

**MANITOBA
INFRASTRUCTURE
AND
TRANSPORTATION**

2008 CVSA INSPECTIONS

*This page is intended to be blank
for the purpose of duplex printing*

2008 CVSA INSPECTIONS

Table of Contents

Inspection Results by Base Jurisdiction	1
Defects for All Categories	2-3
Defects for the Pass Category	4
Defects for the Fail Category	5-6
Defects for the Out of Service Category	7-8
Out of Service Defects for the Out of Service Category	9-10
Fail Conditional Defects for the Out of Service Category	11-12
Inspection Results For Manitoba Based Carriers	13
Manitoba Carrier Defects for All Categories	14-15
Manitoba Carrier Defects for the Pass Category	16
Manitoba Carrier Defects for the Fail Category	17-18
Manitoba Carrier Defects for the Out of Service Category	19-20
Manitoba Carrier Out of Service Defects for the Out of Service Category	21-22
Manitoba Carrier Fail Conditional Defects for the Out of Service Category	23-24
Inspection Results For Out of Province Based Carriers	25
Out of Province Carrier Defects for All Categories	26-27
Out of Province Carrier Defects for the Pass Category	28
Out of Province Carrier Defects for the Fail Category	29-30
Out of Province Carrier Defects for the Out of Service Category	31-32
Out of Province Carrier Out of Service Defects for the Out of Service Category	33-34
Out of Province Carrier Fail Conditional Defects for the Out of Service Category	35-36
Inspection Results by Registration Class	37
A5 Straight Truck - Defects for All Categories	38-39
A5 Straight Truck - Out of Service Defects for the Out of Service Category	40-41
A6 Farm Truck - Defects for All Categories	42-43
A6 Farm Truck - Out of Service Defects for the Out of Service Category	44-45
C1 Commercial Truck - Defects for All Categories	46-47
C1 Commercial Truck - Out of Service Defects for the Out of Service Category	48-49
P Public Service Truck - Defects for All Categories	50-51
P Public Service Truck - Out of Service Defects for the Out of Service Category	52-53
Light Duty Truck - Defects for All Categories	54
Light Duty Truck - Out of Service Defects for the Out of Service Category	55

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.

*This page is intended to be blank
for the purpose of duplex printing*

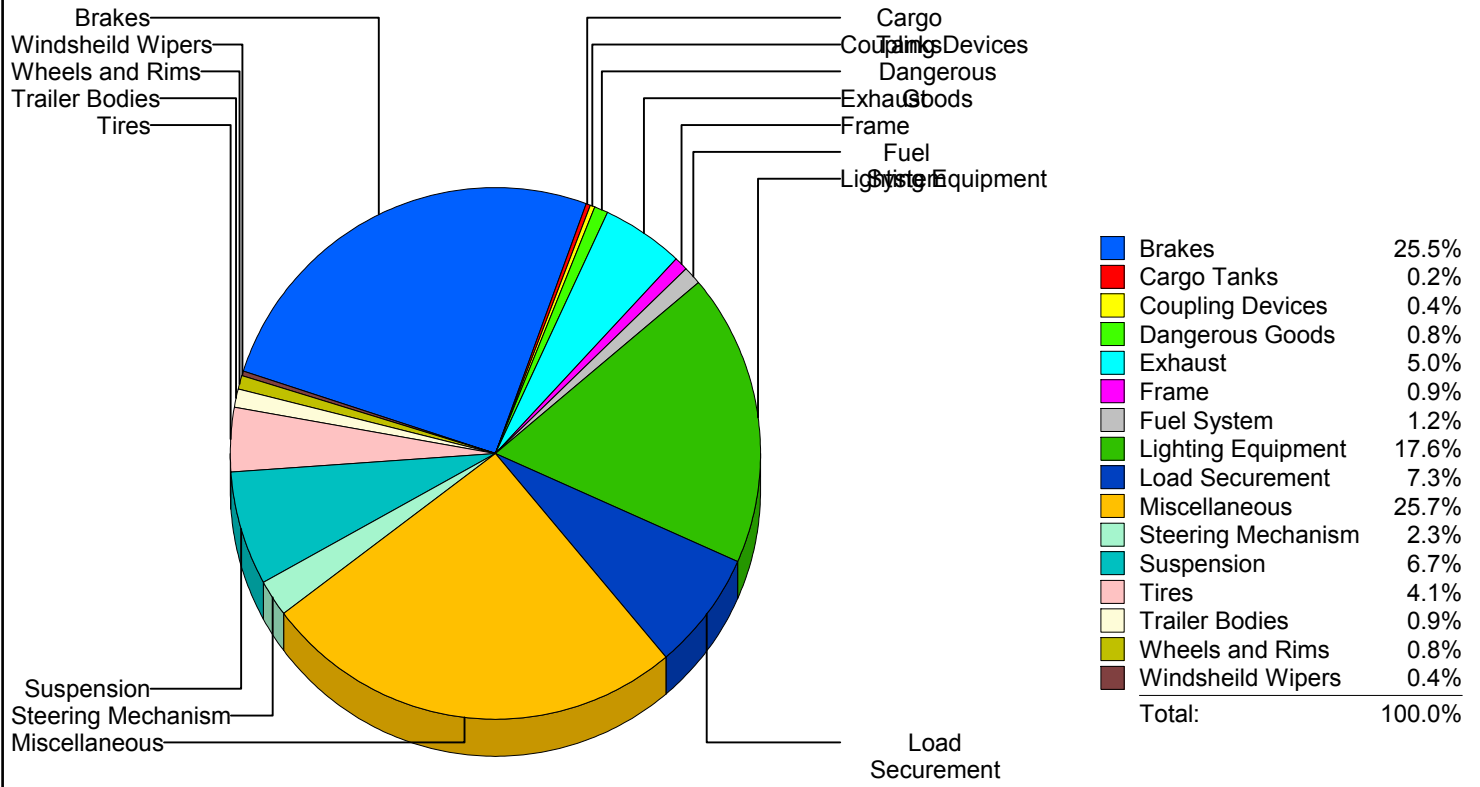
2008 CVSA INSPECTIONS

Results by Base Jurisdiction

Truck Jurisdiction	Inspection Result			Total	Percentage (%)
	Pass	Fail	OOS		
Alabama	2	1	0	3	0.05%
Alberta	269	56	38	363	6.12%
Arizona	3	1	1	5	0.08%
British Columbia	173	33	28	234	3.94%
California	3	1	0	4	0.07%
Florida	1	0	1	2	0.03%
Georgia	4	1	1	6	0.10%
Illinois	15	6	5	26	0.44%
Indiana	12	7	3	22	0.37%
Iowa	5	3	4	12	0.20%
Kansas	1	1	0	2	0.03%
Kentucky	0	0	1	1	0.02%
Manitoba	1,998	765	879	3,642	61.39%
Maryland	1	0	0	1	0.02%
Michigan	3	2	0	5	0.08%
Minnesota	40	30	30	100	1.69%
Mississippi	0	0	2	2	0.03%
Missouri	7	0	3	10	0.17%
Montana	3	0	0	3	0.05%
Nebraska	2	0	0	2	0.03%
New Brunswick	60	10	11	81	1.37%
New Jersey	0	0	1	1	0.02%
New York	1	0	1	2	0.03%
Newfoundland	3	1	0	4	0.07%
North Carolina	2	0	0	2	0.03%
North Dakota	41	31	14	86	1.45%
Nova Scotia	9	2	2	13	0.22%
Ohio	5	2	0	7	0.12%
Oklahoma	2	0	1	3	0.05%
Ontario	613	103	110	826	13.92%
Oregon	1	0	0	1	0.02%
Pennsylvania	1	1	0	2	0.03%
Prince Edward Island	1	0	0	1	0.02%
Quebec	57	18	16	91	1.53%
Saskatchewan	198	89	50	337	5.68%
South Carolina	1	0	0	1	0.02%
South Dakota	1	2	0	3	0.05%
Tennessee	3	2	0	5	0.08%
Texas	2	0	2	4	0.07%
Utah	2	0	0	2	0.03%
Washington	3	0	1	4	0.07%
Wisconsin	11	0	1	12	0.20%
TOTALS	3,559	1,168	1,206	5,933	100%
Percentage(%)	59.99%	19.69%	20.33%	100%	

2008 CVSA INSPECTIONS

Grouped by Defect Category
Category: All



Brakes	1,320
Cargo Tanks	12
Coupling Devices	22
Dangerous Goods	41
Exhaust	259
Frame	44
Fuel System	62
Lighting Equipment	913
Load Securement	378
Miscellaneous	1,332
Steering Mechanism	120
Suspension	349
Tires	212
Trailer Bodies	47
Wheels and Rims	42
Windsheild Wipers	20

Defect Category: Both
Total Defects: 5,173
Total Reports: 5,933
Defects / Reports: 0.87

