
53	UNIVERSAL JOINT	4
54	CENTER BEARING - (CARRIER BEARING)	1

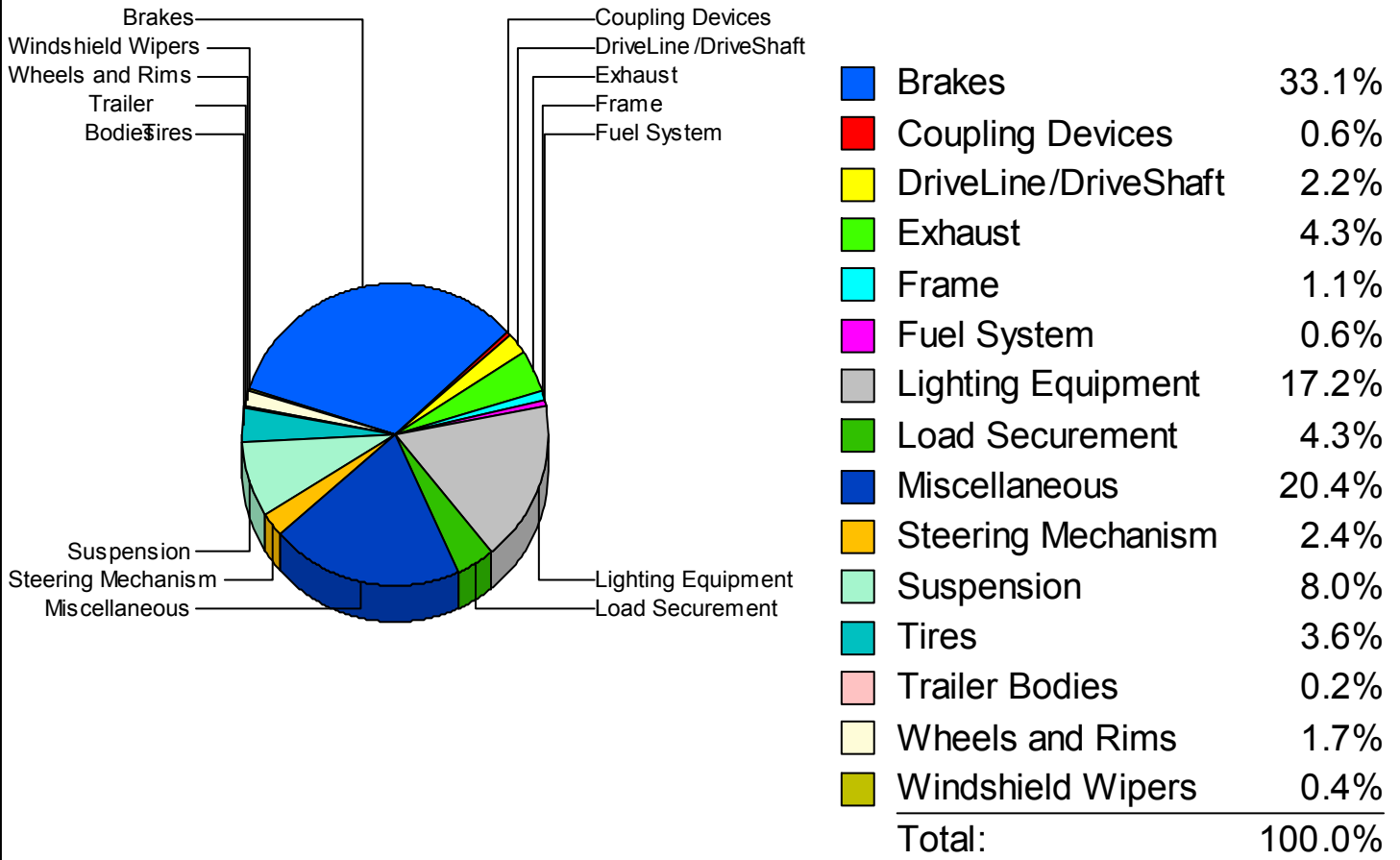
**Total Defects: 286**

**Total Reports: 233**

**Defects / Reports: 1.23**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	177
Coupling Devices	3
DriveLine/DriveShaft	12
Exhaust	23
Frame	6
Fuel System	3
Lighting Equipment	92
Load Securement	23
Miscellaneous	109
Steering Mechanism	13
Suspension	43
Tires	19
Trailer Bodies	1
Wheels and Rims	9
Windshield Wipers	2

Defect Category: Both  
Total Defects: 535  
Total Reports: 236  
Defects / Reports: 2.27

# Number of Defects - CVSA Inspections '16

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	2
6	LEAK, LOCATION	23
7	CROSS MEMBER-BROKEN, SAGGING	6
8	FUEL SYSTEM LEAK, CAP MISSING	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	82
11	PROJECTING LOAD LAMPS, CLEARANCE	10
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	15
13	DUNNAGE, ANCHOR POINTS, FITTINGS	8
14	CHAMBERS, RESERVOIR, COMPRESSOR	12
15	HOSE, LINES, COUPLING, VALVES	30
16	LINING, DRUMS, DISCS	3
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	79
19	SLACK ADJUSTER, CAM SHAFT	5
20	PARK BRAKE, SPRING BRAKE	10
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	34
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	3
23	STEERING WHEEL, COLUMN, GEAR BOX	5
24	FRONT AXLE BEAM, PITMAN ARM	3
25	POWER STEERING, BALL / SOCKET JOINTS	3
26	TIE-RODS, DRAG LINKS, NUTS	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	34
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	6
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
34	BENT, BROKEN, CRACKED, LOOSE	3
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	6
37	INOPERATIVE, MISSING, DAMAGED	2
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	19
52	YOKE ENDS - SLIP YOKE, YOKE SHAFT, TUBE YOKE, END FITTING YOKE	3
53	UNIVERSAL JOINT	5
54	CENTER BEARING - (CARRIER BEARING)	4
99	MISCELLANEOUS	109

