

**MANITOBA  
INFRASTRUCTURE  
AND  
TRANSPORTATION**

**2010 CVSA INSPECTIONS**

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# **2010 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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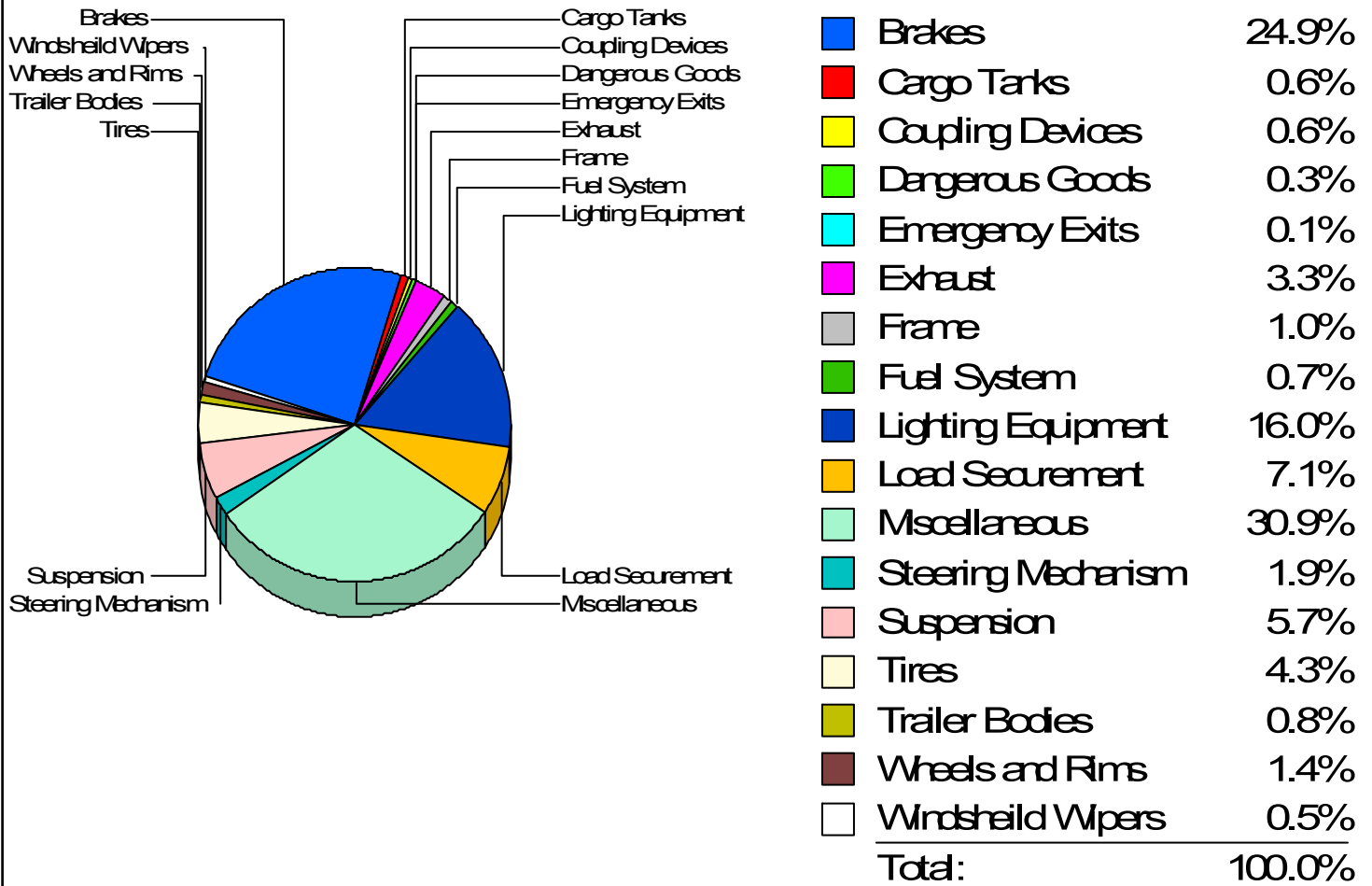
# 2010 CVSA INSPECTIONS

## Results by Base Jurisdiction

Truck Jurisdiction	Inspection Result			Total	Percentage (%)
	Pass	Fail	OOS		
ALABAMA	1	0	0	1	0.02%
ALBERTA	235	55	39	329	5.08%
ARIZONA	5	1	2	8	0.12%
BRITISH COLUMBIA	122	22	20	164	2.53%
CALIFORNIA	1	1	0	2	0.03%
FLORIDA	0	1	0	1	0.02%
GEORGIA	1	0	1	2	0.03%
IDAHO	0	0	1	1	0.02%
ILLINOIS	12	7	3	22	0.34%
INDIANA	18	7	1	26	0.40%
IOWA	6	3	1	10	0.15%
MAINE	0	1	0	1	0.02%
MANITOBA	2,575	976	927	4,478	69.13%
MICHIGAN	5	0	0	5	0.08%
MINNESOTA	54	27	11	92	1.42%
MISSOURI	4	0	0	4	0.06%
MONTANA	4	1	0	5	0.08%
NEBRASKA	6	1	0	7	0.11%
NEVADA	0	1	0	1	0.02%
NEW BRUNSWICK	55	11	8	74	1.14%
NEW MEXICO	0	0	1	1	0.02%
NEW YORK	1	0	0	1	0.02%
NEWFOUNDLAND	1	0	0	1	0.02%
NORTH CAROLINA	1	2	0	3	0.05%
NORTH DAKOTA	33	27	11	71	1.10%
NOVA SCOTIA	4	1	2	7	0.11%
OHIO	3	3	1	7	0.11%
OKLAHOMA	1	1	1	3	0.05%
ONTARIO	619	93	79	791	12.21%
OREGON	2	0	0	2	0.03%
PENNSYLVANIA	0	0	1	1	0.02%
PRINCE EDWARD ISLAND	1	0	0	1	0.02%
QUEBEC	47	10	15	72	1.11%
SASKATCHEWAN	123	64	54	241	3.72%
SOUTH DAKOTA	7	4	0	11	0.17%
TENNESSEE	2	1	0	3	0.05%
TEXAS	3	3	0	6	0.09%
VIRGINIA	1	0	0	1	0.02%
WASHINGTON	1	0	0	1	0.02%
WISCONSIN	11	7	1	19	0.29%
WYOMING	1	0	0	1	0.02%
YUKON TERRITORY	0	0	1	1	0.02%
<b>TOTALS</b>	<b>3,966</b>	<b>1,331</b>	<b>1,181</b>	<b>6,478</b>	<b>100%</b>
Percentage(%)	61.22%	20.55%	18.23%	100%	

# 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1,580
Cargo Tanks	36
Coupling Devices	41
Dangerous Goods	16
Emergency Exits	4
Exhaust	210
Frame	62
Fuel System	46
Lighting Equipment	1,015
Load Securement	449
Miscellaneous	1,965
Steering Mechanism	122
Suspension	362
Tires	275
Trailer Bodies	52
Wheels and Rims	90
Windsheld Wipers	32

Defect Category: Both  
Total Defects: 6,357  
Total Reports: 6,478  
Defects / Reports: 0.98

# Number of Defects - CVSA Inspections '10

Manitoba  
Infrastructure and  
Transportation



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	13
3	FASTENERS, STOPS, MOUNTING	7
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	6
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	13
6	LEAK, LOCATION	210
7	CROSS MEMBER-BROKEN, SAGGING	62
8	FUEL SYSTEM LEAK, CAP MISSING	32
9	UNSECURED TANK	14
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	911
11	PROJECTING LOAD LAMPS, CLEARANCE	104
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	361
13	DUNNAGE, ANCHOR POINTS, FITTINGS	88
14	CHAMBERS, RESERVOIR, COMPRESSOR	106
15	HOSE, LINES, COUPLING, VALVES	375
16	LINING, DRUMS, DISCS	65
17	T.P. VALVE, L.A. WARNING DEVICE	47
18	AUDIBLE AIR LEAK, PUSH ROD	591
19	SLACK ADJUSTER, CAM SHAFT	64
20	PARK BRAKE, SPRING BRAKE	182
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	61
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	89
23	STEERING WHEEL, COLUMN, GEAR BOX	22
24	FRONT AXLE BEAM, PITMAN ARM	24
25	POWER STEERING, BALL / SOCKET JOINTS	40
26	TIE-RODS, DRAG LINKS, NUTS	32
27	STEERING SYSTEM, C-DOLLY	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	184
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	101
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	77
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	6
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	30
33	SIDE PANELS - BAY AREA DAMAGE	16
34	BENT, BROKEN, CRACKED, LOOSE	41
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	48
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	32
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	275
39	DANGEROUS GOODS	16
40	CARGO TANKS	36
41	EMERGENCY EXITS	4
42+	MISCELLANEOUS	1,965

**Total Defects: 6,357**

**Total Reports: 6,478**

**Defects / Reports: 0.98**

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# Number of Defects - CVSA Inspections '10

Manitoba  
Infrastructure and  
Transportation



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
42+	MISCELLANEOUS	578

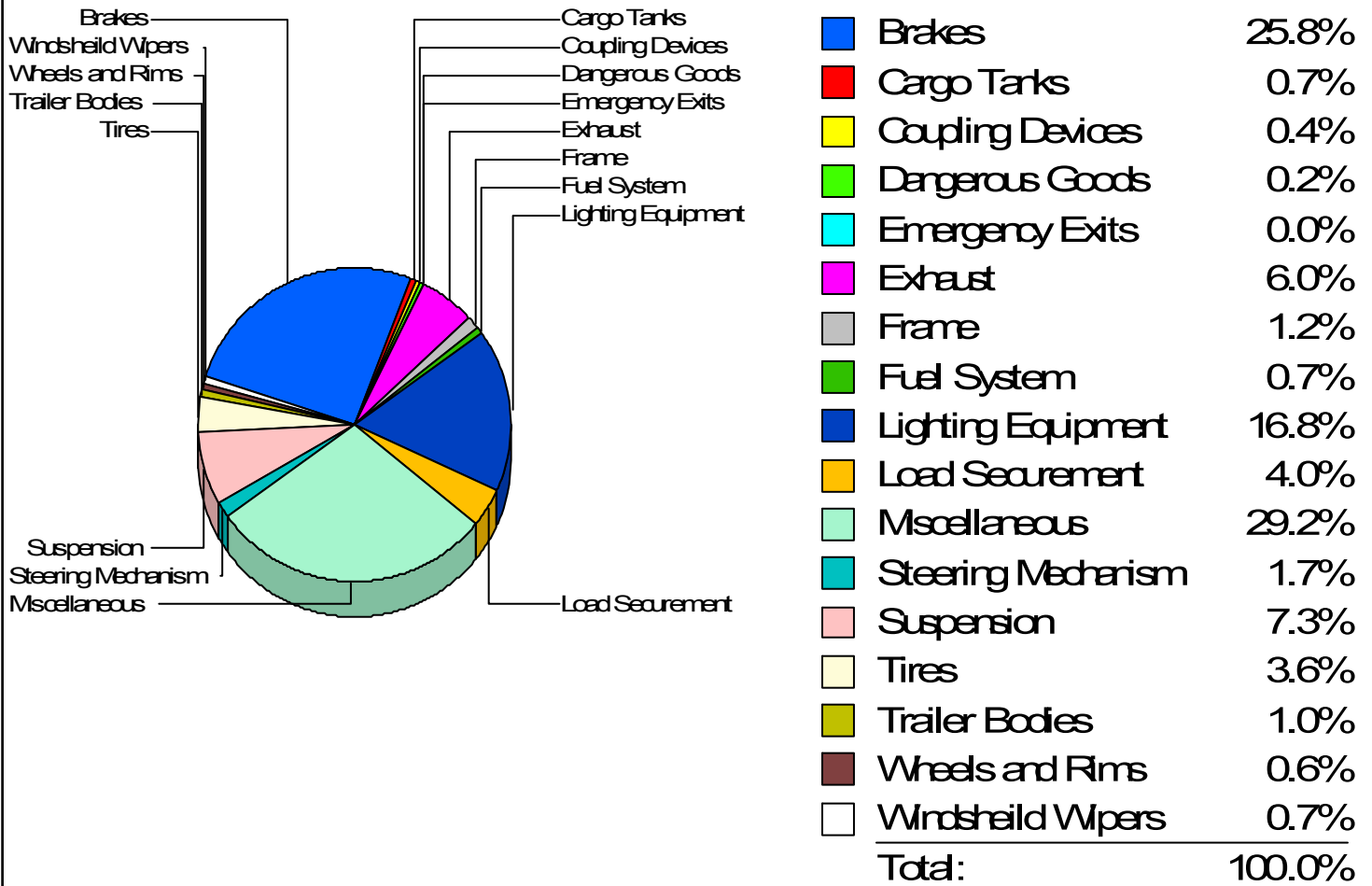
**Total Defects: 578**

**Total Reports: 3,966**

**Defects / Reports: 0.15**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	561
Cargo Tanks	16
Coupling Devices	9
Dangerous Goods	4
Emergency Exits	1
Exhaust	130
Frame	27
Fuel System	15
Lighting Equipment	366
Load Securement	86
Miscellaneous	636
Steering Mechanism	37
Suspension	159
Tires	79
Trailer Bodies	21
Wheels and Rims	13
Windsheld Wipers	16

Defect Category: Fail Conditional

Total Defects: 2,176  
Total Reports: 1,331  
Defects / Reports: 1.63

# Number of Defects - CVSA Inspections '10

Manitoba  
Infrastructure and  
Transportation



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	5
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	2
6	LEAK, LOCATION	130
7	CROSS MEMBER-BROKEN, SAGGING	27
8	FUEL SYSTEM LEAK, CAP MISSING	7
9	UNSECURED TANK	8
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	310
11	PROJECTING LOAD LAMPS, CLEARANCE	56
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	62
13	DUNNAGE, ANCHOR POINTS, FITTINGS	24
14	CHAMBERS, RESERVOIR, COMPRESSOR	35
15	HOSE, LINES, COUPLING, VALVES	134
16	LINING, DRUMS, DISCS	20
17	T.P. VALVE, L.A. WARNING DEVICE	12
18	AUDIBLE AIR LEAK, PUSH ROD	259
19	SLACK ADJUSTER, CAM SHAFT	22
20	PARK BRAKE, SPRING BRAKE	44
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	28
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	7
23	STEERING WHEEL, COLUMN, GEAR BOX	7
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	13
26	TIE-RODS, DRAG LINKS, NUTS	13
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	91
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	34
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	34
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	5
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	12
33	SIDE PANELS - BAY AREA DAMAGE	4
34	BENT, BROKEN, CRACKED, LOOSE	6
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	6
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	16
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	79
39	DANGEROUS GOODS	4
40	CARGO TANKS	16
41	EMERGENCY EXITS	1
42+	MISCELLANEOUS	636

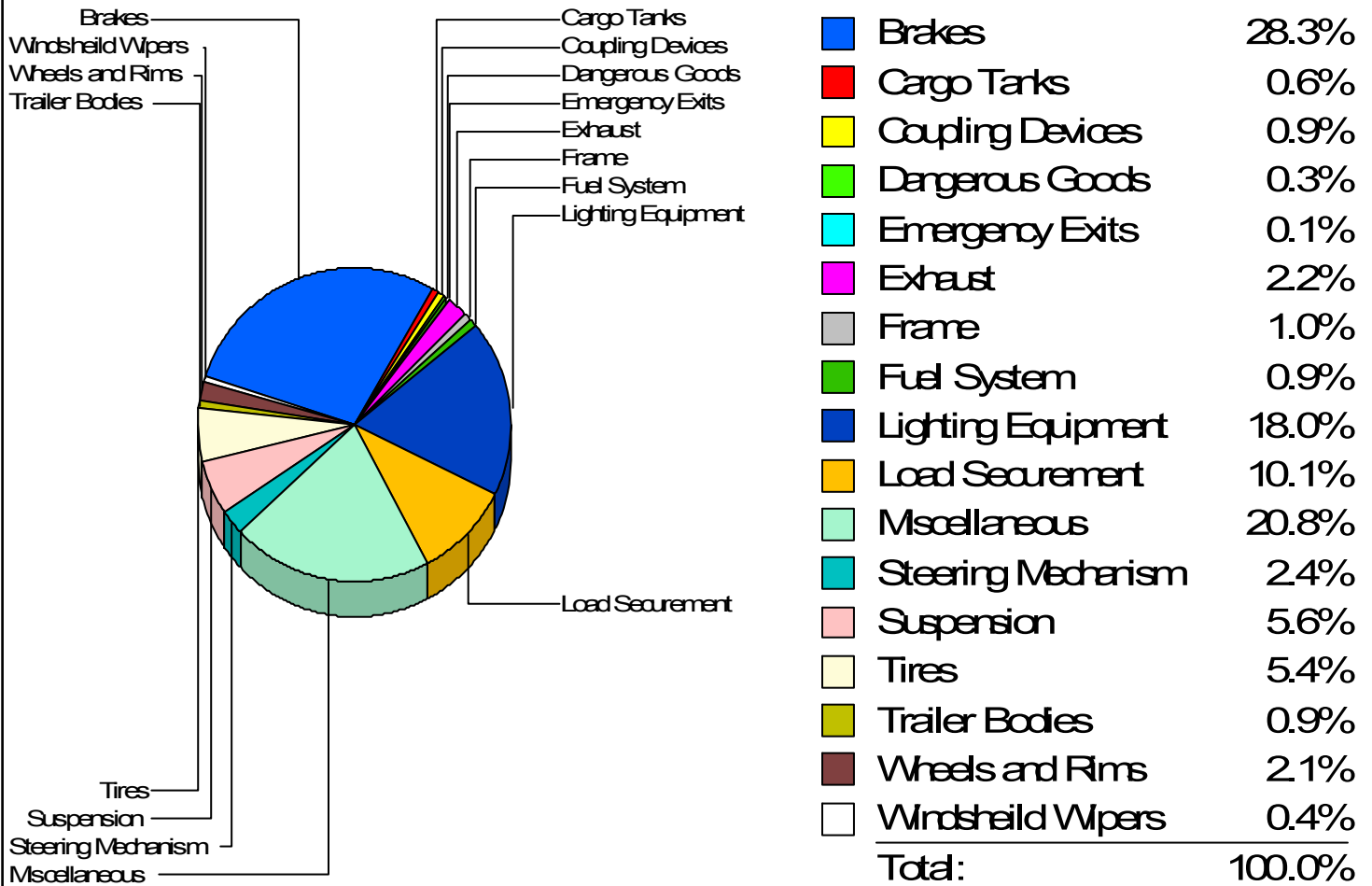
**Total Defects: 2,176**

**Total Reports: 1,331**

**Defects / Reports: 1.63**

# 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	1,019
Cargo Tanks	20
Coupling Devices	32
Dangerous Goods	12
Emergency Exits	3
Exhaust	80
Frame	35
Fuel System	31
Lighting Equipment	649
Load Securement	363
Miscellaneous	751
Steering Mechanism	85
Suspension	203
Tires	196
Trailer Bodies	31
Wheels and Rims	77
Windshield Wipers	16