Number of Defects - CVSA Inspections '08

Manitoba
Infrastructure and
Transportation



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
1	Fifth wheel assembly - upper / lower cracks	4
2	Horizontal movement, kingpin wear, lock mechanism loose	11
3	Fasteners, stops, mounting	3
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
5	Secondary attachment missing, worn, under size, length ineffective	3
6	Leak, location	259
7	Cross member-broken, sagging	44
8	Fuel system leak, cap missing	46
9	Unsecured tank	16
10	Headlamps, tail lights, signal, brake	833
11	Projecting load lamps, clearance	80
12	Spare tire, defective tie-downs	267
13	Dunnage, anchor points, fittings	111
14	Chambers, reservoir, compressor	98
15	Hose, lines, coupling, valves	390
16	Lining, drums, discs	46
17	T.P. valve, L.A. warning device	34
18	Audible air leak, push rod	504
19	Slack adjuster, cam shaft	79
20	Park brake, spring brake	137
21	Fluid leakage, low level, low pedal, warning light	27
22	Power assist, vac. reserve	5
23	teering wheel, column, gear box	30
24	Front axle beam, pitman arm	26
25	Power steering, ball / socket joints	35
26	Tie-rods, drag links, nuts	23
27	Steering system, C-dolly	6
28	Axle parts - cracked, loose, broken, missing	179
29	Spring assembly - cracked, loose, broken, missing	110
30	Air Suspension - leaking, loose, broken	60
31	Upper / lower rail - broken, cracked, buckled, twists, bends	11
32	Floor / cross members - broken, detached, sagging	23
33	Side panels - bay area damage	13
34	Bent, broken, cracked, loose	15
35	Fasteners, studs, nuts - missing, broken	27
37	Inoperative, missing, damaged	20
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	212
39	DANGEROUS GOODS	41
40	CARGO TANKS	12
42+	MISCELLANEOUS	1,332

Total Defects: 5,173

Total Reports: 5,933

Defects / Reports: 0.87

*This page is intended to be blank
for the purpose of duplex printing*

Number of Defects - CVSA Inspections '08

Manitoba
Infrastructure and
Transportation



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
42+	MISCELLANEOUS	363

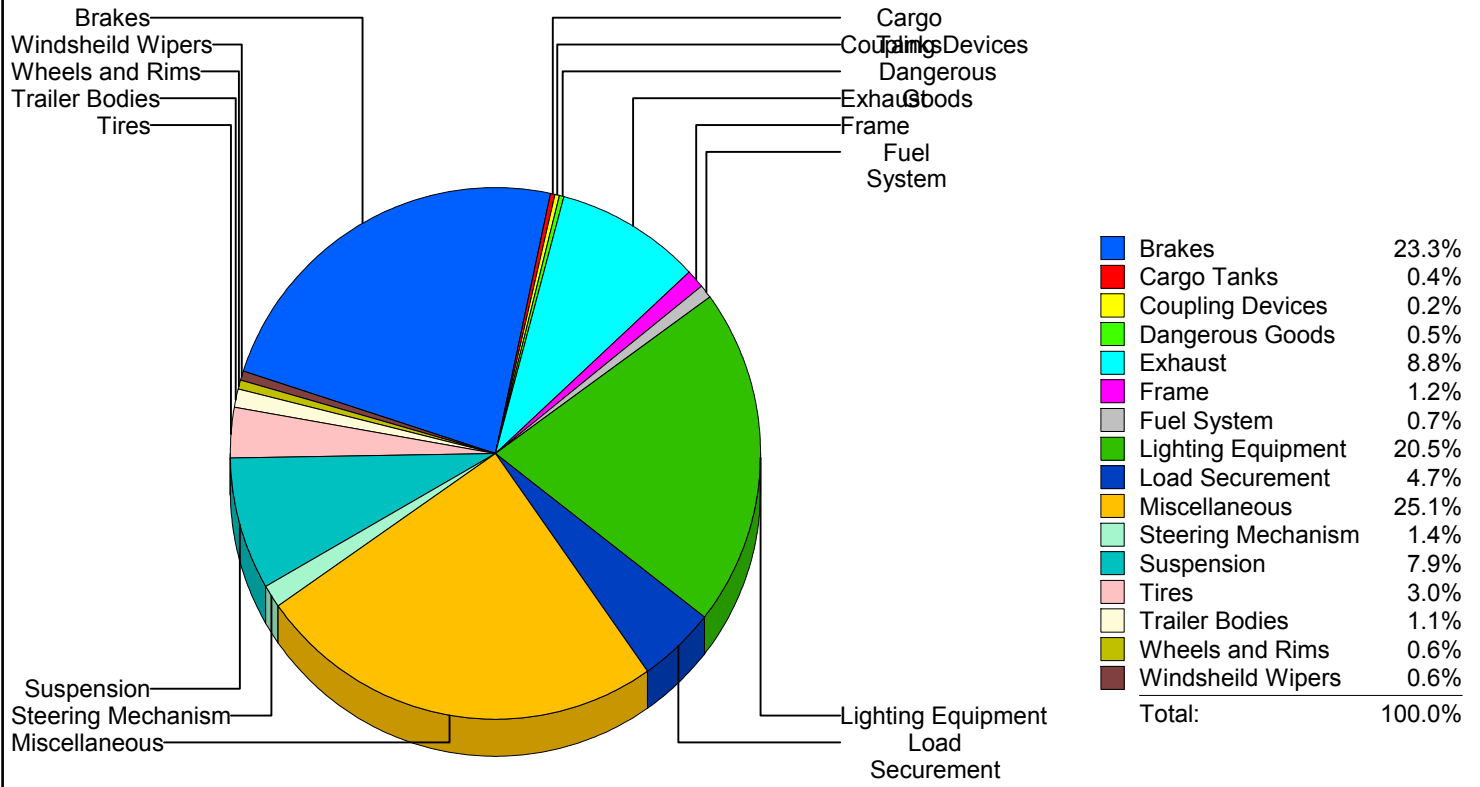
Total Defects: 363

Total Reports: 3,559

Defects / Reports: 0.10

2008 CVSA INSPECTIONS

Grouped by Defect Category
Category: Fail Conditional



Brakes	361
Cargo Tanks	6
Coupling Devices	3
Dangerous Goods	7
Exhaust	136
Frame	19
Fuel System	11
Lighting Equipment	318
Load Securement	73
Miscellaneous	389
Steering Mechanism	22
Suspension	123
Tires	47
Trailer Bodies	17
Wheels and Rims	9
Windsheild Wipers	10

Defect Category: Fail Conditional

Total Defects: 1,551
Total Reports: 1,168
Defects / Reports: 1.33

Number of Defects - CVSA Inspections '08

Manitoba
Infrastructure and
Transportation



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
3	Fasteners, stops, mounting	1
5	Secondary attachment missing, worn, under size, length ineffective	2
6	Leak, location	136
7	Cross member-broken, sagging	19
8	Fuel system leak, cap missing	6
9	Unsecured tank	5
10	Headlamps, tail lights, signal, brake	285
11	Projecting load lamps, clearance	33
12	Spare tire, defective tie-downs	49
13	Dunnage, anchor points, fittings	24
14	Chambers, reservoir, compressor	24
15	Hose, lines, coupling, valves	98
16	Lining, drums, discs	8
17	T.P. valve, L.A. warning device	1
18	Audible air leak, push rod	175
19	Slack adjuster, cam shaft	31
20	Park brake, spring brake	17
21	Fluid leakage, low level, low pedal, warning light	6
22	Power assist, vac. reserve	1
23	teering wheel, column, gear box	6
24	Front axle beam, pitman arm	1
25	Power steering, ball / socket joints	9
26	Tie-rods, drag links, nuts	4
27	Steering system, C-dolly	2
28	Axle parts - cracked, loose, broken, missing	71
29	Spring assembly - cracked, loose, broken, missing	40
30	Air Suspension - leaking, loose, broken	12
31	Upper / lower rail - broken, cracked, buckled, twists, bends	6
32	Floor / cross members - broken, detached, sagging	6
33	Side panels - bay area damage	5
34	Bent, broken, cracked, loose	1
35	Fasteners, studs, nuts - missing, broken	8
37	Inoperative, missing, damaged	10
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	47
39	DANGEROUS GOODS	7
40	CARGO TANKS	6
42+	MISCELLANEOUS	389