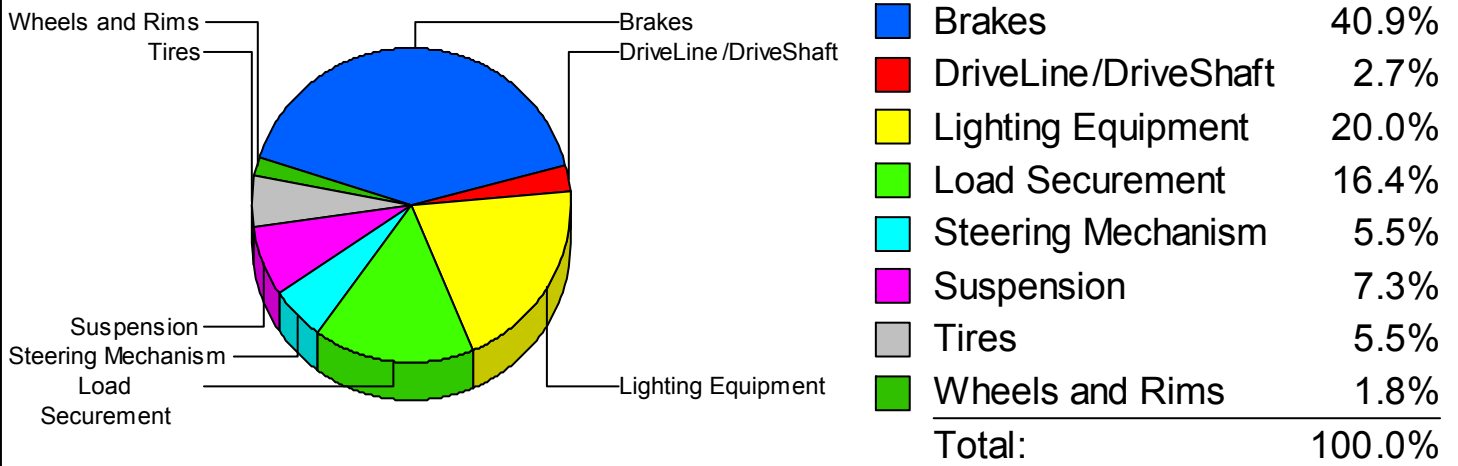
**Total Defects: 535**

**Total Reports: 236**

**Defects / Reports: 2.27**

# 2016 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	45
DriveLine/DriveShaft	3
Lighting Equipment	22
Load Securement	18
Steering Mechanism	6
Suspension	8
Tires	6
Wheels and Rims	2

Defect Category: Out of Service

Total Defects: 110  
Total Reports: 72  
Defects / Reports: 1.53

# Number of Defects - CVSA Inspections '16

P8 - Limited Public Service Truck - Manitoba Registration Only

Manitoba  
Infrastructure



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	22
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	14
13	DUNNAGE, ANCHOR POINTS, FITTINGS	4
14	CHAMBERS, RESERVOIR, COMPRESSOR	4
15	HOSE, LINES, COUPLING, VALVES	7
16	LINING, DRUMS, DISCS	2
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	22
20	PARK BRAKE, SPRING BRAKE	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	3
23	STEERING WHEEL, COLUMN, GEAR BOX	1
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	6
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	1
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	1
34	BENT, BROKEN, CRACKED, LOOSE	1
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	6
53	UNIVERSAL JOINT	3

**Total Defects: 110**

**Total Reports: 72**

**Defects / Reports: 1.53**

# 2016 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 '16

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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# 2016 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 '16

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 '16

Non NSC - Light Duty 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	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	4
6	LEAK, LOCATION	7
7	CROSS MEMBER-BROKEN, SAGGING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	78
11	PROJECTING LOAD LAMPS, CLEARANCE	6
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	27
13	DUNNAGE, ANCHOR POINTS, FITTINGS	1
14	CHAMBERS, RESERVOIR, COMPRESSOR	5
15	HOSE, LINES, COUPLING, VALVES	2
16	LINING, DRUMS, DISCS	1
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	2
19	SLACK ADJUSTER, CAM SHAFT	1
20	PARK BRAKE, SPRING BRAKE	29
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	9
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	24
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	3
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	1
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	2
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	12
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	5
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	6
40	CARGO TANK	1
41	EMERGENCY EXITS	1
54	CENTER BEARING - (CARRIER BEARING)	2
99	MISCELLANEOUS	78

**Total Defects: 314**

**Total Reports: 143**

**Defects / Reports: 2.20**

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for the purpose of duplex printing*

# Number of Defects - CVSA Inspections '16

Non NSC - Light Duty 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
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	4
6	LEAK, LOCATION	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	40
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	25
13	DUNNAGE, ANCHOR POINTS, FITTINGS	1
14	CHAMBERS, RESERVOIR, COMPRESSOR	1
16	LINING, DRUMS, DISCS	1
17	T.P. VALVE, L.A. WARNING DEVICE	1
19	SLACK ADJUSTER, CAM SHAFT	1
20	PARK BRAKE, SPRING BRAKE	27
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	24
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	10
36	ELONGATED HOLES, WELDED REPAIRS	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	2

**Total Defects: 143**

**Total Reports: 75**

**Defects / Reports: 1.91**