Defect Category: Both  
 Total Defects: 3,603  
 Total Reports: 1,181  
 Defects / Reports: 3.05

# Number of Defects - CVSA Inspections '10

Manitoba  
Infrastructure and  
Transportation



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	8
3	FASTENERS, STOPS, MOUNTING	6
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	6
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	11
6	LEAK, LOCATION	80
7	CROSS MEMBER-BROKEN, SAGGING	35
8	FUEL SYSTEM LEAK, CAP MISSING	25
9	UNSECURED TANK	6
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	601
11	PROJECTING LOAD LAMPS, CLEARANCE	48
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	299
13	DUNNAGE, ANCHOR POINTS, FITTINGS	64
14	CHAMBERS, RESERVOIR, COMPRESSOR	71
15	HOSE, LINES, COUPLING, VALVES	241
16	LINING, DRUMS, DISCS	45
17	T.P. VALVE, L.A. WARNING DEVICE	35
18	AUDIBLE AIR LEAK, PUSH ROD	332
19	SLACK ADJUSTER, CAM SHAFT	42
20	PARK BRAKE, SPRING BRAKE	138
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	33
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	82
23	STEERING WHEEL, COLUMN, GEAR BOX	15
24	FRONT AXLE BEAM, PITMAN ARM	22
25	POWER STEERING, BALL / SOCKET JOINTS	27
26	TIE-RODS, DRAG LINKS, NUTS	19
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	93
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	67
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	43
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	18
33	SIDE PANELS - BAY AREA DAMAGE	12
34	BENT, BROKEN, CRACKED, LOOSE	35
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	42
37	INOPERATIVE, MISSING, DAMAGED	16
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	196
39	DANGEROUS GOODS	12
40	CARGO TANKS	20
41	EMERGENCY EXITS	3
42+	MISCELLANEOUS	751

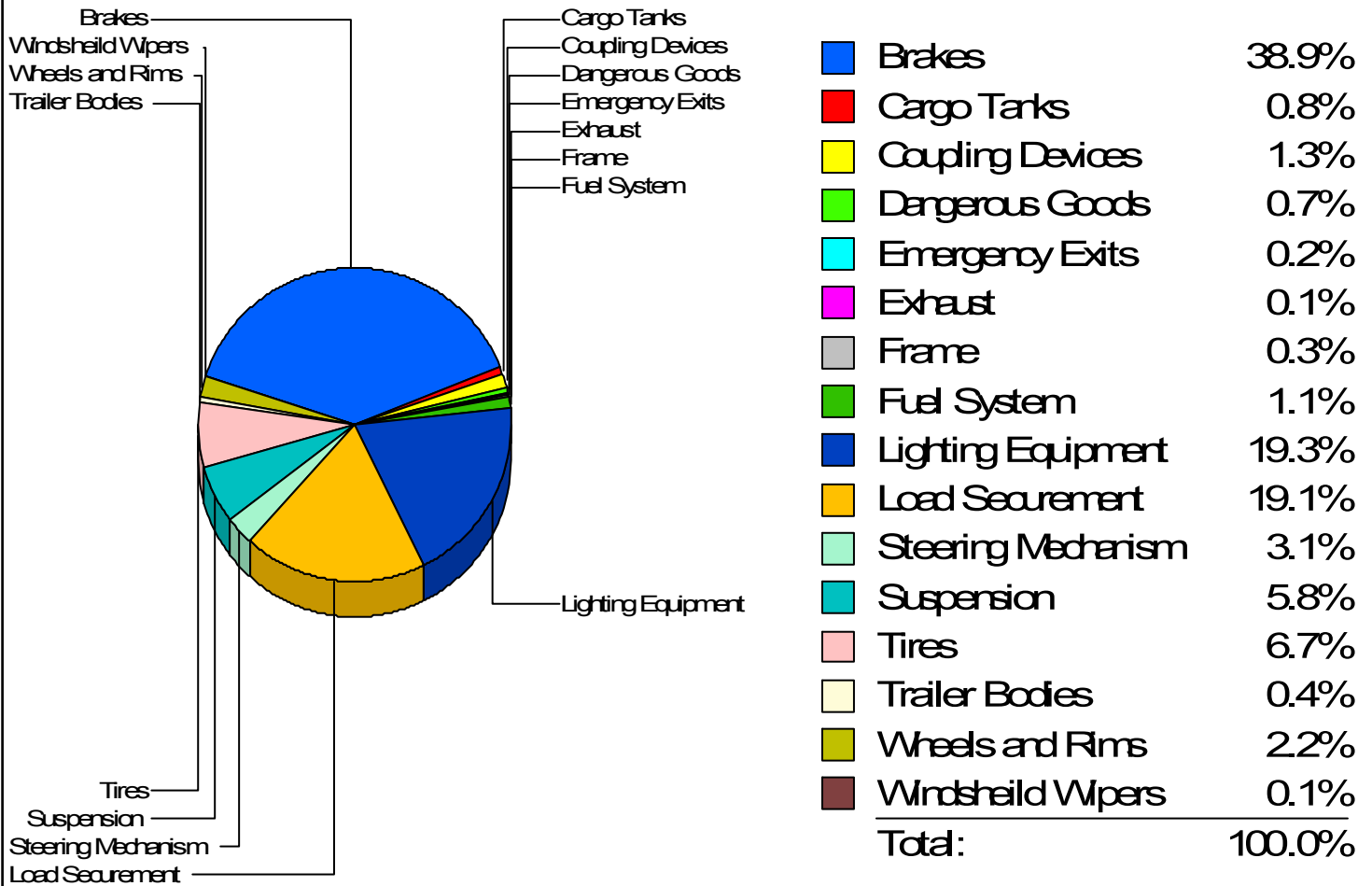
**Total Defects: 3,603**

**Total Reports: 1,181**

**Defects / Reports: 3.05**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	649
Cargo Tanks	14
Coupling Devices	22
Dangerous Goods	11
Emergency Exits	3
Exhaust	1
Frame	5
Fuel System	19
Lighting Equipment	322
Load Securement	318
Steering Mechanism	51
Suspension	96
Tires	112
Trailer Bodies	7
Wheels and Rims	37
Windsheild Wipers	1

Defect Category: Out of Service

Total Defects: 1,668  
Total Reports: 1,181  
Defects / Reports: 1.41

# Number of Defects - CVSA Inspections '10

Manitoba  
Infrastructure and  
Transportation



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	7
3	FASTENERS, STOPS, MOUNTING	4
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	3
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	7
6	LEAK, LOCATION	1
7	CROSS MEMBER-BROKEN, SAGGING	5
8	FUEL SYSTEM LEAK, CAP MISSING	16
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	314
11	PROJECTING LOAD LAMPS, CLEARANCE	8
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	268
13	DUNNAGE, ANCHOR POINTS, FITTINGS	50
14	CHAMBERS, RESERVOIR, COMPRESSOR	43
15	HOSE, LINES, COUPLING, VALVES	127
16	LINING, DRUMS, DISCS	31
17	T.P. VALVE, L.A. WARNING DEVICE	30
18	AUDIBLE AIR LEAK, PUSH ROD	187
19	SLACK ADJUSTER, CAM SHAFT	26
20	PARK BRAKE, SPRING BRAKE	111
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	18
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	76
23	STEERING WHEEL, COLUMN, GEAR BOX	8
24	FRONT AXLE BEAM, PITMAN ARM	19
25	POWER STEERING, BALL / SOCKET JOINTS	14
26	TIE-RODS, DRAG LINKS, NUTS	9
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	38
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	34
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	24
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	4
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	24
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	13
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	112
39	DANGEROUS GOODS	11
40	CARGO TANKS	14
41	EMERGENCY EXITS	3

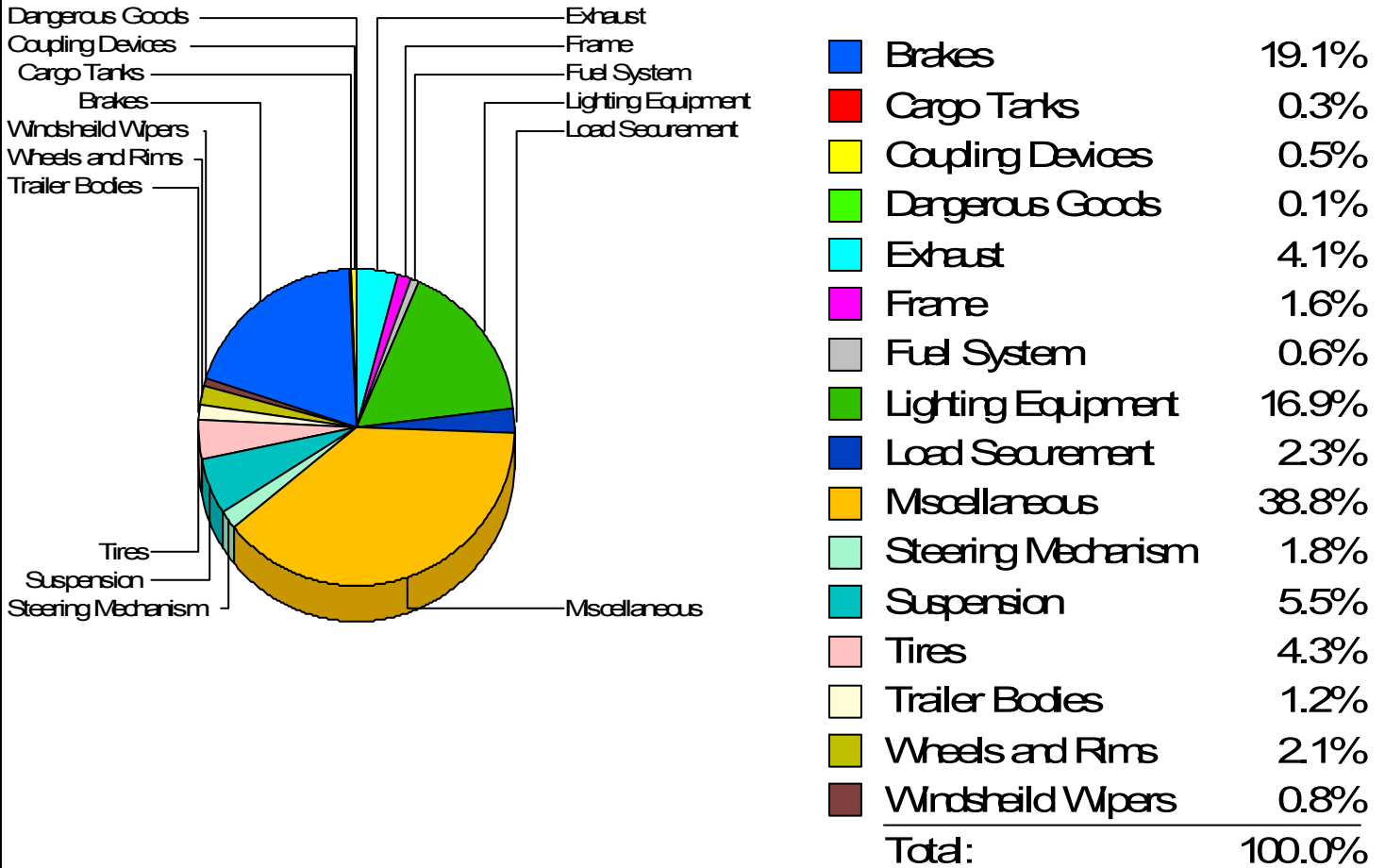
**Total Defects: 1,668**

**Total Reports: 1,181**

**Defects / Reports: 1.41**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	370
Cargo Tanks	6
Coupling Devices	10
Dangerous Goods	1
Exhaust	79
Frame	30
Fuel System	12
Lighting Equipment	327
Load Securement	45
Miscellaneous	751
Steering Mechanism	34
Suspension	107
Tires	84
Trailer Bodies	24
Wheels and Rims	40
Windsheld Wipers	15

### Defect Category: Fail Conditional

Total Defects: 1,935  
Total Reports: 1,181  
Defects / Reports: 1.64

# Number of Defects - CVSA Inspections '10

Manitoba  
Infrastructure and  
Transportation



Category: Out of Service

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
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	4
6	LEAK, LOCATION	79
7	CROSS MEMBER-BROKEN, SAGGING	30
8	FUEL SYSTEM LEAK, CAP MISSING	9
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	287
11	PROJECTING LOAD LAMPS, CLEARANCE	40
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	31
13	DUNNAGE, ANCHOR POINTS, FITTINGS	14
14	CHAMBERS, RESERVOIR, COMPRESSOR	28
15	HOSE, LINES, COUPLING, VALVES	114
16	LINING, DRUMS, DISCS	14
17	T.P. VALVE, L.A. WARNING DEVICE	5
18	AUDIBLE AIR LEAK, PUSH ROD	145
19	SLACK ADJUSTER, CAM SHAFT	16
20	PARK BRAKE, SPRING BRAKE	27
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	15
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	6
23	STEERING WHEEL, COLUMN, GEAR BOX	7
24	FRONT AXLE BEAM, PITMAN ARM	3
25	POWER STEERING, BALL / SOCKET JOINTS	13
26	TIE-RODS, DRAG LINKS, NUTS	10
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	55
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	33
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	19
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	14
33	SIDE PANELS - BAY AREA DAMAGE	9
34	BENT, BROKEN, CRACKED, LOOSE	11
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	29
37	INOPERATIVE, MISSING, DAMAGED	15
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	84
39	DANGEROUS GOODS	1
40	CARGO TANKS	6
42+	MISCELLANEOUS	751

**Total Defects: 1,935**

**Total Reports: 1,181**

**Defects / Reports: 1.64**

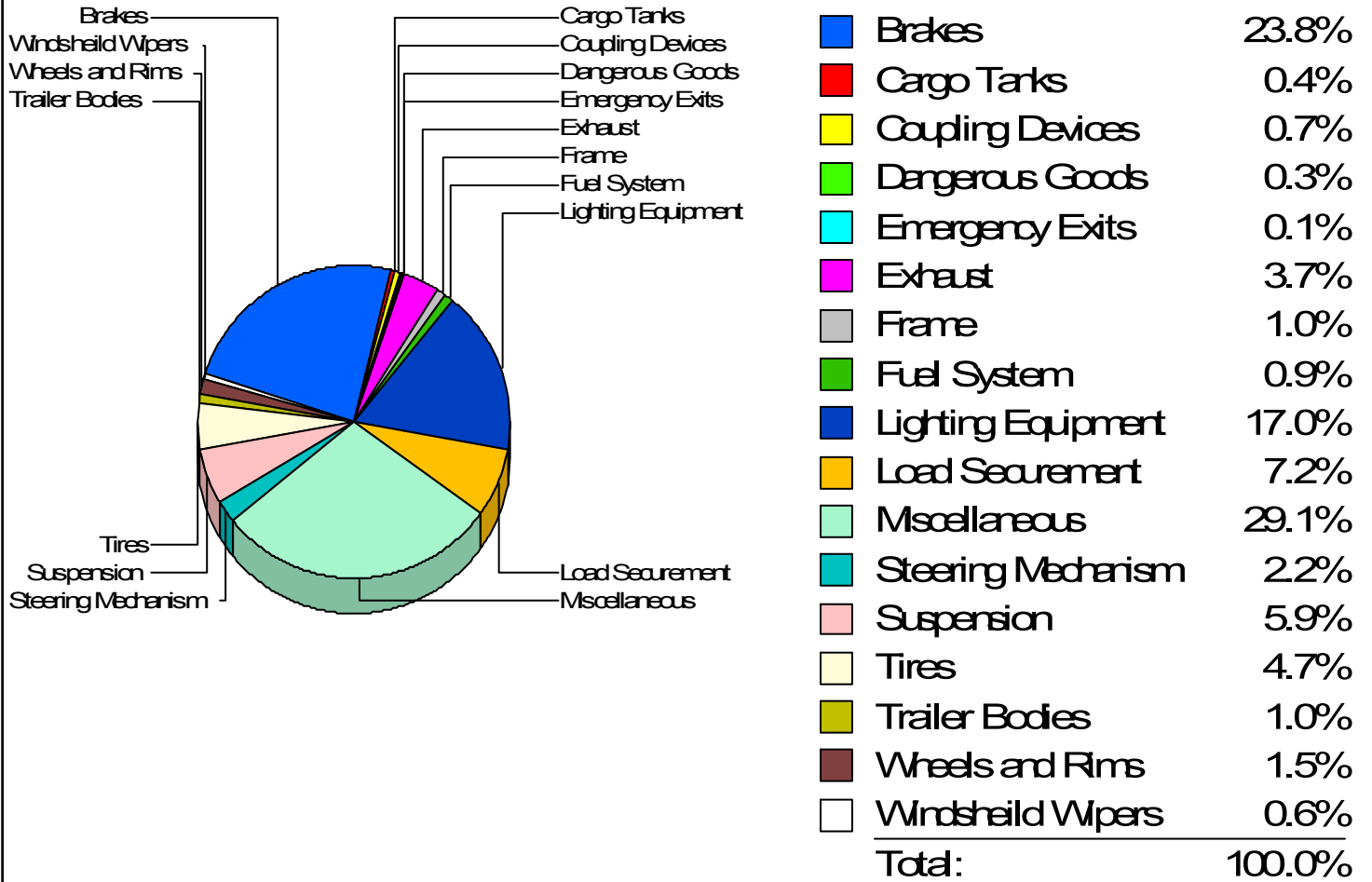
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for the purpose of duplex printing*