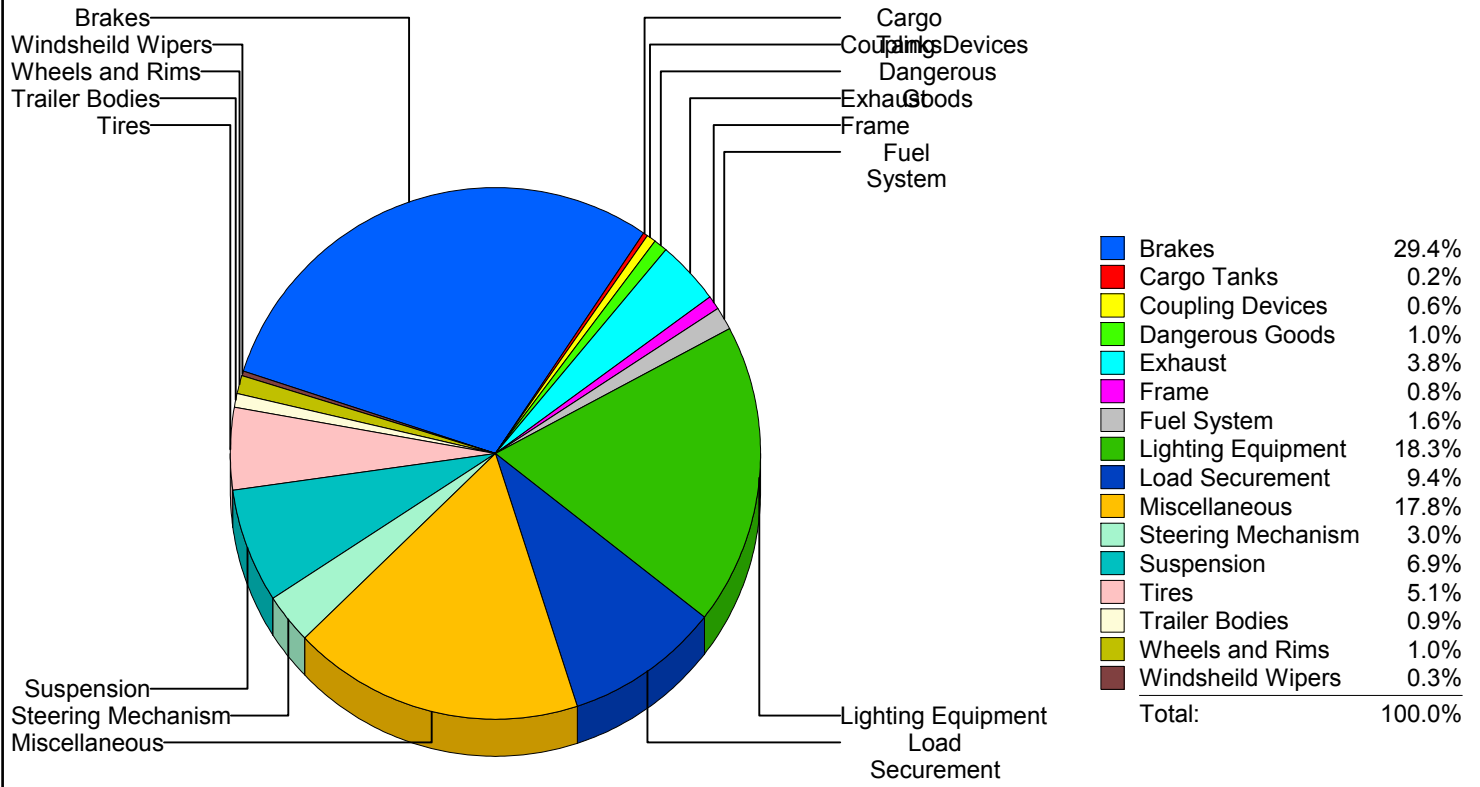
Total Defects: 1,551

Total Reports: 1,168

Defects / Reports: 1.33

2008 CVSA INSPECTIONS

Grouped by Defect Category
Category: Out of Service



Brakes	959
Cargo Tanks	6
Coupling Devices	19
Dangerous Goods	34
Exhaust	123
Frame	25
Fuel System	51
Lighting Equipment	595
Load Securement	305
Miscellaneous	580
Steering Mechanism	98
Suspension	226
Tires	165
Trailer Bodies	30
Wheels and Rims	33
Windsheild Wipers	10

Defect Category: Both
Total Defects: 3,259
Total Reports: 1,206
Defects / Reports: 2.70

Number of Defects - CVSA Inspections '08

Manitoba
Infrastructure and
Transportation



Category: Out of Service

Defect Category: Both

Defect Code	Defect Description	Count
1	Fifth wheel assembly - upper / lower cracks	4
2	Horizontal movement, kingpin wear, lock mechanism loose	11
3	Fasteners, stops, mounting	2
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
5	Secondary attachment missing, worn, under size, length ineffective	1
6	Leak, location	123
7	Cross member-broken, sagging	25
8	Fuel system leak, cap missing	40
9	Unsecured tank	11
10	Headlamps, tail lights, signal, brake	548
11	Projecting load lamps, clearance	47
12	Spare tire, defective tie-downs	218
13	Dunnage, anchor points, fittings	87
14	Chambers, reservoir, compressor	74
15	Hose, lines, coupling, valves	292
16	Lining, drums, discs	38
17	T.P. valve, L.A. warning device	33
18	Audible air leak, push rod	329
19	Slack adjuster, cam shaft	48
20	Park brake, spring brake	120
21	Fluid leakage, low level, low pedal, warning light	21
22	Power assist, vac. reserve	4
23	teering wheel, column, gear box	24
24	Front axle beam, pitman arm	25
25	Power steering, ball / socket joints	26
26	Tie-rods, drag links, nuts	19
27	Steering system, C-dolly	4
28	Axle parts - cracked, loose, broken, missing	108
29	Spring assembly - cracked, loose, broken, missing	70
30	Air Suspension - leaking, loose, broken	48
31	Upper / lower rail - broken, cracked, buckled, twists, bends	5
32	Floor / cross members - broken, detached, sagging	17
33	Side panels - bay area damage	8
34	Bent, broken, cracked, loose	14
35	Fasteners, studs, nuts - missing, broken	19
37	Inoperative, missing, damaged	10
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	165
39	DANGEROUS GOODS	34
40	CARGO TANKS	6
42+	MISCELLANEOUS	580

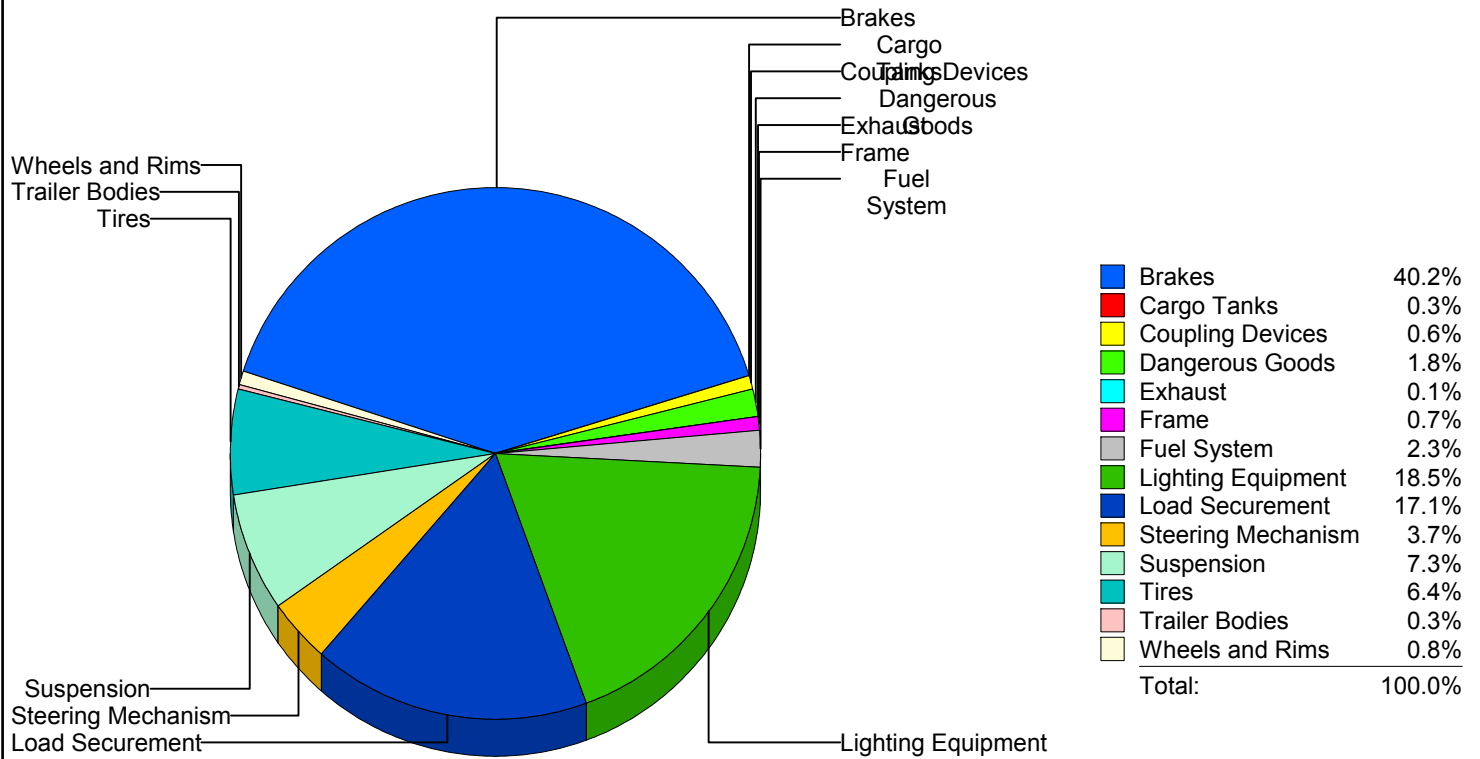
Total Defects: 3,259

Total Reports: 1,206

Defects / Reports: 2.70

2008 CVSA INSPECTIONS

Grouped by Defect Category
Category: Out of Service



Brakes	632
Cargo Tanks	4
Coupling Devices	10
Dangerous Goods	28
Exhaust	1
Frame	11
Fuel System	36
Lighting Equipment	291
Load Securement	269
Steering Mechanism	59
Suspension	115
Tires	101
Trailer Bodies	4
Wheels and Rims	13