**2010 CVSA INSPECTIONS**  
 Inspection Results For Manitoba Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	2,575	976	927	4,478
Percentage of Reports	57.50%	21.80%	20.70%	100%
Defects	404	1,693	2,967	5,064
Defects per Report	0.16	1.73	3.20	1.13

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	1,205
Cargo Tanks	21
Coupling Devices	33
Dangerous Goods	13
Emergency Exits	4
Exhaust	186
Frame	53
Fuel System	44
Lighting Equipment	859
Load Securement	367
Miscellaneous	1,475
Steering Mechanism	111
Suspension	297
Tires	239
Trailer Bodies	49
Wheels and Rims	77
Windsheld Wipers	31

Defect Category: Both  
Total Defects: 5,064  
Total Reports: 4,478  
Defects / Reports: 1.13

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure and  
Transportation



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	8
3	FASTENERS, STOPS, MOUNTING	6
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	6
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	12
6	LEAK, LOCATION	186
7	CROSS MEMBER-BROKEN, SAGGING	53
8	FUEL SYSTEM LEAK, CAP MISSING	31
9	UNSECURED TANK	13
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	777
11	PROJECTING LOAD LAMPS, CLEARANCE	82
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	292
13	DUNNAGE, ANCHOR POINTS, FITTINGS	75
14	CHAMBERS, RESERVOIR, COMPRESSOR	77
15	HOSE, LINES, COUPLING, VALVES	256
16	LINING, DRUMS, DISCS	52
17	T.P. VALVE, L.A. WARNING DEVICE	34
18	AUDIBLE AIR LEAK, PUSH ROD	443
19	SLACK ADJUSTER, CAM SHAFT	46
20	PARK BRAKE, SPRING BRAKE	155
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	55
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	87
23	STEERING WHEEL, COLUMN, GEAR BOX	20
24	FRONT AXLE BEAM, PITMAN ARM	22
25	POWER STEERING, BALL / SOCKET JOINTS	34
26	TIE-RODS, DRAG LINKS, NUTS	31
27	STEERING SYSTEM, C-DOLLY	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	149
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	91
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	57
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	6
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	27
33	SIDE PANELS - BAY AREA DAMAGE	16
34	BENT, BROKEN, CRACKED, LOOSE	33
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	43
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	31
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	239
39	DANGEROUS GOODS	13
40	CARGO TANKS	21
41	EMERGENCY EXITS	4
42+	MISCELLANEOUS	1,475

**Total Defects: 5,064**

**Total Reports: 4,478**

**Defects / Reports: 1.13**

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for the purpose of duplex printing*

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Manitoba

Category: Pass

Defect Category: N/A

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
42+	MISCELLANEOUS	404

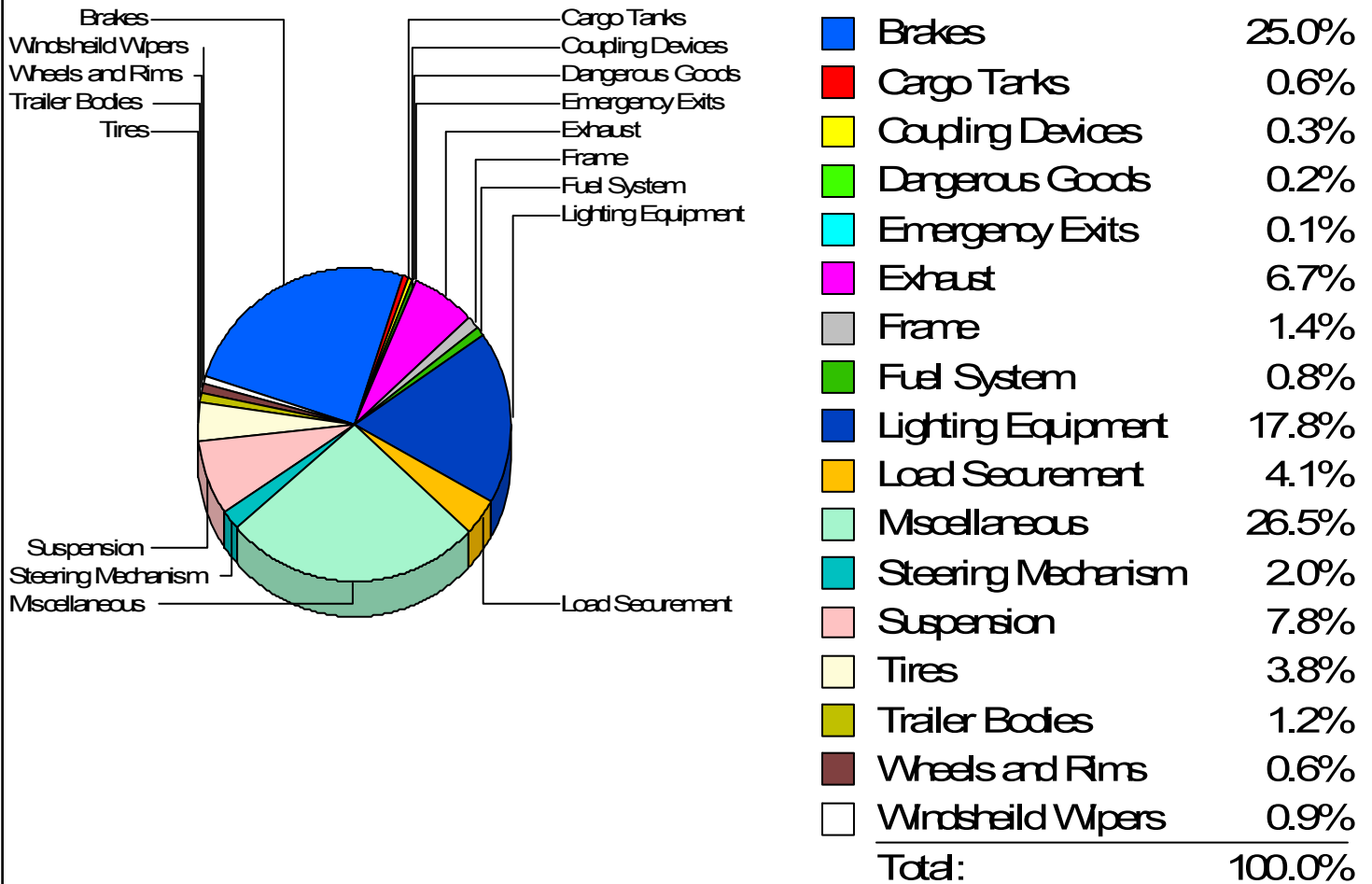
**Total Defects: 404**

**Total Reports: 2,575**

**Defects / Reports: 0.16**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	424
Cargo Tanks	11
Coupling Devices	5
Dangerous Goods	4
Emergency Exits	1
Exhaust	113
Frame	24
Fuel System	14
Lighting Equipment	301
Load Securement	69
Miscellaneous	449
Steering Mechanism	34
Suspension	132
Tires	65
Trailer Bodies	21
Wheels and Rims	11
Windsheld Wipers	15

Defect Category: Fail Conditional

Total Defects: 1,693  
Total Reports: 976  
Defects / Reports: 1.73

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure and  
Transportation



Category: Fail Conditional

Defect Category: Fail Conditional

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	2
6	LEAK, LOCATION	113
7	CROSS MEMBER-BROKEN, SAGGING	24
8	FUEL SYSTEM LEAK, CAP MISSING	7
9	UNSECURED TANK	7
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	255
11	PROJECTING LOAD LAMPS, CLEARANCE	46
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	49
13	DUNNAGE, ANCHOR POINTS, FITTINGS	20
14	CHAMBERS, RESERVOIR, COMPRESSOR	24
15	HOSE, LINES, COUPLING, VALVES	98
16	LINING, DRUMS, DISCS	16
17	T.P. VALVE, L.A. WARNING DEVICE	9
18	AUDIBLE AIR LEAK, PUSH ROD	196
19	SLACK ADJUSTER, CAM SHAFT	16
20	PARK BRAKE, SPRING BRAKE	32
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	26
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	7
23	STEERING WHEEL, COLUMN, GEAR BOX	7
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	10
26	TIE-RODS, DRAG LINKS, NUTS	13
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	75
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	31
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	26
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	5
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	12
33	SIDE PANELS - BAY AREA DAMAGE	4
34	BENT, BROKEN, CRACKED, LOOSE	5
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	5
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	15
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	65
39	DANGEROUS GOODS	4
40	CARGO TANKS	11
41	EMERGENCY EXITS	1
42+	MISCELLANEOUS	449

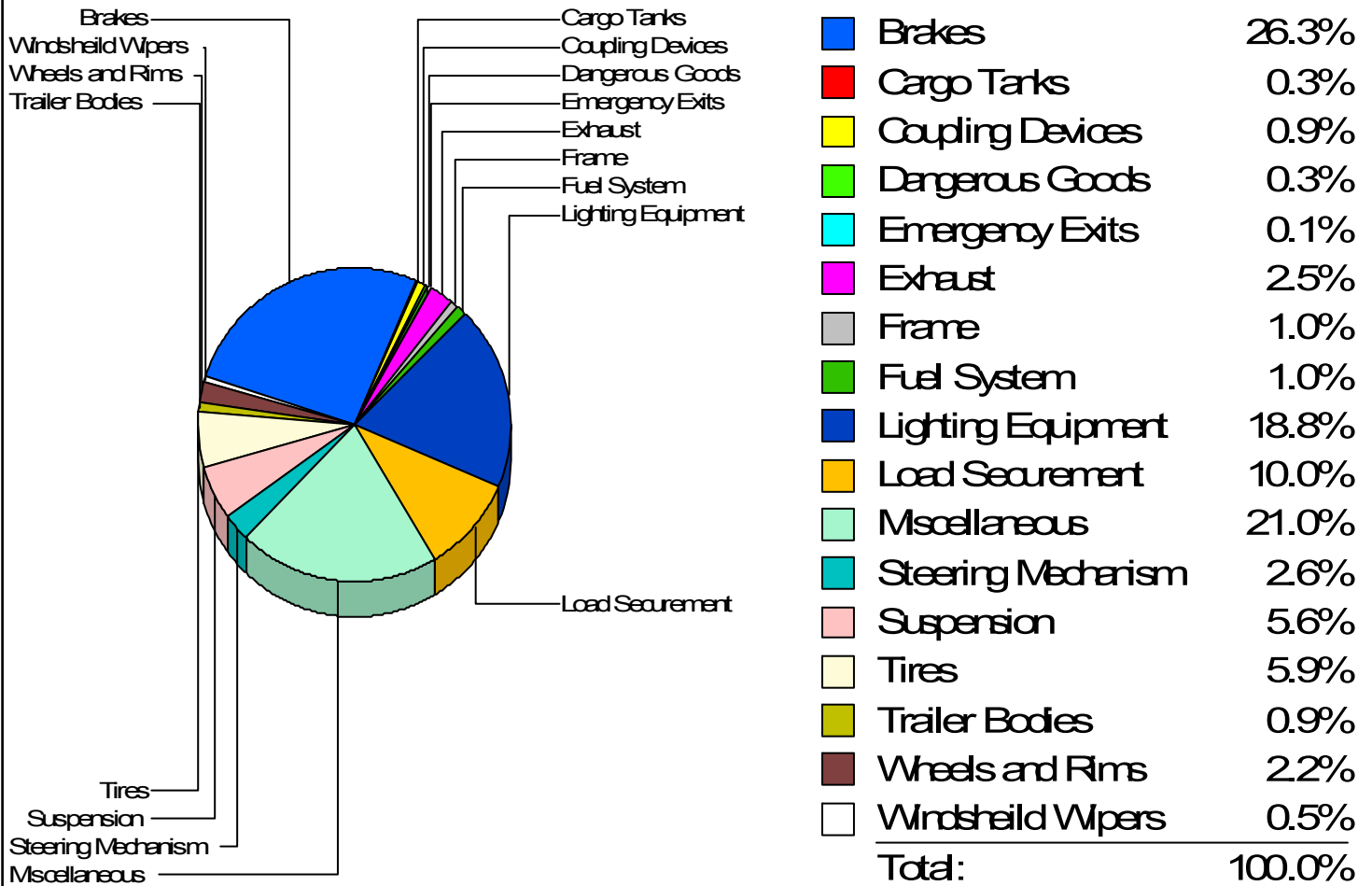
**Total Defects: 1,693**

**Total Reports: 976**

**Defects / Reports: 1.73**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	781
Cargo Tanks	10
Coupling Devices	28
Dangerous Goods	9
Emergency Exits	3
Exhaust	73
Frame	29
Fuel System	30
Lighting Equipment	558
Load Securement	298
Miscellaneous	622
Steering Mechanism	77
Suspension	165
Tires	174
Trailer Bodies	28
Wheels and Rims	66
Windshield Wipers	16

Defect Category: Both  
Total Defects: 2,967  
Total Reports: 927  
Defects / Reports: 3.20

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Manitoba

Category: Out of Service

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	6
3	FASTENERS, STOPS, MOUNTING	5
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	6
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	10
6	LEAK, LOCATION	73
7	CROSS MEMBER-BROKEN, SAGGING	29
8	FUEL SYSTEM LEAK, CAP MISSING	24
9	UNSECURED TANK	6
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	522
11	PROJECTING LOAD LAMPS, CLEARANCE	36
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	243
13	DUNNAGE, ANCHOR POINTS, FITTINGS	55
14	CHAMBERS, RESERVOIR, COMPRESSOR	53
15	HOSE, LINES, COUPLING, VALVES	158
16	LINING, DRUMS, DISCS	36
17	T.P. VALVE, L.A. WARNING DEVICE	25
18	AUDIBLE AIR LEAK, PUSH ROD	247
19	SLACK ADJUSTER, CAM SHAFT	30
20	PARK BRAKE, SPRING BRAKE	123
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	29
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	80
23	STEERING WHEEL, COLUMN, GEAR BOX	13
24	FRONT AXLE BEAM, PITMAN ARM	20
25	POWER STEERING, BALL / SOCKET JOINTS	24
26	TIE-RODS, DRAG LINKS, NUTS	18
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	74
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	60
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	31
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	15
33	SIDE PANELS - BAY AREA DAMAGE	12
34	BENT, BROKEN, CRACKED, LOOSE	28
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	38
37	INOPERATIVE, MISSING, DAMAGED	16
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	174
39	DANGEROUS GOODS	9
40	CARGO TANKS	10
41	EMERGENCY EXITS	3
42+	MISCELLANEOUS	622

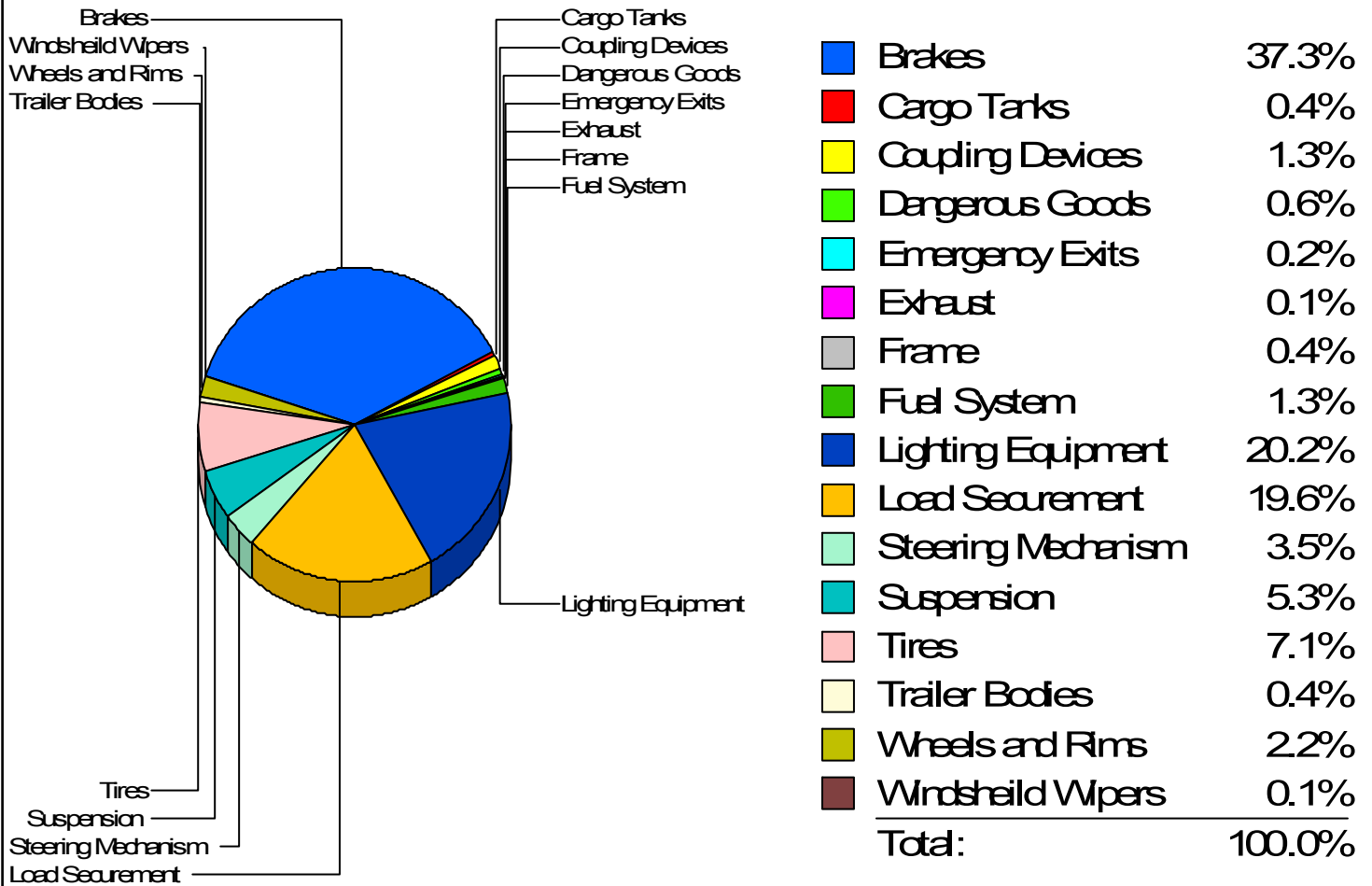
**Total Defects: 2,967**

**Total Reports: 927**

**Defects / Reports: 3.20**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	513
Cargo Tanks	6
Coupling Devices	18
Dangerous Goods	8
Emergency Exits	3
Exhaust	1
Frame	5
Fuel System	18
Lighting Equipment	278
Load Securement	269
Steering Mechanism	48
Suspension	73
Tires	97
Trailer Bodies	6
Wheels and Rims	30
Windsheild Wipers	1

Defect Category: Out of Service

Total Defects: 1,374  
Total Reports: 927  
Defects / Reports: 1.48

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Manitoba

Manitoba  
Infrastructure and  
Transportation



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	5
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	6
6	LEAK, LOCATION	1
7	CROSS MEMBER-BROKEN, SAGGING	5
8	FUEL SYSTEM LEAK, CAP MISSING	15
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	271
11	PROJECTING LOAD LAMPS, CLEARANCE	7
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	226
13	DUNNAGE, ANCHOR POINTS, FITTINGS	43
14	CHAMBERS, RESERVOIR, COMPRESSOR	28
15	HOSE, LINES, COUPLING, VALVES	72
16	LINING, DRUMS, DISCS	25
17	T.P. VALVE, L.A. WARNING DEVICE	22
18	AUDIBLE AIR LEAK, PUSH ROD	147
19	SLACK ADJUSTER, CAM SHAFT	20
20	PARK BRAKE, SPRING BRAKE	107
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	17
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	75
23	STEERING WHEEL, COLUMN, GEAR BOX	7
24	FRONT AXLE BEAM, PITMAN ARM	17
25	POWER STEERING, BALL / SOCKET JOINTS	14
26	TIE-RODS, DRAG LINKS, NUTS	9
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	30
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	29
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	14
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	3
33	SIDE PANELS - BAY AREA DAMAGE	3
34	BENT, BROKEN, CRACKED, LOOSE	20
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	10
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	97
39	DANGEROUS GOODS	8
40	CARGO TANKS	6
41	EMERGENCY EXITS	3

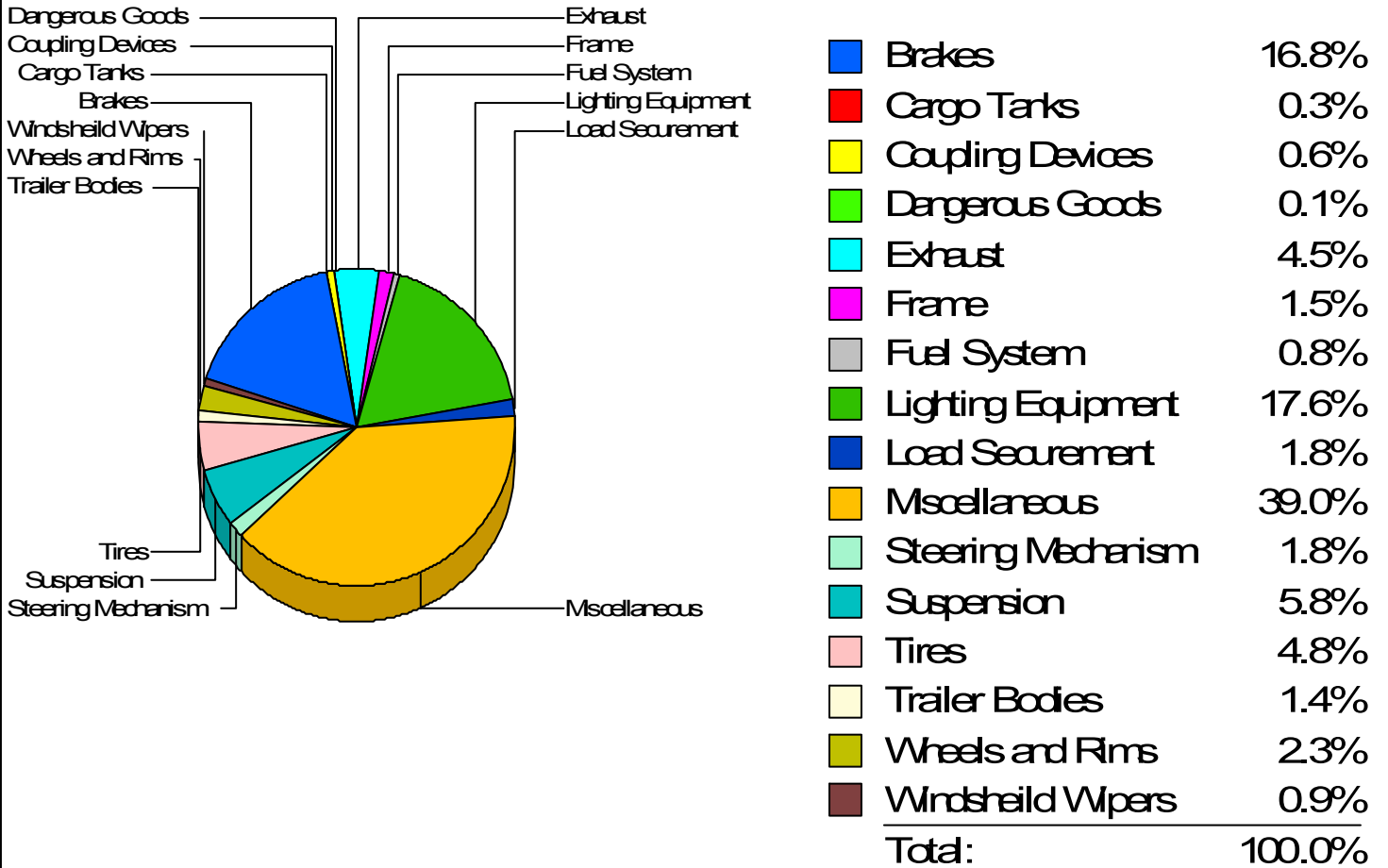
**Total Defects: 1,374**

**Total Reports: 927**

**Defects / Reports: 1.48**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	268
Cargo Tanks	4
Coupling Devices	10
Dangerous Goods	1
Exhaust	72
Frame	24
Fuel System	12
Lighting Equipment	280
Load Securement	29
Miscellaneous	622
Steering Mechanism	29
Suspension	92
Tires	77
Trailer Bodies	22
Wheels and Rims	36
Windsheld Wipers	15

### Defect Category: Fail Conditional

Total Defects: 1,593  
Total Reports: 927  
Defects / Reports: 1.72

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Manitoba

Category: Out of Service

Defect Category: Fail Conditional

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
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	4
6	LEAK, LOCATION	72
7	CROSS MEMBER-BROKEN, SAGGING	24
8	FUEL SYSTEM LEAK, CAP MISSING	9
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	251
11	PROJECTING LOAD LAMPS, CLEARANCE	29
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	17
13	DUNNAGE, ANCHOR POINTS, FITTINGS	12
14	CHAMBERS, RESERVOIR, COMPRESSOR	25
15	HOSE, LINES, COUPLING, VALVES	86
16	LINING, DRUMS, DISCS	11
17	T.P. VALVE, L.A. WARNING DEVICE	3
18	AUDIBLE AIR LEAK, PUSH ROD	100
19	SLACK ADJUSTER, CAM SHAFT	10
20	PARK BRAKE, SPRING BRAKE	16
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	12
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	5
23	STEERING WHEEL, COLUMN, GEAR BOX	6
24	FRONT AXLE BEAM, PITMAN ARM	3
25	POWER STEERING, BALL / SOCKET JOINTS	10
26	TIE-RODS, DRAG LINKS, NUTS	9
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	44
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	31
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	17
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	12
33	SIDE PANELS - BAY AREA DAMAGE	9
34	BENT, BROKEN, CRACKED, LOOSE	8
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	28
37	INOPERATIVE, MISSING, DAMAGED	15
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	77
39	DANGEROUS GOODS	1
40	CARGO TANKS	4
42+	MISCELLANEOUS	622

**Total Defects: 1,593**

**Total Reports: 927**

**Defects / Reports: 1.72**

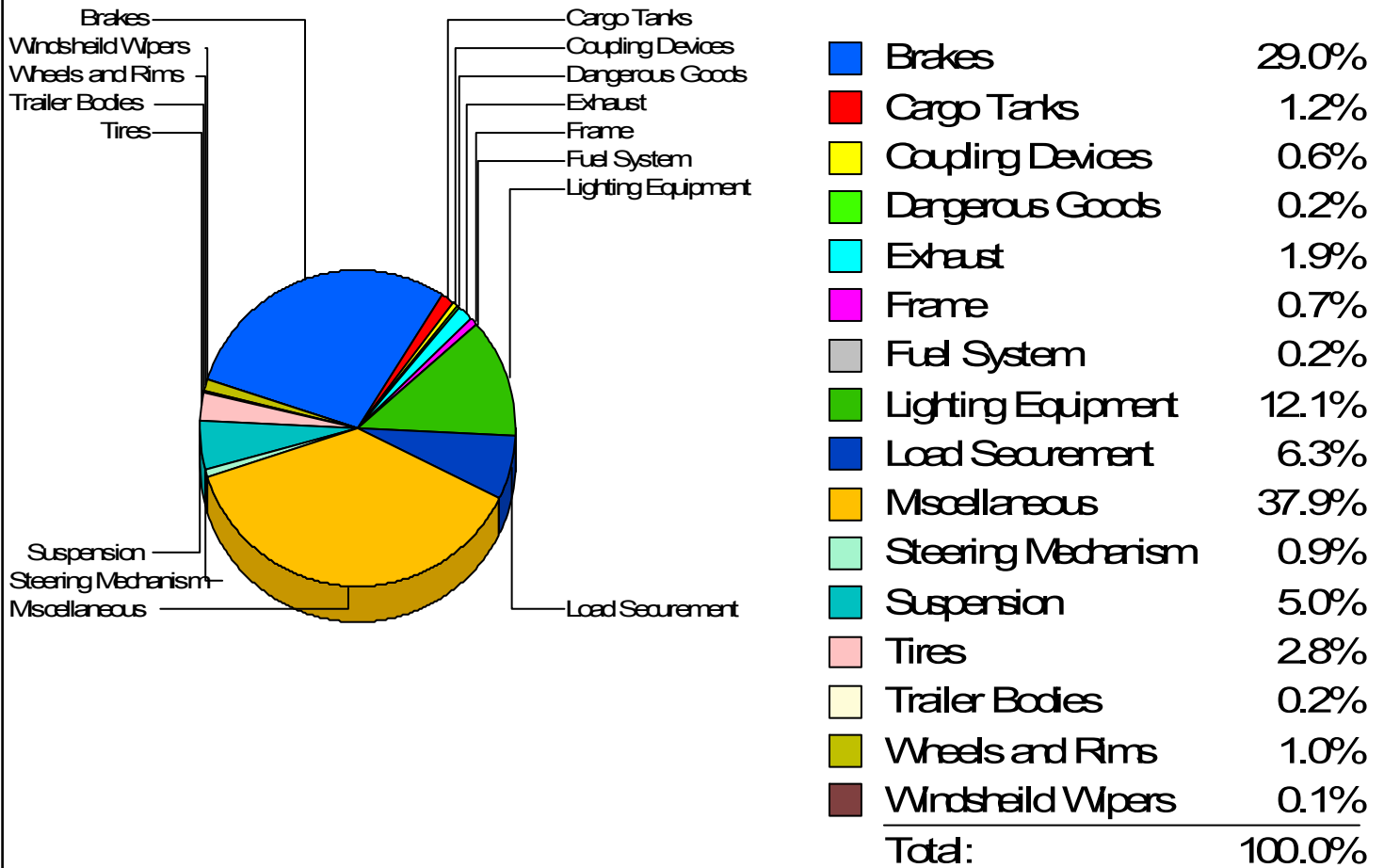
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**2010 CVSA INSPECTIONS**  
 Inspection Results For Out of Province Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	1,391	355	254	2,000
Percentage of Reports	69.55	17.75	12.70	100%
Defects	174	483	636	1,293
Defects per Report	0.13	1.36	2.50	0.65

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	375
Cargo Tanks	15
Coupling Devices	8
Dangerous Goods	3
Exhaust	24
Frame	9
Fuel System	2
Lighting Equipment	156
Load Securement	82
Miscellaneous	490
Steering Mechanism	11
Suspension	65
Tires	36
Trailer Bodies	3
Wheels and Rims	13
Windsheild Wipers	1

Defect Category: Both  
Total Defects: 1,293  
Total Reports: 2,000  
Defects / Reports: 0.65

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Out of Province

Category: All

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	5
3	FASTENERS, STOPS, MOUNTING	1
5	SECONDARY ATTACHMENT MISSING, WORN, UNDER SIZE, LENGTH INEFFECTIVE	1
6	LEAK, LOCATION	24
7	CROSS MEMBER-BROKEN, SAGGING	9
8	FUEL SYSTEM LEAK, CAP MISSING	1
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	134
11	PROJECTING LOAD LAMPS, CLEARANCE	22
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	69
13	DUNNAGE, ANCHOR POINTS, FITTINGS	13
14	CHAMBERS, RESERVOIR, COMPRESSOR	29
15	HOSE, LINES, COUPLING, VALVES	119
16	LINING, DRUMS, DISCS	13
17	T.P. VALVE, L.A. WARNING DEVICE	13
18	AUDIBLE AIR LEAK, PUSH ROD	148
19	SLACK ADJUSTER, CAM SHAFT	18
20	PARK BRAKE, SPRING BRAKE	27
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	2
23	STEERING WHEEL, COLUMN, GEAR BOX	2
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	6
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	35
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	10
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	20
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	3
34	BENT, BROKEN, CRACKED, LOOSE	8
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	5
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	36
39	DANGEROUS GOODS	3
40	CARGO TANKS	15
42+	MISCELLANEOUS	490

**Total Defects: 1,293**

**Total Reports: 2,000**

**Defects / Reports: 0.65**

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# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Out of Province