Defect Category: Out of Service

Total Defects: 1,574
Total Reports: 1,206
Defects / Reports: 1.31

Number of Defects - CVSA Inspections '08

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	3
2	Horizontal movement, kingpin wear, lock mechanism loose	3
3	Fasteners, stops, mounting	2
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
5	Secondary attachment missing, worn, under size, length ineffective	1
6	Leak, location	1
7	Cross member-broken, sagging	11
8	Fuel system leak, cap missing	31
9	Unsecured tank	5
10	Headlamps, tail lights, signal, brake	288
11	Projecting load lamps, clearance	3
12	Spare tire, defective tie-downs	200
13	Dunnage, anchor points, fittings	69
14	Chambers, reservoir, compressor	49
15	Hose, lines, coupling, valves	187
16	Lining, drums, discs	24
17	T.P. valve, L.A. warning device	32
18	Audible air leak, push rod	187
19	Slack adjuster, cam shaft	26
20	Park brake, spring brake	114
21	Fluid leakage, low level, low pedal, warning light	9
22	Power assist, vac. reserve	4
23	teering wheel, column, gear box	13
24	Front axle beam, pitman arm	21
25	Power steering, ball / socket joints	13
26	Tie-rods, drag links, nuts	9
27	Steering system, C-dolly	3
28	Axle parts - cracked, loose, broken, missing	44
29	Spring assembly - cracked, loose, broken, missing	40
30	Air Suspension - leaking, loose, broken	31
31	Upper / lower rail - broken, cracked, buckled, twists, bends	2
32	Floor / cross members - broken, detached, sagging	2
34	Bent, broken, cracked, loose	8
35	Fasteners, studs, nuts - missing, broken	5
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	101
39	DANGEROUS GOODS	28
40	CARGO TANKS	4

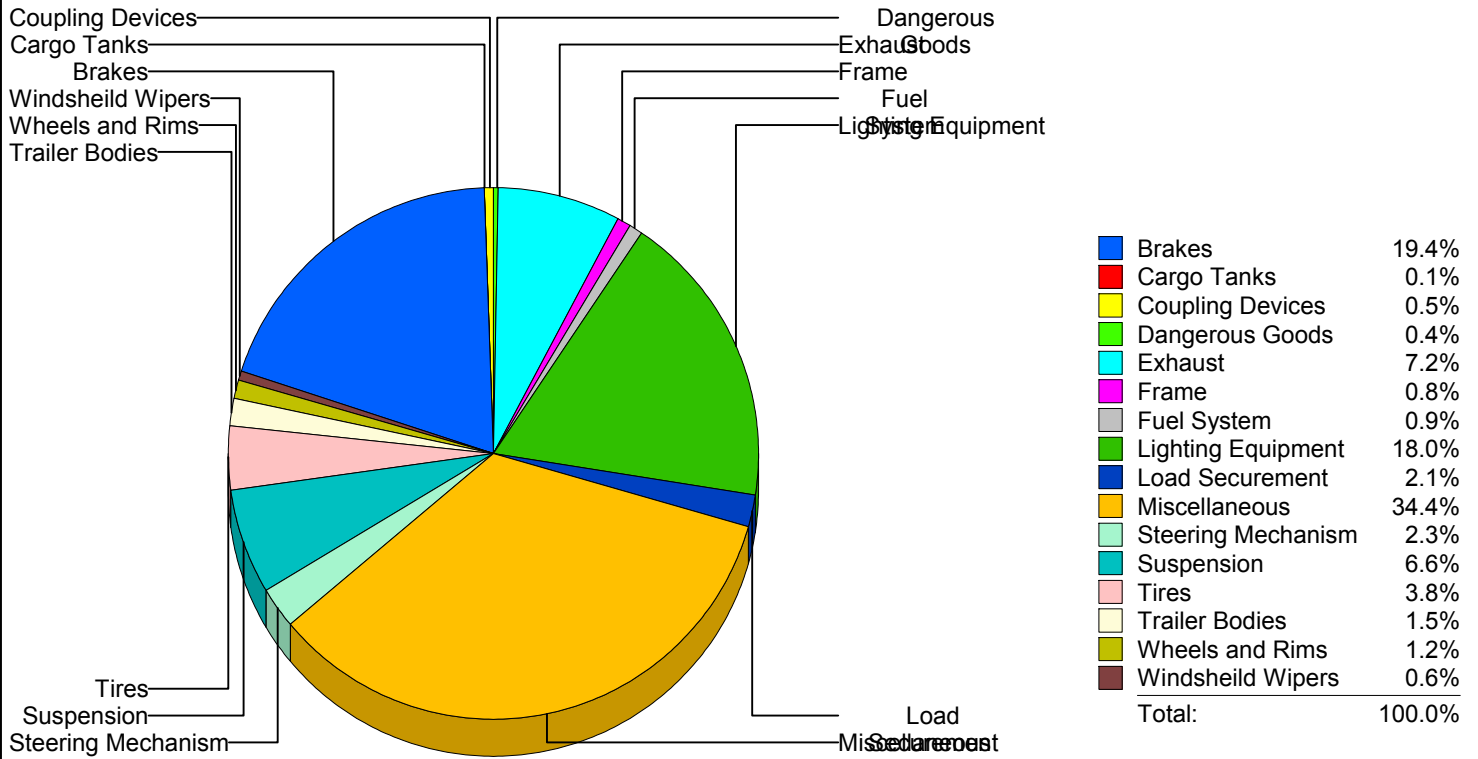
Total Defects: 1,574

Total Reports: 1,206

Defects / Reports: 1.31

2008 CVSA INSPECTIONS

Grouped by Defect Category
Category: Out of Service



Brakes	327
Cargo Tanks	2
Coupling Devices	9
Dangerous Goods	6
Exhaust	122
Frame	14
Fuel System	15
Lighting Equipment	304
Load Securement	36
Miscellaneous	580
Steering Mechanism	39
Suspension	111
Tires	64
Trailer Bodies	26
Wheels and Rims	20
Windsheild Wipers	10

Defect Category: Fail Conditional

Total Defects: 1,685
Total Reports: 1,206
Defects / Reports: 1.40

Number of Defects - CVSA Inspections '08

Manitoba
Infrastructure and
Transportation



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	8
6	Leak, location	122
7	Cross member-broken, sagging	14
8	Fuel system leak, cap missing	9
9	Unsecured tank	6
10	Headlamps, tail lights, signal, brake	260
11	Projecting load lamps, clearance	44
12	Spare tire, defective tie-downs	18
13	Dunnage, anchor points, fittings	18
14	Chambers, reservoir, compressor	25
15	Hose, lines, coupling, valves	105
16	Lining, drums, discs	14
17	T.P. valve, L.A. warning device	1
18	Audible air leak, push rod	142
19	Slack adjuster, cam shaft	22
20	Park brake, spring brake	6
21	Fluid leakage, low level, low pedal, warning light	12
23	teering wheel, column, gear box	11
24	Front axle beam, pitman arm	4
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	64
29	Spring assembly - cracked, loose, broken, missing	30
30	Air Suspension - leaking, loose, broken	17
31	Upper / lower rail - broken, cracked, buckled, twists, bends	3
32	Floor / cross members - broken, detached, sagging	15
33	Side panels - bay area damage	8
34	Bent, broken, cracked, loose	6
35	Fasteners, studs, nuts - missing, broken	14
37	Inoperative, missing, damaged	10
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	64
39	DANGEROUS GOODS	6
40	CARGO TANKS	2
42+	MISCELLANEOUS	580

Total Defects: 1,685

Total Reports: 1,206

Defects / Reports: 1.40

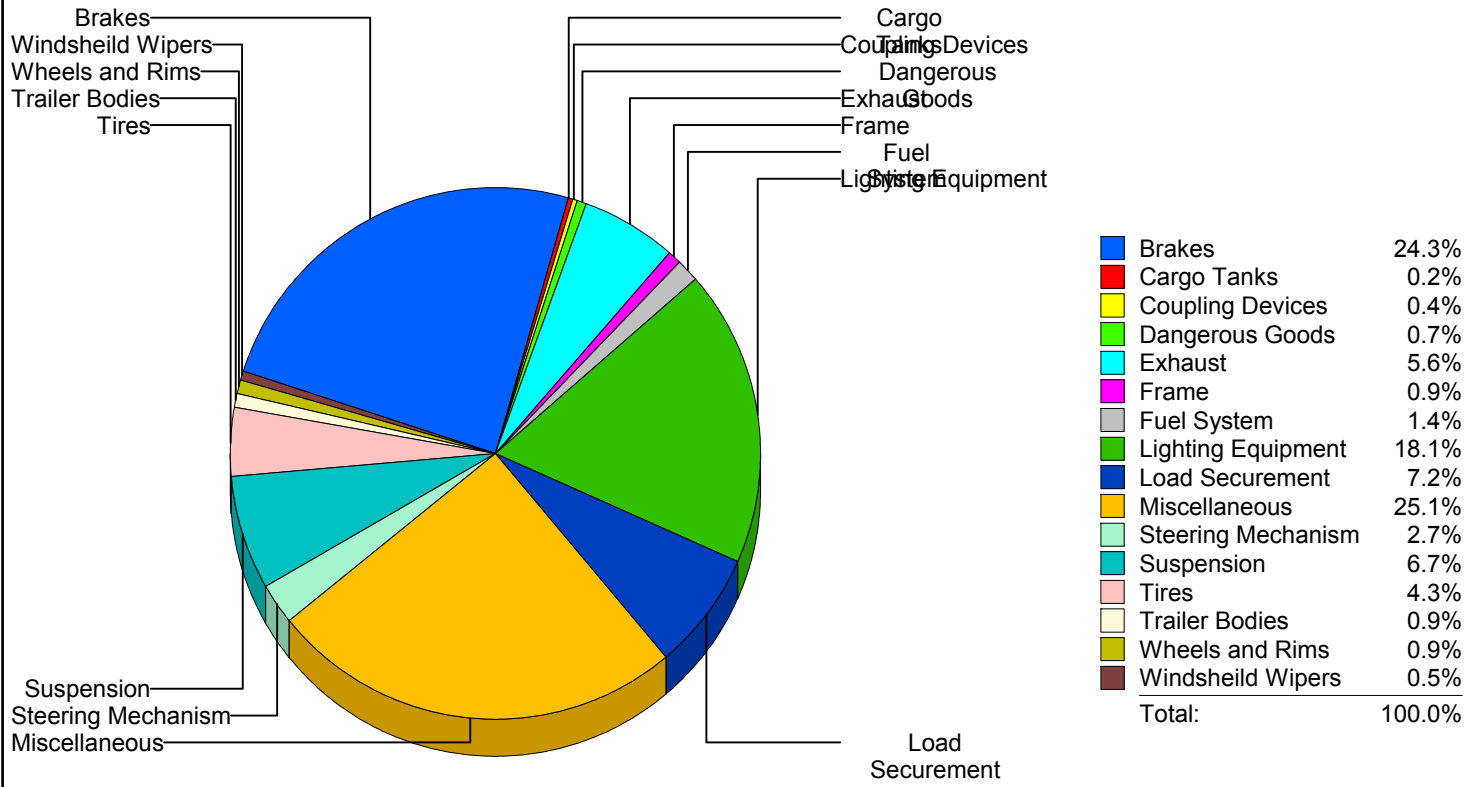
*This page is intended to be blank
for the purpose of duplex printing*

2008 CVSA INSPECTIONS
 Inspection Results For Manitoba Carriers

Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	1,998	765	879	3,642
Percentage of Reports	54.86%	21.00%	24.14%	100%
Defects	258	1,211	2,536	4,005
Defects per Report	0.13	1.58	2.89	1.10

2008 CVSA INSPECTIONS

Grouped by Defect Category
 Category: All
 Carrier Jurisdiction - Manitoba



Brakes	975
Cargo Tanks	10
Coupling Devices	15
Dangerous Goods	28
Exhaust	225
Frame	37
Fuel System	57
Lighting Equipment	725
Load Securement	289
Miscellaneous	1,006
Steering Mechanism	107
Suspension	270
Tires	171
Trailer Bodies	35
Wheels and Rims	35
Windsheild Wipers	20

Defect Category: Both
Total Defects: 4,005
Total Reports: 3,642
Defects / Reports: 1.10

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Manitoba

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	7
3	Fasteners, stops, mounting	2
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
5	Secondary attachment missing, worn, under size, length ineffective	3
6	Leak, location	225
7	Cross member-broken, sagging	37
8	Fuel system leak, cap missing	41
9	Unsecured tank	16
10	Headlamps, tail lights, signal, brake	656
11	Projecting load lamps, clearance	69
12	Spare tire, defective tie-downs	216
13	Dunnage, anchor points, fittings	73
14	Chambers, reservoir, compressor	71
15	Hose, lines, coupling, valves	256
16	Lining, drums, discs	28
17	T.P. valve, L.A. warning device	28
18	Audible air leak, push rod	378
19	Slack adjuster, cam shaft	64
20	Park brake, spring brake	121
21	Fluid leakage, low level, low pedal, warning light	25
22	Power assist, vac. reserve	4
23	teering wheel, column, gear box	25
24	Front axle beam, pitman arm	24
25	Power steering, ball / socket joints	31
26	Tie-rods, drag links, nuts	21
27	Steering system, C-dolly	6
28	Axle parts - cracked, loose, broken, missing	136
29	Spring assembly - cracked, loose, broken, missing	97
30	Air Suspension - leaking, loose, broken	37
31	Upper / lower rail - broken, cracked, buckled, twists, bends	9
32	Floor / cross members - broken, detached, sagging	17
33	Side panels - bay area damage	9
34	Bent, broken, cracked, loose	12
35	Fasteners, studs, nuts - missing, broken	23
37	Inoperative, missing, damaged	20
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	171
39	DANGEROUS GOODS	28
40	CARGO TANKS	10
42+	MISCELLANEOUS	1,006