Category: Pass

Defect Category: N/A

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
42+	MISCELLANEOUS	174

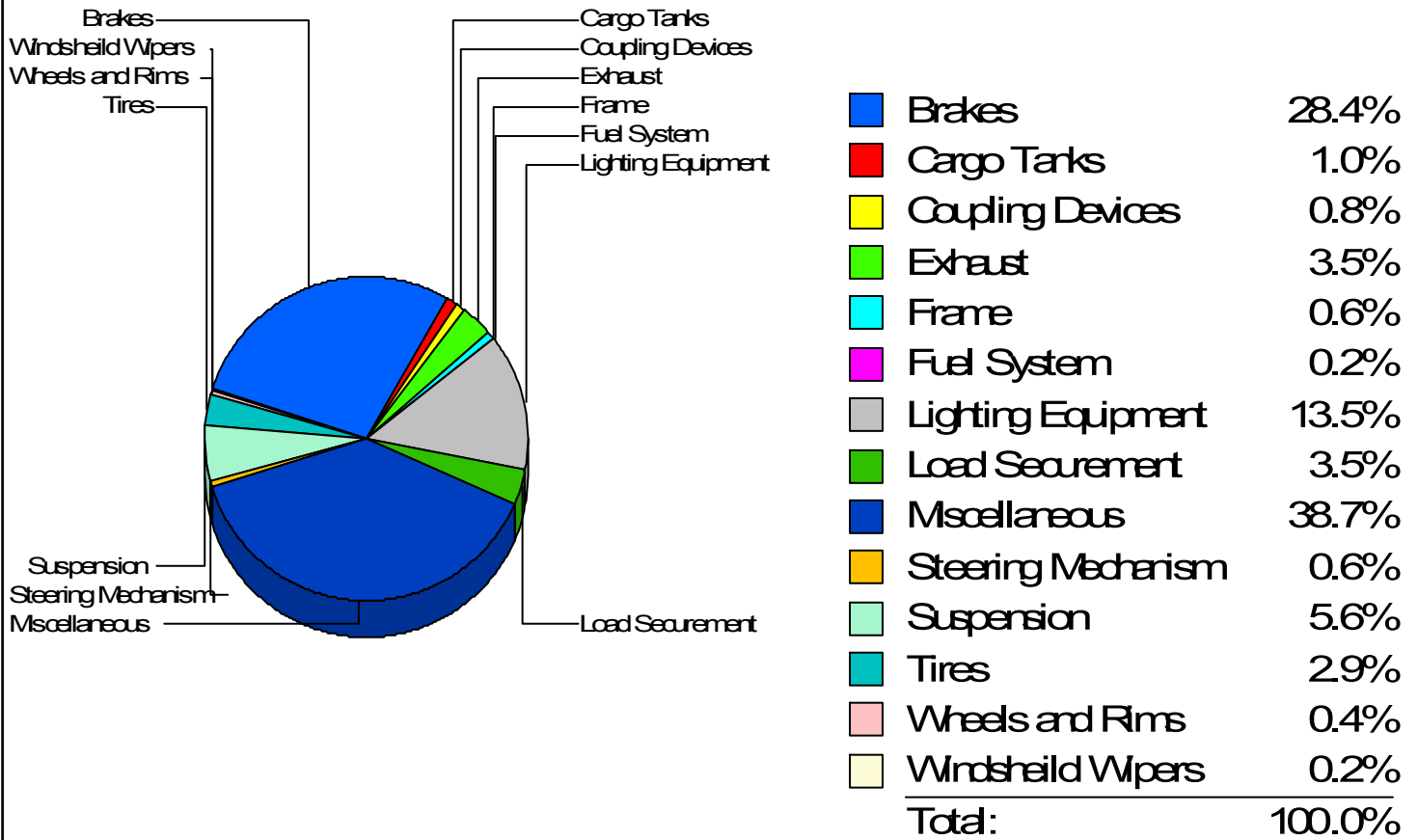
**Total Defects: 174**

**Total Reports: 1,391**

**Defects / Reports: 0.13**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Fail Conditional



Brakes	137
Cargo Tanks	5
Coupling Devices	4
Exhaust	17
Frame	3
Fuel System	1
Lighting Equipment	65
Load Securement	17
Miscellaneous	187
Steering Mechanism	3
Suspension	27
Tires	14
Wheels and Rims	2
Windsheld Wipers	1

Defect Category: Fail Conditional

Total Defects: 483  
Total Reports: 355  
Defects / Reports: 1.36

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Out of Province

Category: Fail Conditional

Defect Category: Fail Conditional

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
1	FIFTH WHEEL ASSEMBLY - UPPER / LOWER CRACKS	1
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	3
6	LEAK, LOCATION	17
7	CROSS MEMBER-BROKEN, SAGGING	3
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	55
11	PROJECTING LOAD LAMPS, CLEARANCE	10
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	13
13	DUNNAGE, ANCHOR POINTS, FITTINGS	4
14	CHAMBERS, RESERVOIR, COMPRESSOR	11
15	HOSE, LINES, COUPLING, VALVES	36
16	LINING, DRUMS, DISCS	4
17	T.P. VALVE, L.A. WARNING DEVICE	3
18	AUDIBLE AIR LEAK, PUSH ROD	63
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	12
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	2
25	POWER STEERING, BALL / SOCKET JOINTS	3
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	16
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	3
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	8
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	14
40	CARGO TANKS	5
42+	MISCELLANEOUS	187

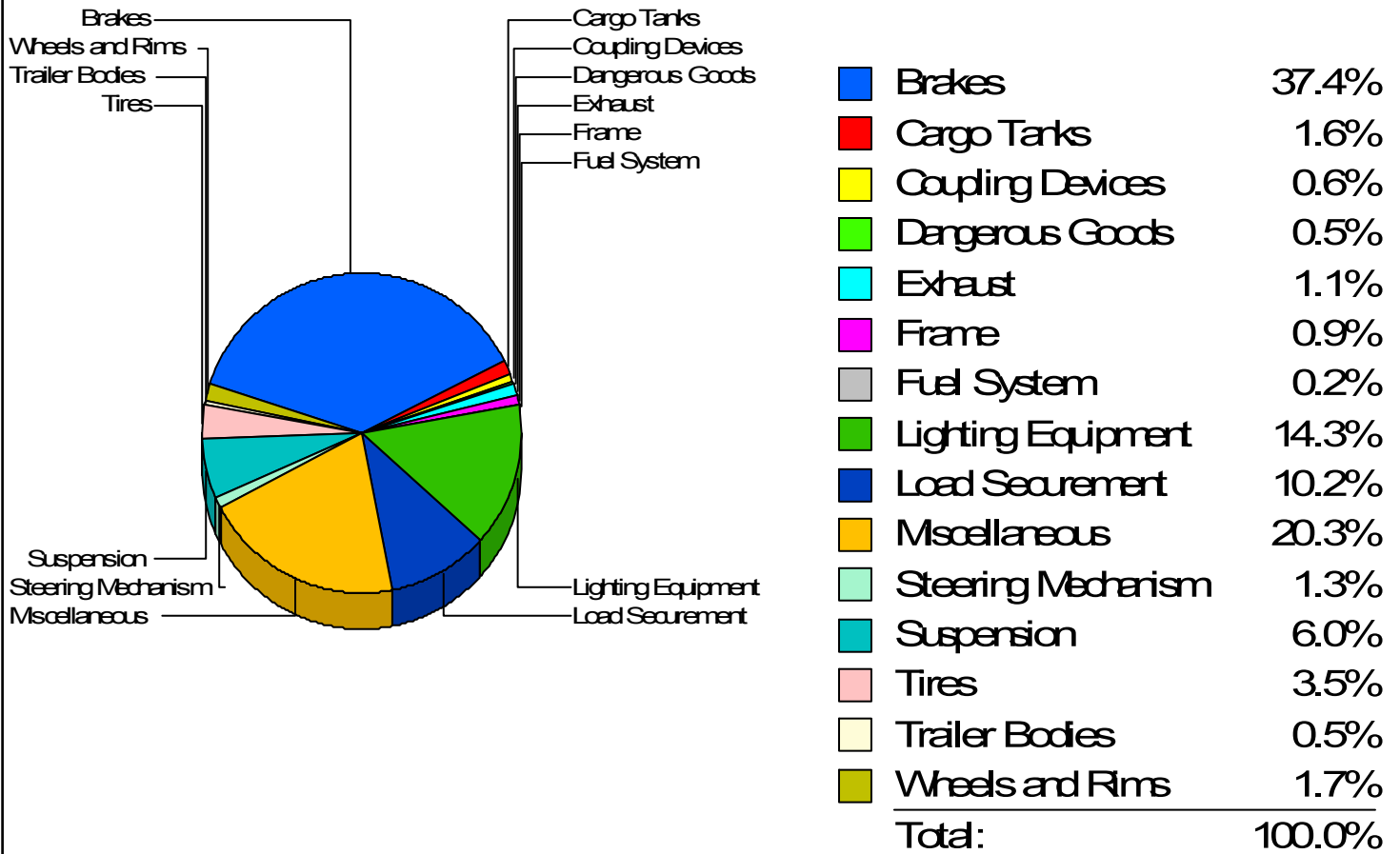
**Total Defects: 483**

**Total Reports: 355**

**Defects / Reports: 1.36**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	238
Cargo Tanks	10
Coupling Devices	4
Dangerous Goods	3
Exhaust	7
Frame	6
Fuel System	1
Lighting Equipment	91
Load Securement	65
Miscellaneous	129
Steering Mechanism	8
Suspension	38
Tires	22
Trailer Bodies	3
Wheels and Rims	11

Defect Category: Both  
 Total Defects: 636  
 Total Reports: 254  
 Defects / Reports: 2.50

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Out of Province

Category: Out of Service

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



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	7
7	CROSS MEMBER-BROKEN, SAGGING	6
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	79
11	PROJECTING LOAD LAMPS, CLEARANCE	12
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	56
13	DUNNAGE, ANCHOR POINTS, FITTINGS	9
14	CHAMBERS, RESERVOIR, COMPRESSOR	18
15	HOSE, LINES, COUPLING, VALVES	83
16	LINING, DRUMS, DISCS	9
17	T.P. VALVE, L.A. WARNING DEVICE	10
18	AUDIBLE AIR LEAK, PUSH ROD	85
19	SLACK ADJUSTER, CAM SHAFT	12
20	PARK BRAKE, SPRING BRAKE	15
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	4
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	2
23	STEERING WHEEL, COLUMN, GEAR BOX	2
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	3
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	19
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	7
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	12
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	3
34	BENT, BROKEN, CRACKED, LOOSE	7
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	4
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	22
39	DANGEROUS GOODS	3
40	CARGO TANKS	10
42+	MISCELLANEOUS	129

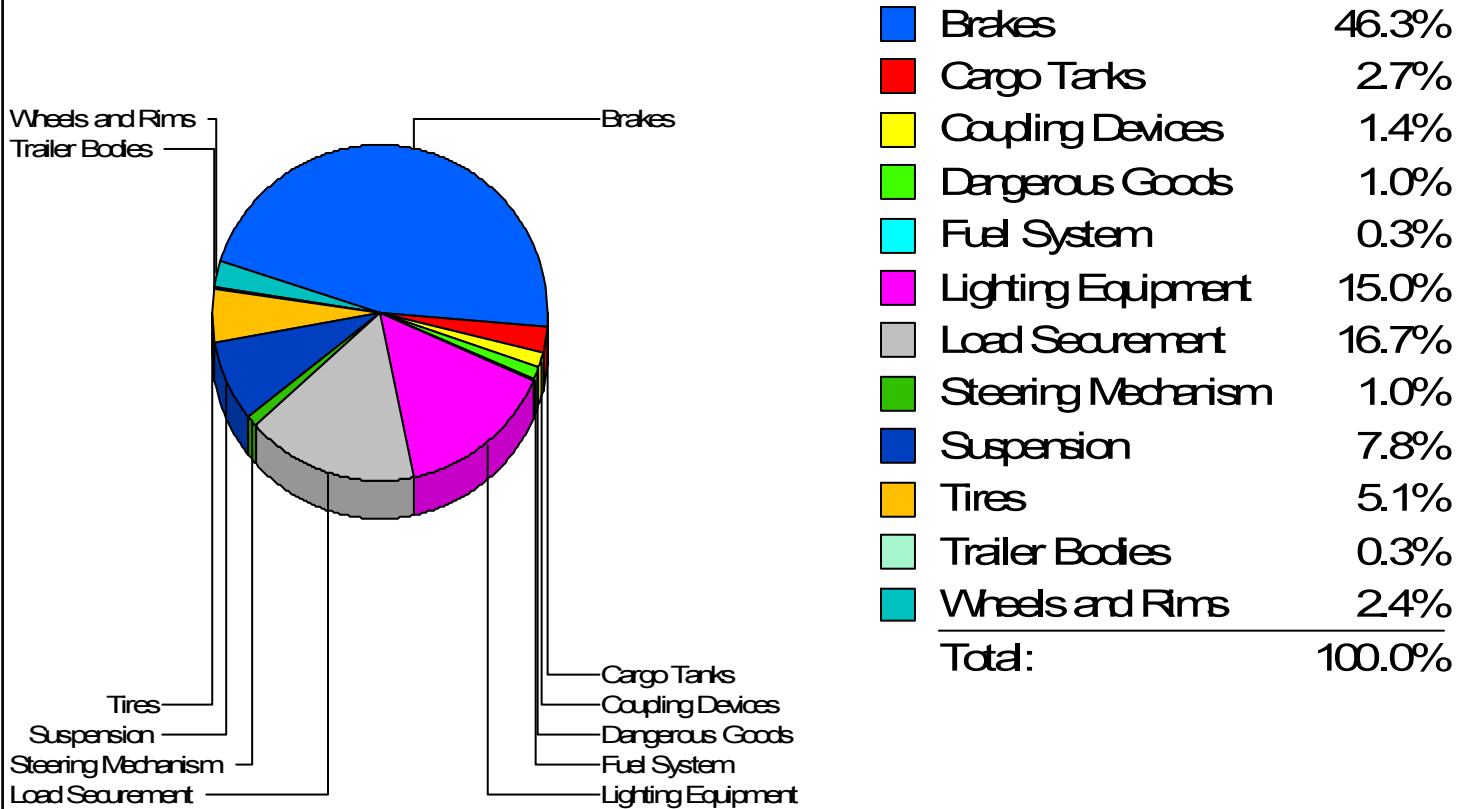
**Total Defects: 636**

**Total Reports: 254**

**Defects / Reports: 2.50**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	136
Cargo Tanks	8
Coupling Devices	4
Dangerous Goods	3
Fuel System	1
Lighting Equipment	44
Load Securement	49
Steering Mechanism	3
Suspension	23
Tires	15
Trailer Bodies	1
Wheels and Rims	7

Defect Category: Out of Service

Total Defects: 294  
Total Reports: 254  
Defects / Reports: 1.16

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Out of Province

Category: Out of Service

Defect Category: Out of Service

Manitoba  
Infrastructure and  
Transportation



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
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	43
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	42
13	DUNNAGE, ANCHOR POINTS, FITTINGS	7
14	CHAMBERS, RESERVOIR, COMPRESSOR	15
15	HOSE, LINES, COUPLING, VALVES	55
16	LINING, DRUMS, DISCS	6
17	T.P. VALVE, L.A. WARNING DEVICE	8
18	AUDIBLE AIR LEAK, PUSH ROD	40
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	4
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	1
23	STEERING WHEEL, COLUMN, GEAR BOX	1
24	FRONT AXLE BEAM, PITMAN ARM	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	8
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	5
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	10
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	1
34	BENT, BROKEN, CRACKED, LOOSE	4
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	3
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	15
39	DANGEROUS GOODS	3
40	CARGO TANKS	8

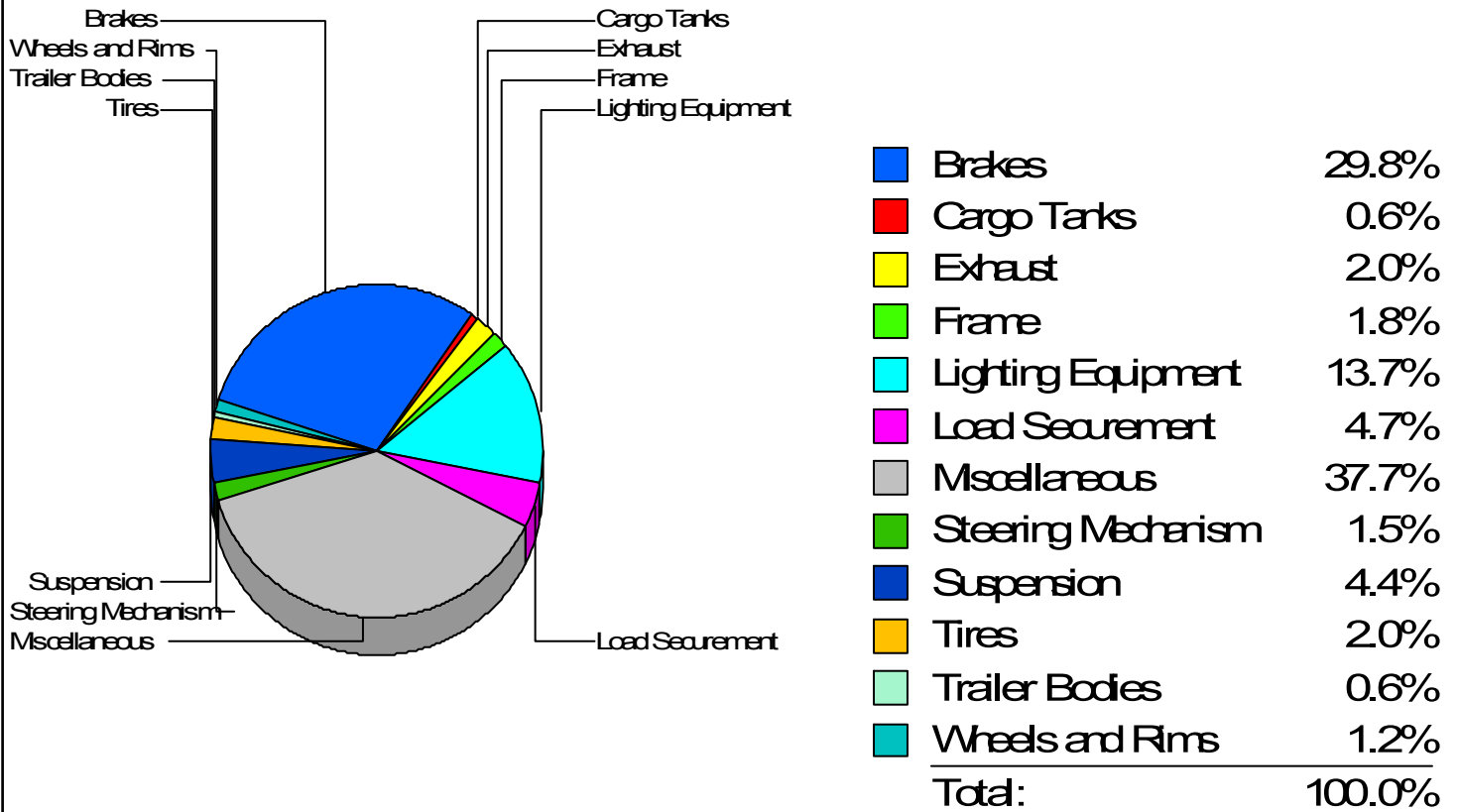
**Total Defects: 294**

**Total Reports: 254**

**Defects / Reports: 1.16**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	102
Cargo Tanks	2
Exhaust	7
Frame	6
Lighting Equipment	47
Load Securement	16
Miscellaneous	129
Steering Mechanism	5
Suspension	15
Tires	7
Trailer Bodies	2
Wheels and Rims	4

### Defect Category: Fail Conditional

Total Defects: 342  
Total Reports: 254  
Defects / Reports: 1.35

# Number of Defects - CVSA Inspections '10

Carrier Jurisdiction - Out of Province

Category: Out of Service

Defect Category: Fail Conditional

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
6	LEAK, LOCATION	7
7	CROSS MEMBER-BROKEN, SAGGING	6
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	36
11	PROJECTING LOAD LAMPS, CLEARANCE	11
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	14
13	DUNNAGE, ANCHOR POINTS, FITTINGS	2
14	CHAMBERS, RESERVOIR, COMPRESSOR	3
15	HOSE, LINES, COUPLING, VALVES	28
16	LINING, DRUMS, DISCS	3
17	T.P. VALVE, L.A. WARNING DEVICE	2
18	AUDIBLE AIR LEAK, PUSH ROD	45
19	SLACK ADJUSTER, CAM SHAFT	6
20	PARK BRAKE, SPRING BRAKE	11
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	3
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	1
23	STEERING WHEEL, COLUMN, GEAR BOX	1
25	POWER STEERING, BALL / SOCKET JOINTS	3
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	11
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	2
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	2
34	BENT, BROKEN, CRACKED, LOOSE	3
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	7
40	CARGO TANKS	2
42+	MISCELLANEOUS	129

**Total Defects: 342**

**Total Reports: 254**

**Defects / Reports: 1.35**

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for the purpose of duplex printing*

**ALL**  
**Inspection Results By Registration Class**  
 Jan 01, 2010 to Dec 31, 2010

Truck Type	Inspection Result			Total	Percentage (%)
	Pass	Fail	Out of Service		
A5 STRAIGHT	473	231	290	994	22.20%
A6 FARM	113	70	79	262	5.85%
C1 COMMERCIAL	776	312	275	1,363	30.44%
P4 PUBLIC SERVICE	1,136	324	165	1,625	36.29%
LIGHT DUTY	77	39	118	234	5.23%
Total	2,575	976	927	4,478	100.00%
Percentage (%)	58%	22%	21%	100%	

Percentages				
Truck Type	Inspection Result			Total
	Pass	Fail	Out of Service	
A5 STRAIGHT	47.59%	23.24%	29.18%	100%
A6 FARM	43.13%	26.72%	30.15%	100%
C1 COMMERCIAL	56.93%	22.89%	20.18%	100%
P4 PUBLIC SERVICE	69.91%	19.94%	10.15%	100%
LIGHT DUTY	32.91%	16.67%	50.43%	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.

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

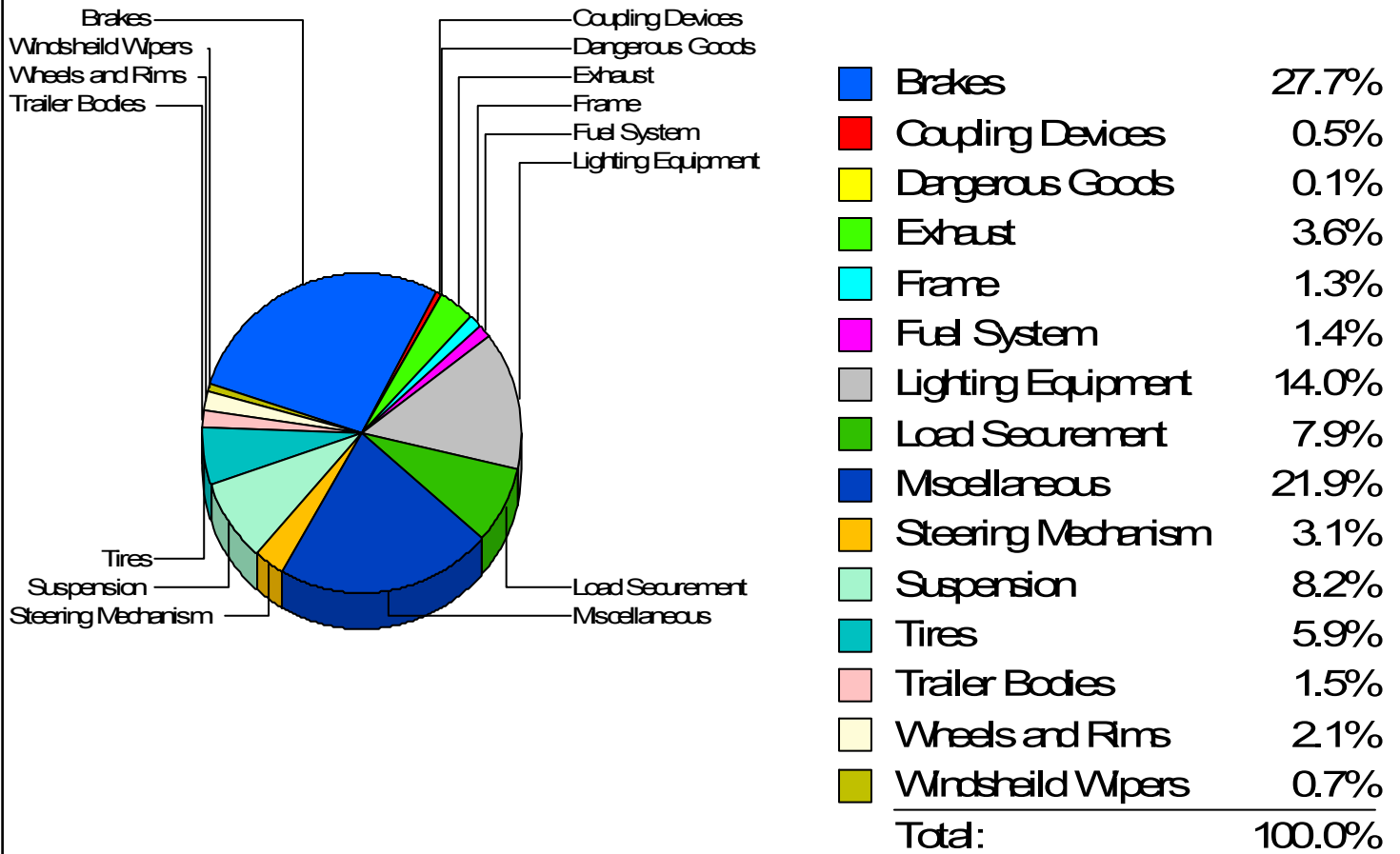
**C1 Commercial:** These vehicles transport business goods for commercial purposes and are operated by a business. *Commercial vehicle may not be used to transport people or property for gain or compensation.*

**P4 Public Service:** A Public Service Vehicle (PSV) is any *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*, *motor vehicles* operated as taxicabs solely within cities, towns, villages.

**Light Duty:** Any vehicle that has a Registered Gross Vehicle Weight less than 4500Kgs.

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	454
Coupling Devices	8
Dangerous Goods	2
Exhaust	59
Frame	21
Fuel System	23
Lighting Equipment	229
Load Securement	129
Miscellaneous	359
Steering Mechanism	51
Suspension	135
Tires	97
Trailer Bodies	25
Wheels and Rims	34
Windshield Wipers	12

Defect Category: Both  
 Total Defects: 1,638  
 Total Reports: 994  
 Defects / Reports: 1.65

# Number of Defects - CVSA Inspections '10

A5 - Straight Truck - Manitoba Registration Only

Manitoba  
Infrastructure and  
Transportation



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	3
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
6	LEAK, LOCATION	59
7	CROSS MEMBER-BROKEN, SAGGING	21
8	FUEL SYSTEM LEAK, CAP MISSING	15
9	UNSECURED TANK	8
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	207
11	PROJECTING LOAD LAMPS, CLEARANCE	22
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	99
13	DUNNAGE, ANCHOR POINTS, FITTINGS	30
14	CHAMBERS, RESERVOIR, COMPRESSOR	33
15	HOSE, LINES, COUPLING, VALVES	94
16	LINING, DRUMS, DISCS	20
17	T.P. VALVE, L.A. WARNING DEVICE	23
18	AUDIBLE AIR LEAK, PUSH ROD	184
19	SLACK ADJUSTER, CAM SHAFT	18
20	PARK BRAKE, SPRING BRAKE	52
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	16
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	14
23	STEERING WHEEL, COLUMN, GEAR BOX	10
24	FRONT AXLE BEAM, PITMAN ARM	14
25	POWER STEERING, BALL / SOCKET JOINTS	13
26	TIE-RODS, DRAG LINKS, NUTS	13
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	69
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	32
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	34
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	14
33	SIDE PANELS - BAY AREA DAMAGE	8
34	BENT, BROKEN, CRACKED, LOOSE	15
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	19
37	INOPERATIVE, MISSING, DAMAGED	12
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	97
39	DANGEROUS GOODS	2
42+	MISCELLANEOUS	359

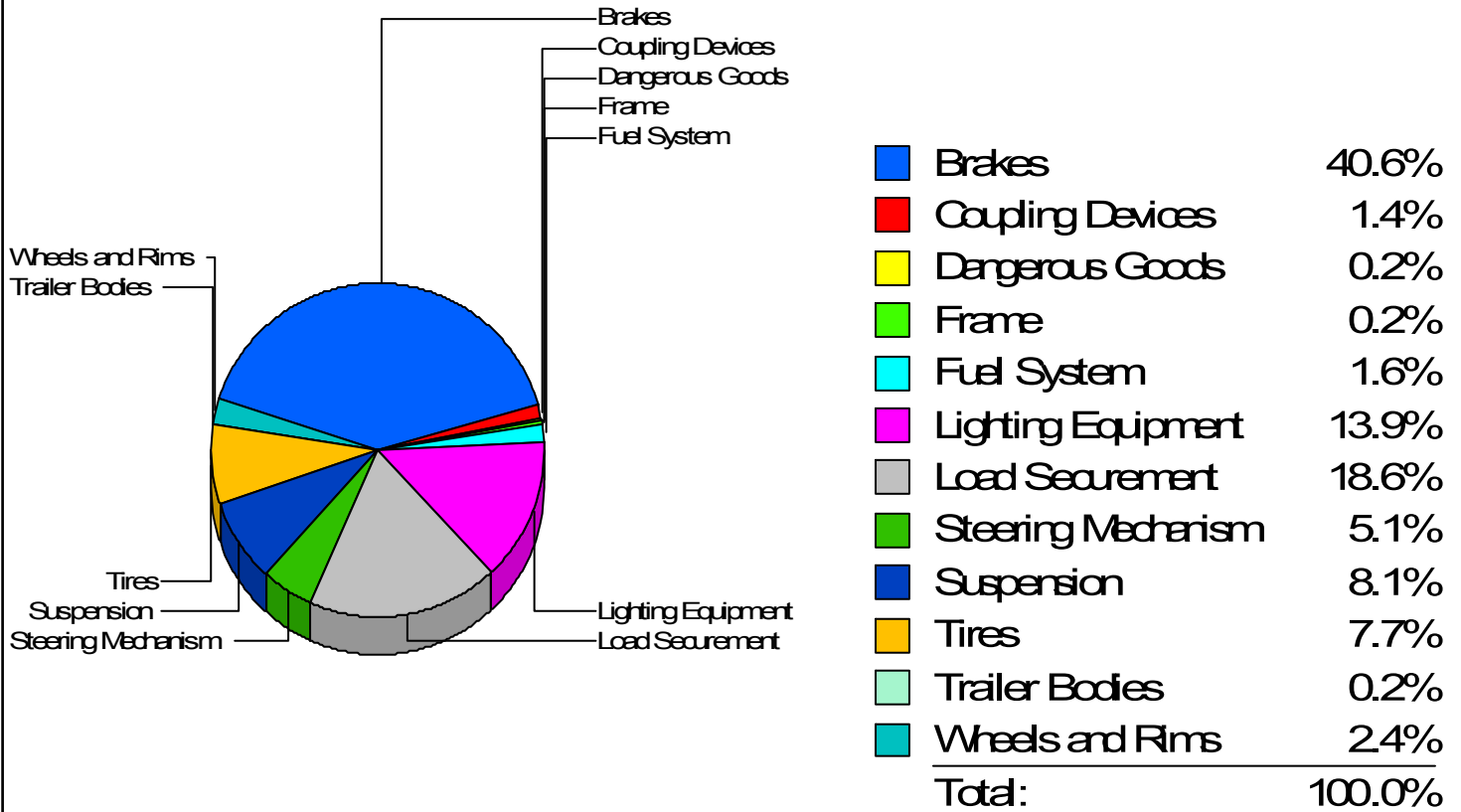
**Total Defects: 1,638**

**Total Reports: 994**

**Defects / Reports: 1.65**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	201
Coupling Devices	7
Dangerous Goods	1
Frame	1
Fuel System	8
Lighting Equipment	69
Load Securement	92
Steering Mechanism	25
Suspension	40
Tires	38
Trailer Bodies	1
Wheels and Rims	12

Defect Category: Out of Service

Total Defects: 495  
Total Reports: 290  
Defects / Reports: 1.71

# Number of Defects - CVSA Inspections '10

A5 - Straight Truck - Manitoba Registration Only

Manitoba  
Infrastructure and  
Transportation



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	3
3	FASTENERS, STOPS, MOUNTING	3
7	CROSS MEMBER-BROKEN, SAGGING	1
8	FUEL SYSTEM LEAK, CAP MISSING	7
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	67
11	PROJECTING LOAD LAMPS, CLEARANCE	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	74
13	DUNNAGE, ANCHOR POINTS, FITTINGS	18
14	CHAMBERS, RESERVOIR, COMPRESSOR	17
15	HOSE, LINES, COUPLING, VALVES	25
16	LINING, DRUMS, DISCS	13
17	T.P. VALVE, L.A. WARNING DEVICE	15
18	AUDIBLE AIR LEAK, PUSH ROD	71
19	SLACK ADJUSTER, CAM SHAFT	8
20	PARK BRAKE, SPRING BRAKE	37
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	6
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	9
23	STEERING WHEEL, COLUMN, GEAR BOX	4
24	FRONT AXLE BEAM, PITMAN ARM	12
25	POWER STEERING, BALL / SOCKET JOINTS	5
26	TIE-RODS, DRAG LINKS, NUTS	4
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	19
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	12
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	9
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	7
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	5
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	38
39	DANGEROUS GOODS	1