Total Defects: 4,005

Total Reports: 3,642

Defects / Reports: 1.10

*This page is intended to be blank
for the purpose of duplex printing*

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Manitoba

Manitoba
Infrastructure and
Transportation



Category: Pass

Defect Category: N/A

Defect Code	Defect Description	Count
42+	MISCELLANEOUS	258

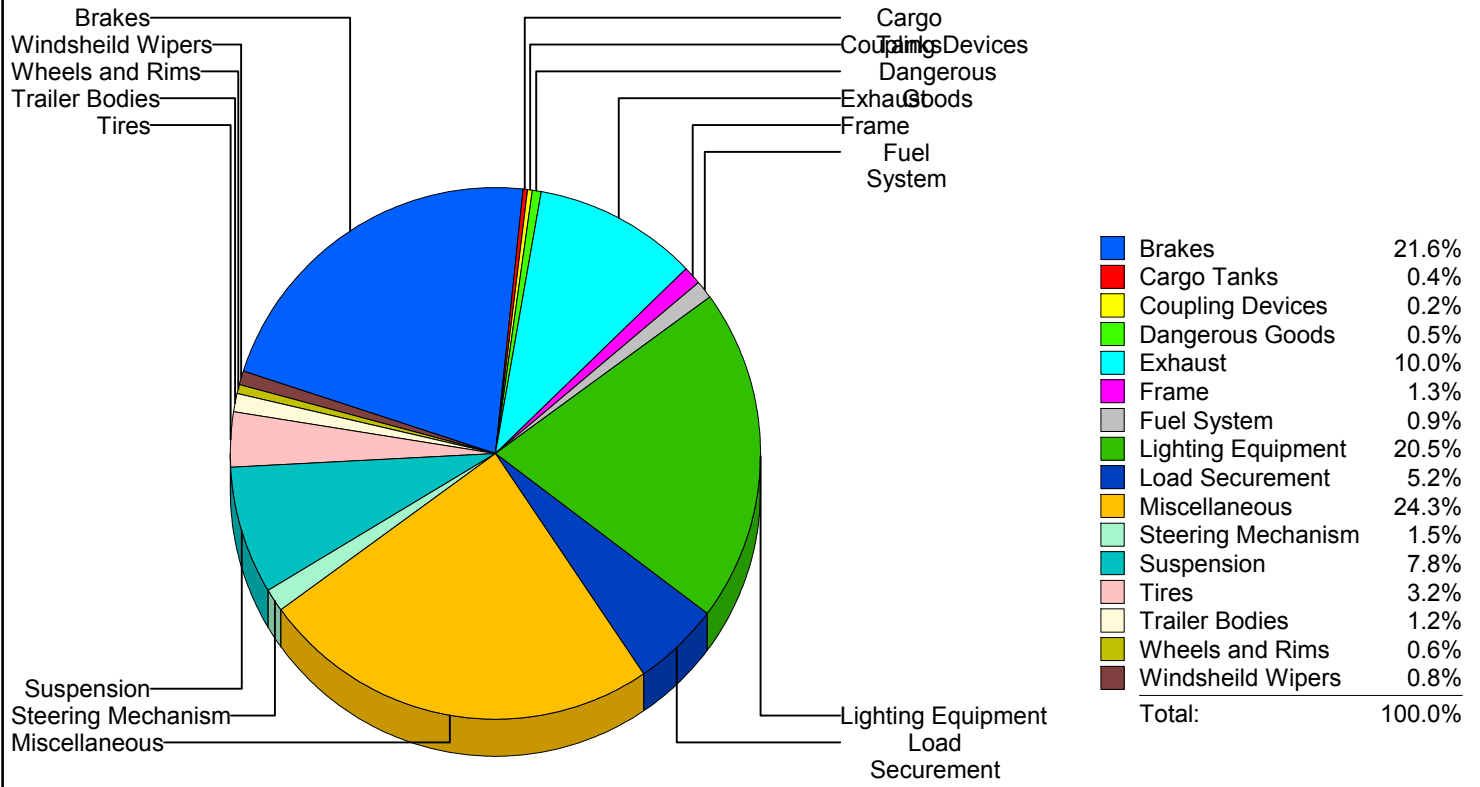
Total Defects: 258

Total Reports: 1,998

Defects / Reports: 0.13

2008 CVSA INSPECTIONS

Grouped by Defect Category
 Category: Fail Conditional
 Carrier Jurisdiction - Manitoba



Brakes	261
Cargo Tanks	5
Coupling Devices	3
Dangerous Goods	6
Exhaust	121
Frame	16
Fuel System	11
Lighting Equipment	248
Load Securement	63
Miscellaneous	294
Steering Mechanism	18
Suspension	95
Tires	39
Trailer Bodies	14
Wheels and Rims	7
Windsheild Wipers	10

Defect Category: Fail Conditional

Total Defects: 1,211
Total Reports: 765
Defects / Reports: 1.58

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Manitoba

Manitoba
Infrastructure and
Transportation



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
3	Fasteners, stops, mounting	1
5	Secondary attachment missing, worn, under size, length ineffective	2
6	Leak, location	121
7	Cross member-broken, sagging	16
8	Fuel system leak, cap missing	6
9	Unsecured tank	5
10	Headlamps, tail lights, signal, brake	218
11	Projecting load lamps, clearance	30
12	Spare tire, defective tie-downs	41
13	Dunnage, anchor points, fittings	22
14	Chambers, reservoir, compressor	17
15	Hose, lines, coupling, valves	58
16	Lining, drums, discs	4
17	T.P. valve, L.A. warning device	1
18	Audible air leak, push rod	131
19	Slack adjuster, cam shaft	27
20	Park brake, spring brake	16
21	Fluid leakage, low level, low pedal, warning light	6
22	Power assist, vac. reserve	1
23	teering wheel, column, gear box	5
25	Power steering, ball / socket joints	8
26	Tie-rods, drag links, nuts	3
27	Steering system, C-dolly	2
28	Axle parts - cracked, loose, broken, missing	52
29	Spring assembly - cracked, loose, broken, missing	38
30	Air Suspension - leaking, loose, broken	5
31	Upper / lower rail - broken, cracked, buckled, twists, bends	5
32	Floor / cross members - broken, detached, sagging	5
33	Side panels - bay area damage	4
35	Fasteners, studs, nuts - missing, broken	7
37	Inoperative, missing, damaged	10
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	39
39	DANGEROUS GOODS	6
40	CARGO TANKS	5
42+	MISCELLANEOUS	294

Total Defects: 1,211

Total Reports: 765

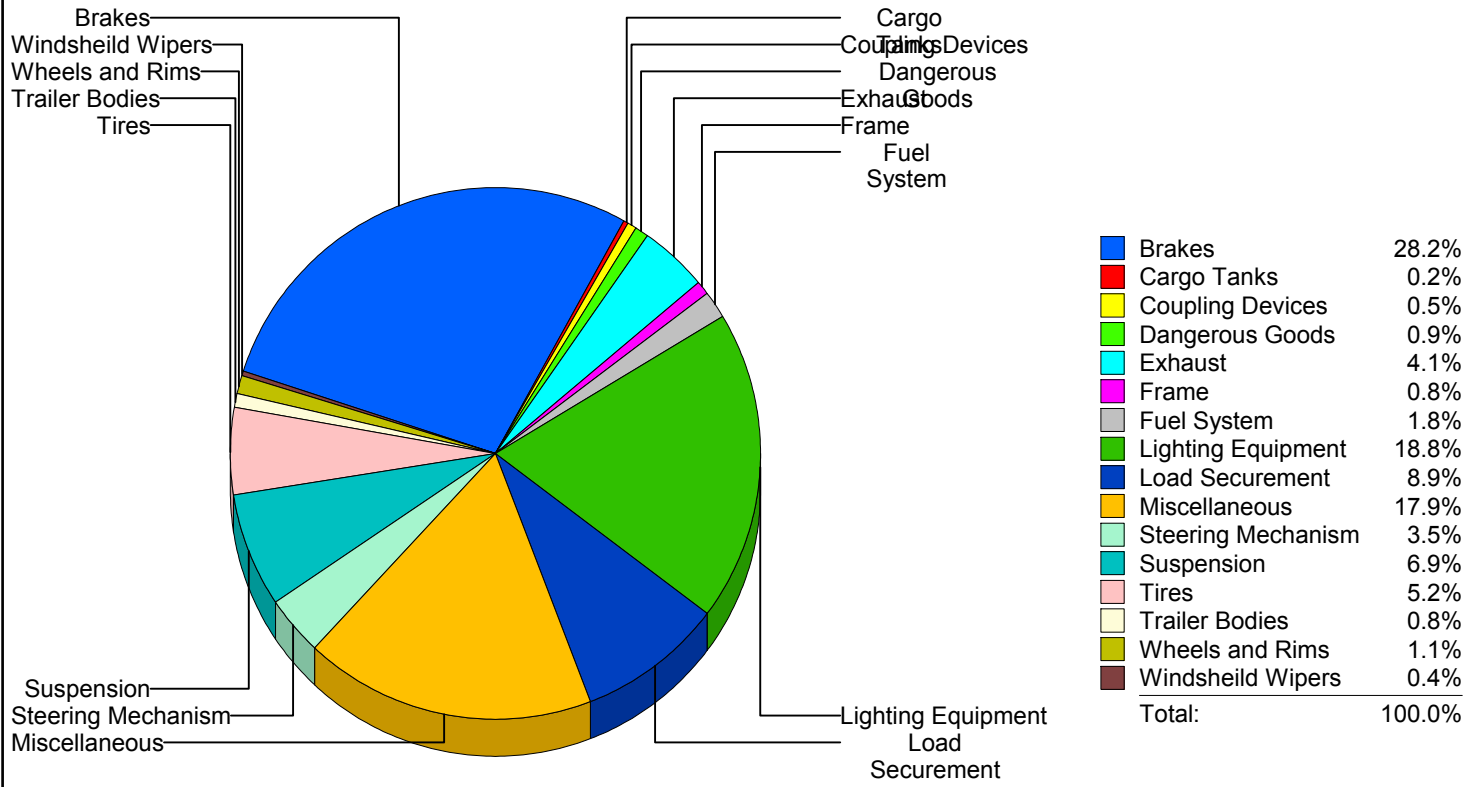
Defects / Reports: 1.58

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

Carrier Jurisdiction - Manitoba



Brakes	714
Cargo Tanks	5
Coupling Devices	12
Dangerous Goods	22
Exhaust	104
Frame	21
Fuel System	46
Lighting Equipment	477
Load Securement	226
Miscellaneous	454
Steering Mechanism	89
Suspension	175
Tires	132
Trailer Bodies	21
Wheels and Rims	28
Windsheild Wipers	10

Defect Category: Both
Total Defects: 2,536
Total Reports: 879
Defects / Reports: 2.89

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Manitoba

Manitoba
Infrastructure and
Transportation



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	7
3	Fasteners, stops, mounting	1
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
5	Secondary attachment missing, worn, under size, length ineffective	1
6	Leak, location	104
7	Cross member-broken, sagging	21
8	Fuel system leak, cap missing	35
9	Unsecured tank	11
10	Headlamps, tail lights, signal, brake	438
11	Projecting load lamps, clearance	39
12	Spare tire, defective tie-downs	175
13	Dunnage, anchor points, fittings	51
14	Chambers, reservoir, compressor	54
15	Hose, lines, coupling, valves	198
16	Lining, drums, discs	24
17	T.P. valve, L.A. warning device	27
18	Audible air leak, push rod	247
19	Slack adjuster, cam shaft	37
20	Park brake, spring brake	105
21	Fluid leakage, low level, low pedal, warning light	19
22	Power assist, vac. reserve	3
23	teering wheel, column, gear box	20
24	Front axle beam, pitman arm	24
25	Power steering, ball / socket joints	23
26	Tie-rods, drag links, nuts	18
27	Steering system, C-dolly	4
28	Axle parts - cracked, loose, broken, missing	84
29	Spring assembly - cracked, loose, broken, missing	59
30	Air Suspension - leaking, loose, broken	32
31	Upper / lower rail - broken, cracked, buckled, twists, bends	4
32	Floor / cross members - broken, detached, sagging	12
33	Side panels - bay area damage	5
34	Bent, broken, cracked, loose	12
35	Fasteners, studs, nuts - missing, broken	16
37	Inoperative, missing, damaged	10
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	132
39	DANGEROUS GOODS	22
40	CARGO TANKS	5
42+	MISCELLANEOUS	454