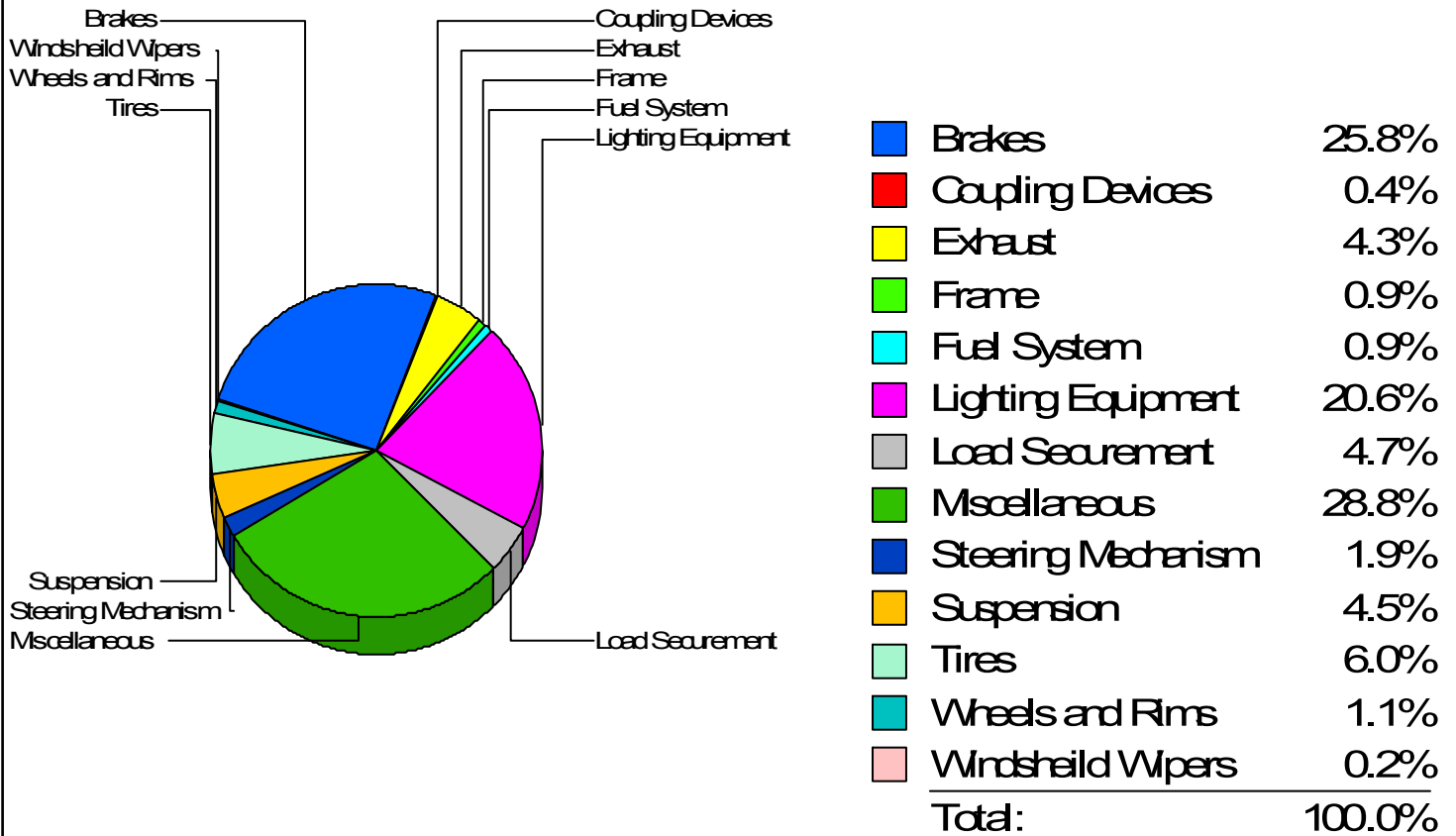
**Total Defects: 495**

**Total Reports: 290**

**Defects / Reports: 1.71**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	120
Coupling Devices	2
Exhaust	20
Frame	4
Fuel System	4
Lighting Equipment	96
Load Securement	22
Miscellaneous	134
Steering Mechanism	9
Suspension	21
Tires	28
Wheels and Rims	5
Windshield Wipers	1

Defect Category: Both  
 Total Defects: 466  
 Total Reports: 262  
 Defects / Reports: 1.78

# Number of Defects - CVSA Inspections '10

A6 - Farm Truck - Manitoba Registration Only

Category: All

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



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	1
6	LEAK, LOCATION	20
7	CROSS MEMBER-BROKEN, SAGGING	4
8	FUEL SYSTEM LEAK, CAP MISSING	1
9	UNSECURED TANK	3
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	93
11	PROJECTING LOAD LAMPS, CLEARANCE	3
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	17
13	DUNNAGE, ANCHOR POINTS, FITTINGS	5
14	CHAMBERS, RESERVOIR, COMPRESSOR	13
15	HOSE, LINES, COUPLING, VALVES	25
16	LINING, DRUMS, DISCS	4
17	T.P. VALVE, L.A. WARNING DEVICE	4
18	AUDIBLE AIR LEAK, PUSH ROD	45
19	SLACK ADJUSTER, CAM SHAFT	4
20	PARK BRAKE, SPRING BRAKE	14
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	8
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	3
23	STEERING WHEEL, COLUMN, GEAR BOX	2
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	6
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	12
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
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	28
42+	MISCELLANEOUS	134

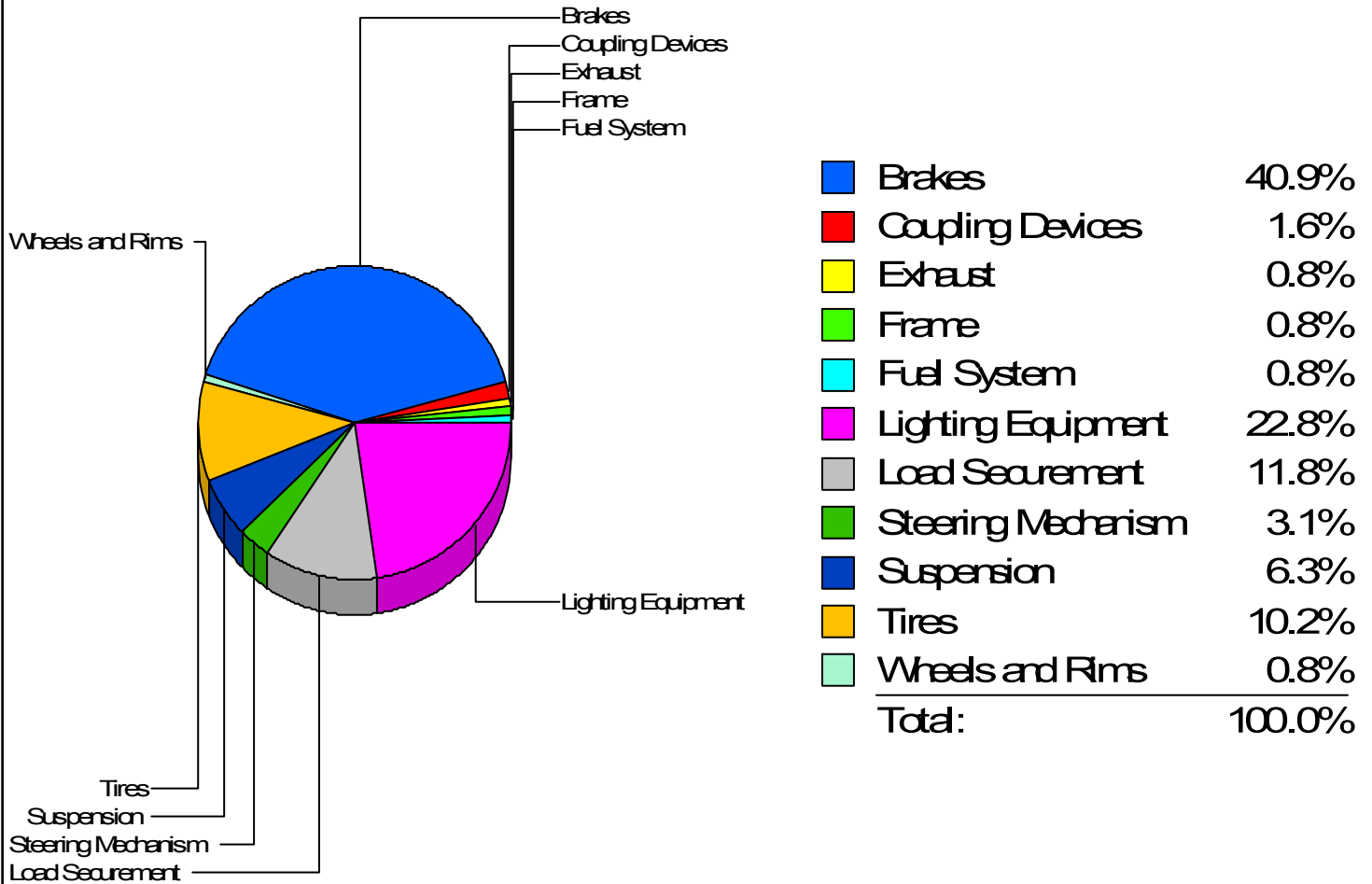
**Total Defects: 466**

**Total Reports: 262**

**Defects / Reports: 1.78**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	52
Coupling Devices	2
Exhaust	1
Frame	1
Fuel System	1
Lighting Equipment	29
Load Securement	15
Steering Mechanism	4
Suspension	8
Tires	13
Wheels and Rims	1

Defect Category: Out of Service

Total Defects: 127  
Total Reports: 79  
Defects / Reports: 1.61

# Number of Defects - CVSA Inspections '10

A6 - Farm Truck - Manitoba Registration Only

Category: Out of Service

Defect Category: Out of Service

Manitoba  
Infrastructure and  
Transportation



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	1
6	LEAK, LOCATION	1
7	CROSS MEMBER-BROKEN, SAGGING	1
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	29
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	14
13	DUNNAGE, ANCHOR POINTS, FITTINGS	1
14	CHAMBERS, RESERVOIR, COMPRESSOR	5
15	HOSE, LINES, COUPLING, VALVES	7
16	LINING, DRUMS, DISCS	1
17	T.P. VALVE, L.A. WARNING DEVICE	4
18	AUDIBLE AIR LEAK, PUSH ROD	16
19	SLACK ADJUSTER, CAM SHAFT	2
20	PARK BRAKE, SPRING BRAKE	11
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	3
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	3
23	STEERING WHEEL, COLUMN, GEAR BOX	1
24	FRONT AXLE BEAM, PITMAN ARM	1
25	POWER STEERING, BALL / SOCKET JOINTS	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	2
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	5
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	1
34	BENT, BROKEN, CRACKED, LOOSE	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	13

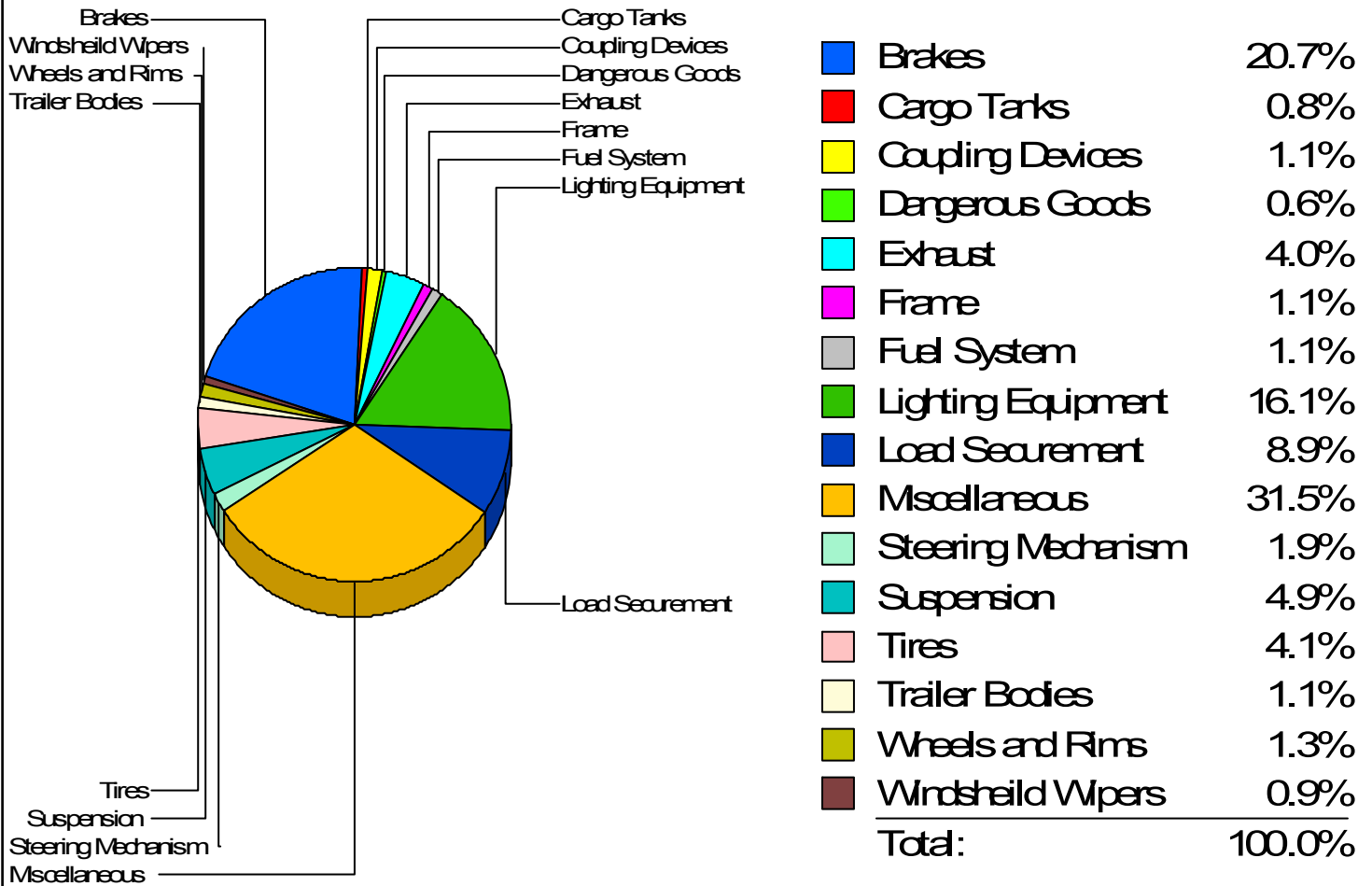
**Total Defects: 127**

**Total Reports: 79**

**Defects / Reports: 1.61**

# 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	312
Cargo Tanks	12
Coupling Devices	17
Dangerous Goods	9
Exhaust	60
Frame	16
Fuel System	16
Lighting Equipment	243
Load Securement	134
Miscellaneous	474
Steering Mechanism	28
Suspension	73
Tires	61
Trailer Bodies	17
Wheels and Rims	20
Windshield Wipers	13

Defect Category: Both  
 Total Defects: 1,505  
 Total Reports: 1,363  
 Defects / Reports: 1.10

# Number of Defects - CVSA Inspections '10

C1 - Commercial Truck - Manitoba Registration Only

Category: All

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	4
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	8
6	LEAK, LOCATION	60
7	CROSS MEMBER-BROKEN, SAGGING	16
8	FUEL SYSTEM LEAK, CAP MISSING	14
9	UNSECURED TANK	2
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	212
11	PROJECTING LOAD LAMPS, CLEARANCE	31
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	102
13	DUNNAGE, ANCHOR POINTS, FITTINGS	32
14	CHAMBERS, RESERVOIR, COMPRESSOR	19
15	HOSE, LINES, COUPLING, VALVES	66
16	LINING, DRUMS, DISCS	14
17	T.P. VALVE, L.A. WARNING DEVICE	3
18	AUDIBLE AIR LEAK, PUSH ROD	101
19	SLACK ADJUSTER, CAM SHAFT	9
20	PARK BRAKE, SPRING BRAKE	59
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	18
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	23
23	STEERING WHEEL, COLUMN, GEAR BOX	6
24	FRONT AXLE BEAM, PITMAN ARM	5
25	POWER STEERING, BALL / SOCKET JOINTS	9
26	TIE-RODS, DRAG LINKS, NUTS	6
27	STEERING SYSTEM, C-DOLLY	2
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	29
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	34
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	10
31	UPPER / LOWER RAIL - BROKEN, CRACKED, BUCKLED, TWISTS, BENDS	3
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	8
33	SIDE PANELS - BAY AREA DAMAGE	6
34	BENT, BROKEN, CRACKED, LOOSE	6
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	13
36	ELONGATED HOLES, WELDED REPAIRS	1
37	INOPERATIVE, MISSING, DAMAGED	13
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	61
39	DANGEROUS GOODS	9
40	CARGO TANKS	12
42+	MISCELLANEOUS	474

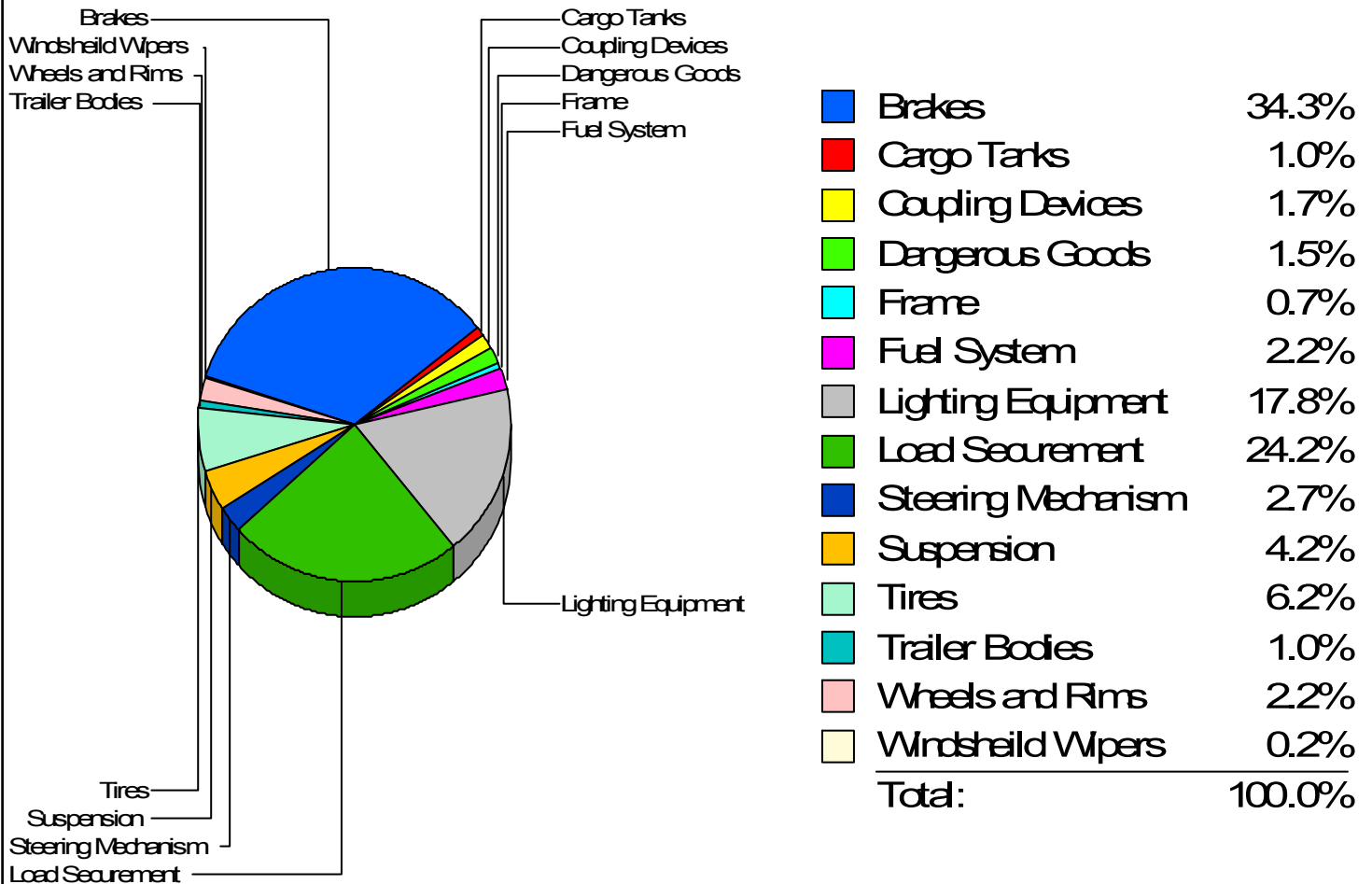
**Total Defects: 1,505**

**Total Reports: 1,363**

**Defects / Reports: 1.10**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	139
Cargo Tanks	4
Coupling Devices	7
Dangerous Goods	6
Frame	3
Fuel System	9
Lighting Equipment	72
Load Securement	98
Steering Mechanism	11
Suspension	17
Tires	25
Trailer Bodies	4
Wheels and Rims	9
Windsheild Wipers	1