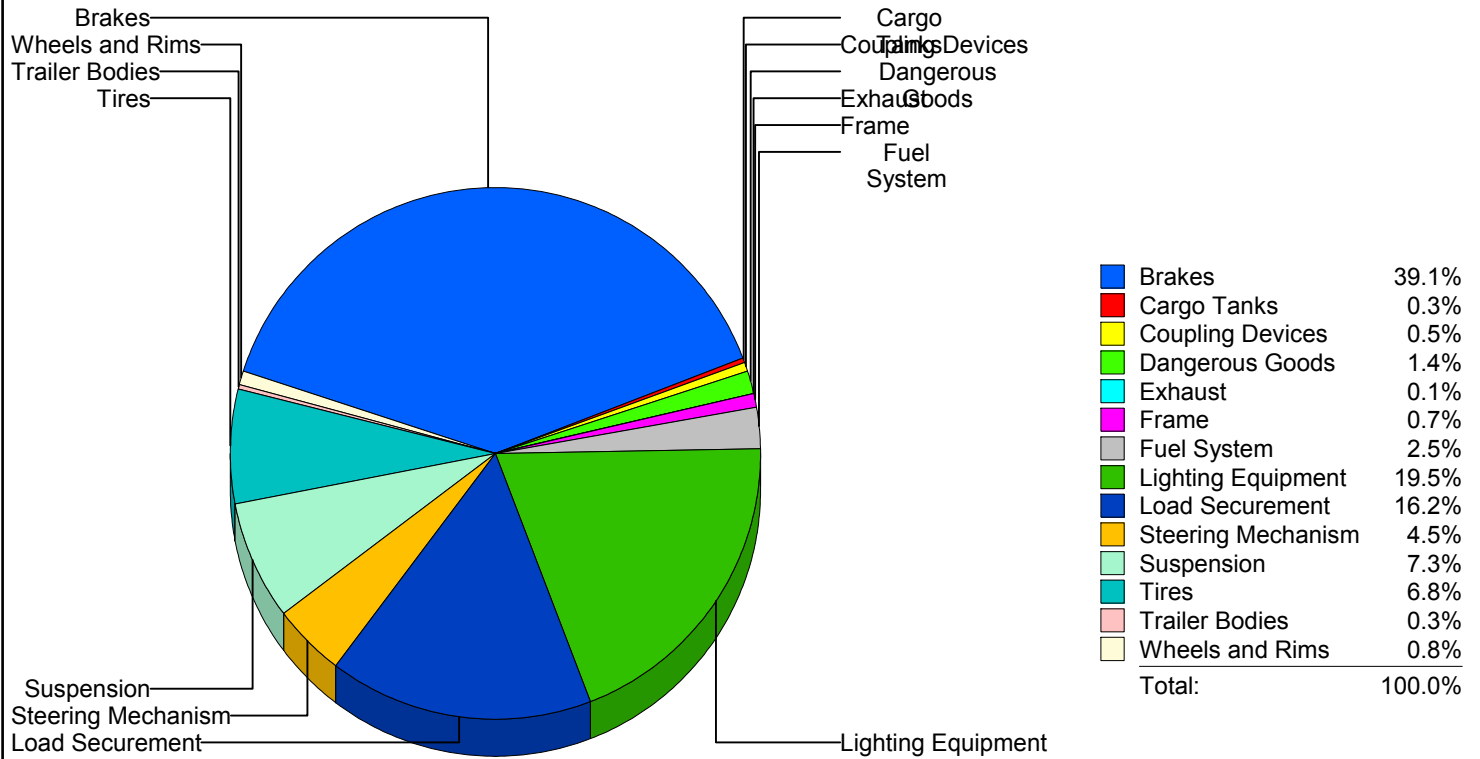
Total Defects: 2,536

Total Reports: 879

Defects / Reports: 2.89

2008 CVSA INSPECTIONS

Grouped by Defect Category
 Category: Out of Service
 Carrier Jurisdiction - Manitoba



Brakes	484
Cargo Tanks	4
Coupling Devices	6
Dangerous Goods	17
Exhaust	1
Frame	9
Fuel System	31
Lighting Equipment	241
Load Securement	200
Steering Mechanism	56
Suspension	90
Tires	84
Trailer Bodies	4
Wheels and Rims	10

Defect Category: Out of Service

Total Defects: 1,237
Total Reports: 879
Defects / Reports: 1.41

Number of Defects - CVSA Inspections '08

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	2
3	Fasteners, stops, mounting	1
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
5	Secondary attachment missing, worn, under size, length ineffective	1
6	Leak, location	1
7	Cross member-broken, sagging	9
8	Fuel system leak, cap missing	26
9	Unsecured tank	5
10	Headlamps, tail lights, signal, brake	239
11	Projecting load lamps, clearance	2
12	Spare tire, defective tie-downs	161
13	Dunnage, anchor points, fittings	39
14	Chambers, reservoir, compressor	37
15	Hose, lines, coupling, valves	119
16	Lining, drums, discs	17
17	T.P. valve, L.A. warning device	26
18	Audible air leak, push rod	153
19	Slack adjuster, cam shaft	19
20	Park brake, spring brake	101
21	Fluid leakage, low level, low pedal, warning light	9
22	Power assist, vac. reserve	3
23	teering wheel, column, gear box	12
24	Front axle beam, pitman arm	20
25	Power steering, ball / socket joints	12
26	Tie-rods, drag links, nuts	9
27	Steering system, C-dolly	3
28	Axle parts - cracked, loose, broken, missing	35
29	Spring assembly - cracked, loose, broken, missing	35
30	Air Suspension - leaking, loose, broken	20
31	Upper / lower rail - broken, cracked, buckled, twists, bends	2
32	Floor / cross members - broken, detached, sagging	2
34	Bent, broken, cracked, loose	7
35	Fasteners, studs, nuts - missing, broken	3
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	84
39	DANGEROUS GOODS	17
40	CARGO TANKS	4