Defect Category: Out of Service

Total Defects: 405  
Total Reports: 275  
Defects / Reports: 1.47

# Number of Defects - CVSA Inspections '10

C1 - Commercial Truck - Manitoba Registration Only

Category: Out of Service

Defect Category: Out of Service

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	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	3
8	FUEL SYSTEM LEAK, CAP MISSING	8
9	UNSECURED TANK	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	69
11	PROJECTING LOAD LAMPS, CLEARANCE	3
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	79
13	DUNNAGE, ANCHOR POINTS, FITTINGS	19
14	CHAMBERS, RESERVOIR, COMPRESSOR	3
15	HOSE, LINES, COUPLING, VALVES	18
16	LINING, DRUMS, DISCS	6
17	T.P. VALVE, L.A. WARNING DEVICE	1
18	AUDIBLE AIR LEAK, PUSH ROD	43
19	SLACK ADJUSTER, CAM SHAFT	2
20	PARK BRAKE, SPRING BRAKE	43
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	5
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	18
23	STEERING WHEEL, COLUMN, GEAR BOX	2
24	FRONT AXLE BEAM, PITMAN ARM	3
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	1
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	6
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	10
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	1
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	3
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	4
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	5
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	25
39	DANGEROUS GOODS	6
40	CARGO TANKS	4

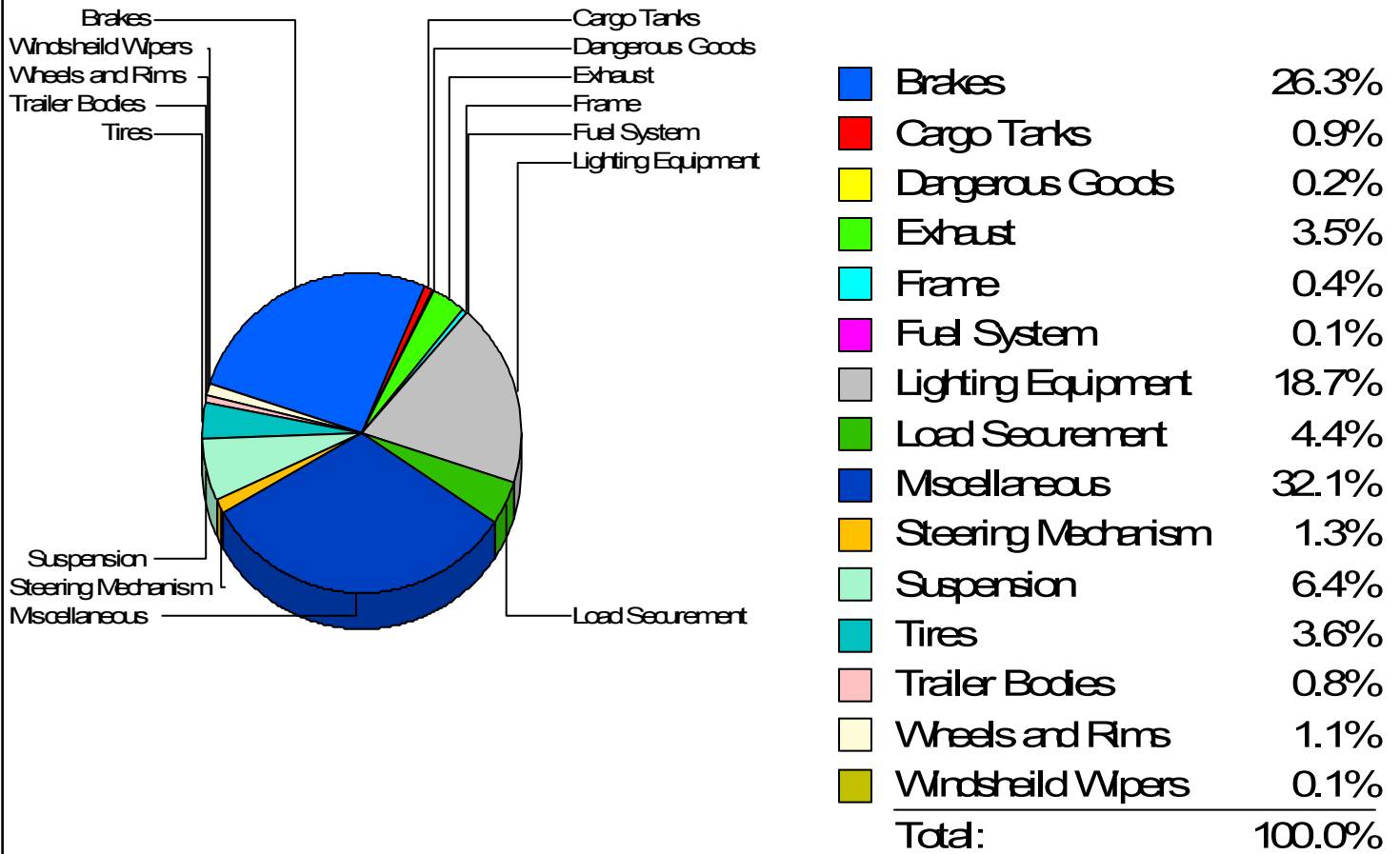
**Total Defects: 405**

**Total Reports: 275**

**Defects / Reports: 1.47**

## 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: All



Brakes	238
Cargo Tanks	8
Dangerous Goods	2
Exhaust	32
Frame	4
Fuel System	1
Lighting Equipment	169
Load Securement	40
Miscellaneous	291
Steering Mechanism	12
Suspension	58
Tires	33
Trailer Bodies	7
Wheels and Rims	10
Windshield Wipers	1

Defect Category: Both  
 Total Defects: 906  
 Total Reports: 1,625  
 Defects / Reports: 0.56

# Number of Defects - CVSA Inspections '10

P4 - Public Service Truck - Manitoba Registration Only

Category: All

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
6	LEAK, LOCATION	32
7	CROSS MEMBER-BROKEN, SAGGING	4
8	FUEL SYSTEM LEAK, CAP MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	144
11	PROJECTING LOAD LAMPS, CLEARANCE	25
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	35
13	DUNNAGE, ANCHOR POINTS, FITTINGS	5
14	CHAMBERS, RESERVOIR, COMPRESSOR	10
15	HOSE, LINES, COUPLING, VALVES	63
16	LINING, DRUMS, DISCS	10
17	T.P. VALVE, L.A. WARNING DEVICE	4
18	AUDIBLE AIR LEAK, PUSH ROD	109
19	SLACK ADJUSTER, CAM SHAFT	15
20	PARK BRAKE, SPRING BRAKE	17
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	9
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	1
23	STEERING WHEEL, COLUMN, GEAR BOX	1
24	FRONT AXLE BEAM, PITMAN ARM	2
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	5
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	39
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	11
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	8
32	FLOOR / CROSS MEMBERS - BROKEN, DETACHED, SAGGING	5
33	SIDE PANELS - BAY AREA DAMAGE	2
34	BENT, BROKEN, CRACKED, LOOSE	9
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	1
37	INOPERATIVE, MISSING, DAMAGED	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	33
39	DANGEROUS GOODS	2
40	CARGO TANKS	8
42+	MISCELLANEOUS	291

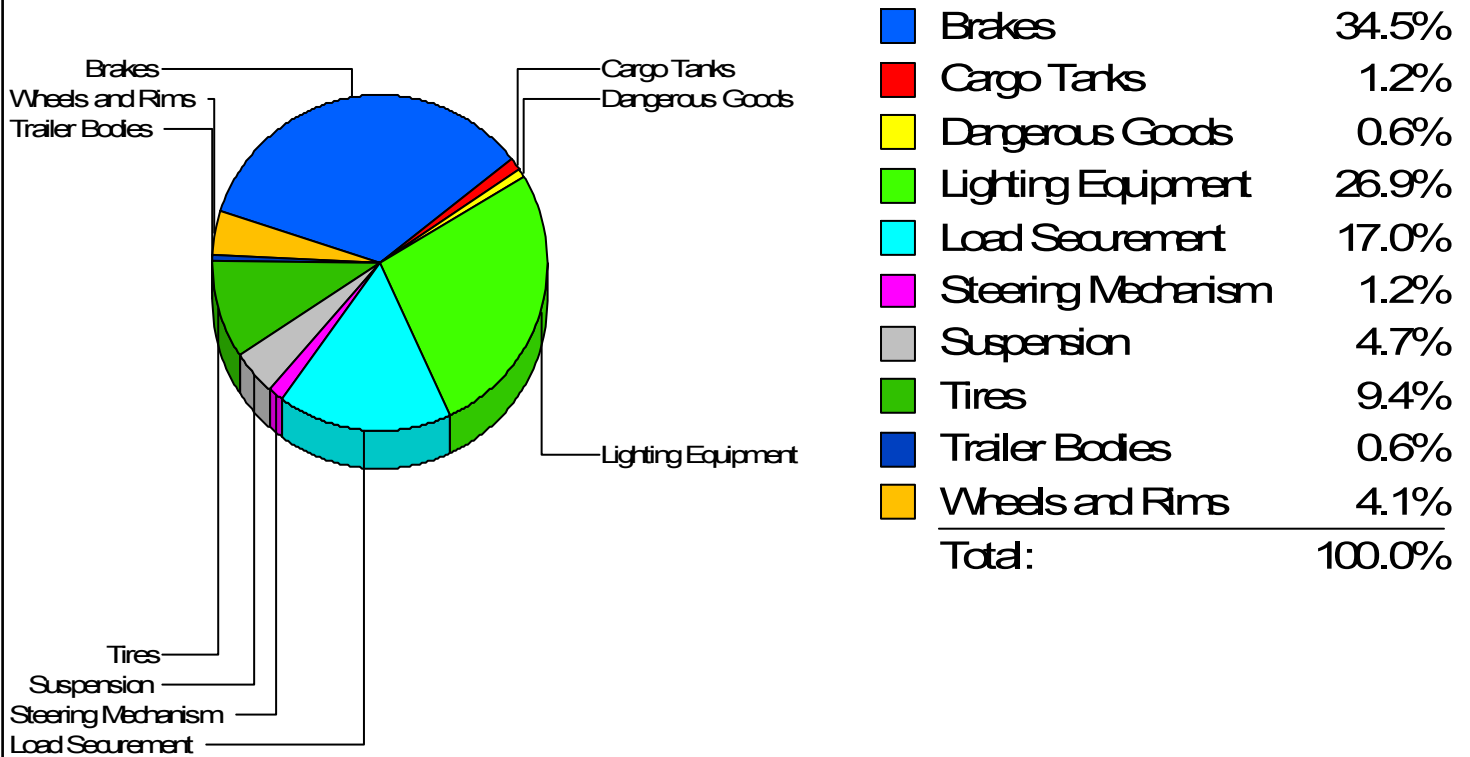
**Total Defects: 906**

**Total Reports: 1,625**

**Defects / Reports: 0.56**

# 2010 CVSA INSPECTIONS

Grouped by Defect Category  
Category: Out of Service



Brakes	59
Cargo Tanks	2
Dangerous Goods	1
Lighting Equipment	46
Load Securement	29
Steering Mechanism	2
Suspension	8
Tires	16
Trailer Bodies	1
Wheels and Rims	7

Defect Category: Out of Service

Total Defects: 171  
Total Reports: 165  
Defects / Reports: 1.04

# Number of Defects - CVSA Inspections '10

P4 - Public Service Truck - Manitoba Registration Only

Category: Out of Service

Defect Category: Out of Service

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	44
11	PROJECTING LOAD LAMPS, CLEARANCE	2
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	27
13	DUNNAGE, ANCHOR POINTS, FITTINGS	2
14	CHAMBERS, RESERVOIR, COMPRESSOR	2
15	HOSE, LINES, COUPLING, VALVES	21
16	LINING, DRUMS, DISCS	2
17	T.P. VALVE, L.A. WARNING DEVICE	2
18	AUDIBLE AIR LEAK, PUSH ROD	17
19	SLACK ADJUSTER, CAM SHAFT	8
20	PARK BRAKE, SPRING BRAKE	6
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	1
24	FRONT AXLE BEAM, PITMAN ARM	1
26	TIE-RODS, DRAG LINKS, NUTS	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	3
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	3
33	SIDE PANELS - BAY AREA DAMAGE	1
34	BENT, BROKEN, CRACKED, LOOSE	7
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	16
39	DANGEROUS GOODS	1
40	CARGO TANKS	2

**Total Defects: 171**

**Total Reports: 165**

**Defects / Reports: 1.04**

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# Number of Defects - CVSA Inspections '10

Non NSC - Light Duty Truck - Manitoba Registration Only

Category: All

Defect Category: Both

Manitoba  
Infrastructure and  
Transportation



Defect Code	Defect Description	Count
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	3
6	LEAK, LOCATION	15
7	CROSS MEMBER-BROKEN, SAGGING	8
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	121
11	PROJECTING LOAD LAMPS, CLEARANCE	1
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	39
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	2
15	HOSE, LINES, COUPLING, VALVES	8
16	LINING, DRUMS, DISCS	4
18	AUDIBLE AIR LEAK, PUSH ROD	4
20	PARK BRAKE, SPRING BRAKE	13
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	4
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	46
23	STEERING WHEEL, COLUMN, GEAR BOX	1
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	5
27	STEERING SYSTEM, C-DOLLY	1
28	AXLE PARTS - CRACKED, LOOSE, BROKEN, MISSING	6
29	SPRING ASSEMBLY - CRACKED, LOOSE, BROKEN, MISSING	2
30	AIR SUSPENSION - LEAKING, LOOSE, BROKEN	2
34	BENT, BROKEN, CRACKED, LOOSE	2
35	FASTENERS, STUDS, NUTS - MISSING, BROKEN	6
37	INOPERATIVE, MISSING, DAMAGED	4
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	20
40	CARGO TANKS	1
41	EMERGENCY EXITS	4
42+	MISCELLANEOUS	217

**Total Defects: 549**

**Total Reports: 234**

**Defects / Reports: 2.35**

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for the purpose of duplex printing*

# Number of Defects - CVSA Inspections '10

Non NSC - Light Duty Truck - Manitoba Registration Only

Manitoba  
Infrastructure and  
Transportation



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
2	HORIZONTAL MOVEMENT, KINGPIN WEAR, LOCK MECHANISM LOOSE	1
4	PRIMARY ATTACHMENT, CRACKED, LOOSE, WORN, NO SAFELY LOCK, BOLTS MISSING	1
10	HEADLAMPS, TAIL LIGHTS, SIGNAL, BRAKE	62
12	SPARE TIRE, DEFECTIVE TIE-DOWNS	32
13	DUNNAGE, ANCHOR POINTS, FITTINGS	3
14	CHAMBERS, RESERVOIR, COMPRESSOR	1
15	HOSE, LINES, COUPLING, VALVES	1
16	LINING, DRUMS, DISCS	3
20	PARK BRAKE, SPRING BRAKE	10
21	FLUID LEAKAGE, LOW LEVEL, LOW PEDAL, WARNING LIGHT	2
22	POWER ASSIST, VAC. RESERVE, ELECTRIC - HYDRAULIC	45
25	POWER STEERING, BALL / SOCKET JOINTS	4
26	TIE-RODS, DRAG LINKS, NUTS	2
34	BENT, BROKEN, CRACKED, LOOSE	1
38	WORN, CUT, FLAT, MIXED, CRACKED, UNDER-SIZED, INFLATED	5
41	EMERGENCY EXITS	3

**Total Defects: 176**

**Total Reports: 118**

**Defects / Reports: 1.49**