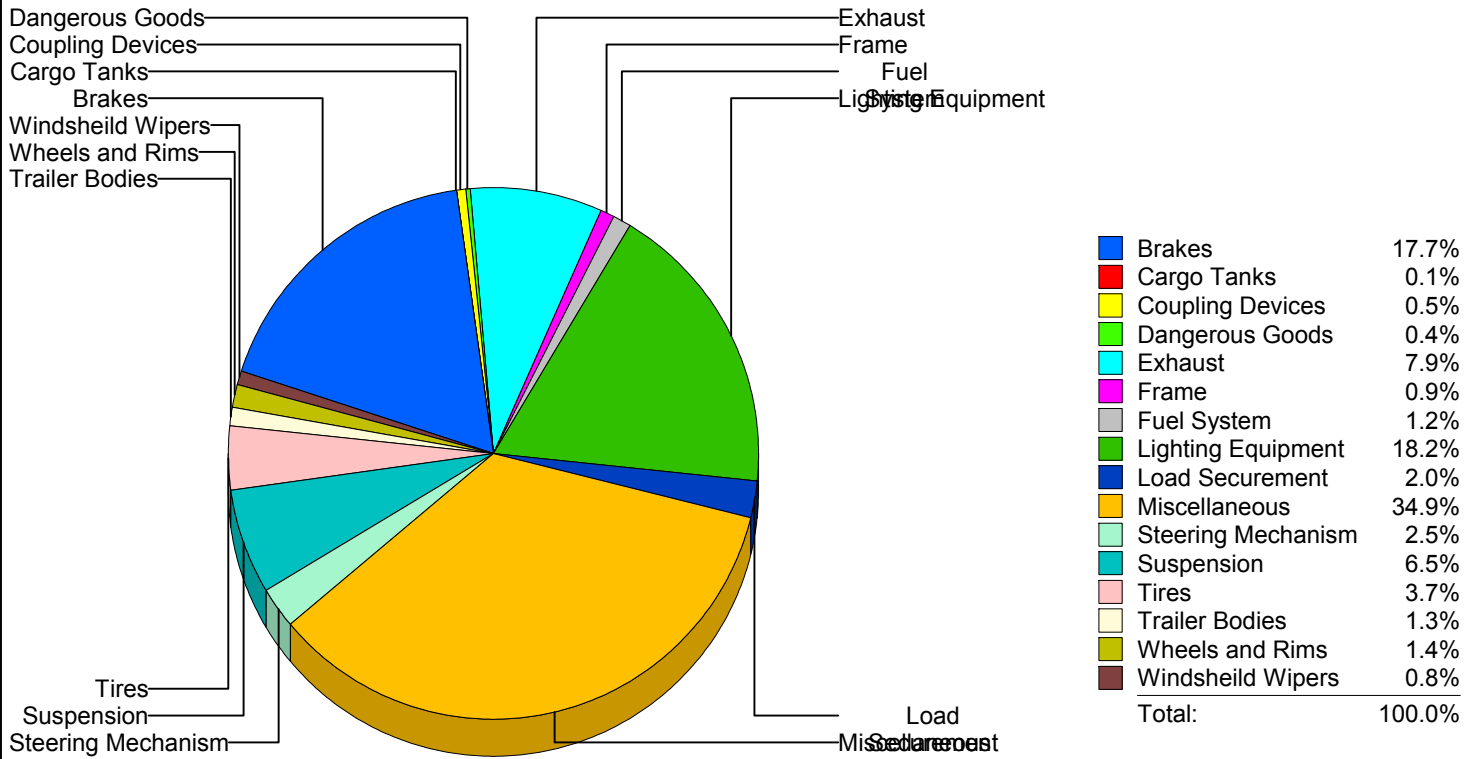
Total Defects: 1,237

Total Reports: 879

Defects / Reports: 1.41

2008 CVSA INSPECTIONS

Grouped by Defect Category
 Category: Out of Service
 Carrier Jurisdiction - Manitoba



Brakes	230
Cargo Tanks	1
Coupling Devices	6
Dangerous Goods	5
Exhaust	103
Frame	12
Fuel System	15
Lighting Equipment	236
Load Securement	26
Miscellaneous	454
Steering Mechanism	33
Suspension	85
Tires	48
Trailer Bodies	17
Wheels and Rims	18
Windsheild Wipers	10

Defect Category: Fail Conditional

Total Defects: 1,299
Total Reports: 879
Defects / Reports: 1.48

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Manitoba

Manitoba
Infrastructure and
Transportation



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	5
6	Leak, location	103
7	Cross member-broken, sagging	12
8	Fuel system leak, cap missing	9
9	Unsecured tank	6
10	Headlamps, tail lights, signal, brake	199
11	Projecting load lamps, clearance	37
12	Spare tire, defective tie-downs	14
13	Dunnage, anchor points, fittings	12
14	Chambers, reservoir, compressor	17
15	Hose, lines, coupling, valves	79
16	Lining, drums, discs	7
17	T.P. valve, L.A. warning device	1
18	Audible air leak, push rod	94
19	Slack adjuster, cam shaft	18
20	Park brake, spring brake	4
21	Fluid leakage, low level, low pedal, warning light	10
23	teering wheel, column, gear box	8
24	Front axle beam, pitman arm	4
25	Power steering, ball / socket joints	11
26	Tie-rods, drag links, nuts	9
27	Steering system, C-dolly	1
28	Axle parts - cracked, loose, broken, missing	49
29	Spring assembly - cracked, loose, broken, missing	24
30	Air Suspension - leaking, loose, broken	12
31	Upper / lower rail - broken, cracked, buckled, twists, bends	2
32	Floor / cross members - broken, detached, sagging	10
33	Side panels - bay area damage	5
34	Bent, broken, cracked, loose	5
35	Fasteners, studs, nuts - missing, broken	13
37	Inoperative, missing, damaged	10
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	48
39	DANGEROUS GOODS	5
40	CARGO TANKS	1
42+	MISCELLANEOUS	454

Total Defects: 1,299

Total Reports: 879

Defects / Reports: 1.48

*This page is intended to be blank
for the purpose of duplex printing*

2008 CVSA INSPECTIONS
 Inspection Results For Out of Province Carriers

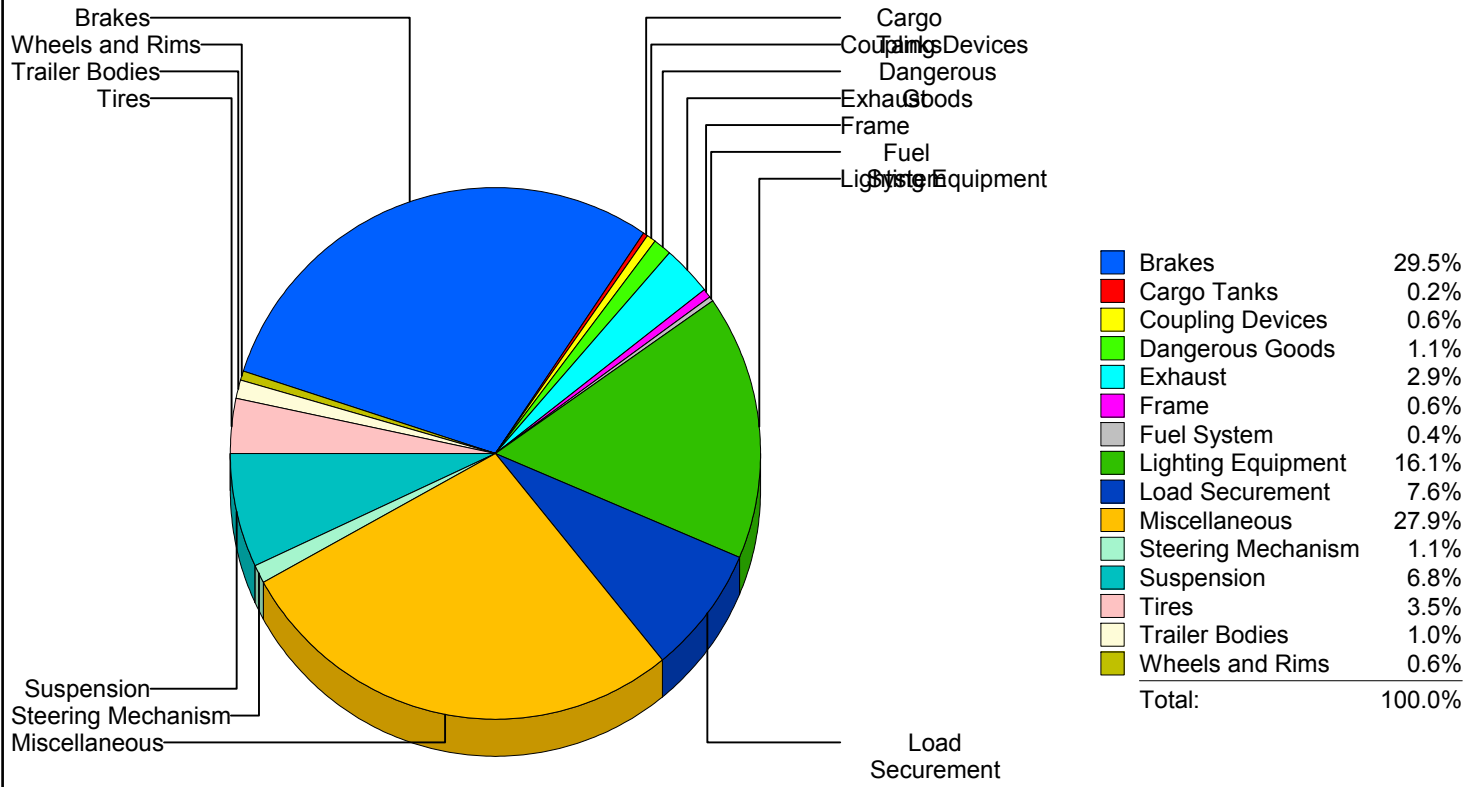
Category	Inspection Result			Total
	Pass	Fail	Out of Service	
Reports	1,561	403	327	2,291
Percentage of Reports	68.14	17.59	14.27	100%
Defects	105	340	723	1,168
Defects per Report	0.07	0.84	2.21	0.51

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: All

Carrier Jurisdiction - Out of Province



Brakes	345
Cargo Tanks	2
Coupling Devices	7
Dangerous Goods	13
Exhaust	34
Frame	7
Fuel System	5
Lighting Equipment	188
Load Securement	89
Miscellaneous	326
Steering Mechanism	13
Suspension	79
Tires	41
Trailer Bodies	12
Wheels and Rims	7

Defect Category: Both
 Total Defects: 1,168
 Total Reports: 2,291
 Defects / Reports: 0.51

Number of Defects - CVSA Inspections '08

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	2
2	Horizontal movement, kingpin wear, lock mechanism loose	4
3	Fasteners, stops, mounting	1
6	Leak, location	34
7	Cross member-broken, sagging	7
8	Fuel system leak, cap missing	5
10	Headlamps, tail lights, signal, brake	177
11	Projecting load lamps, clearance	11
12	Spare tire, defective tie-downs	51
13	Dunnage, anchor points, fittings	38
14	Chambers, reservoir, compressor	27
15	Hose, lines, coupling, valves	134
16	Lining, drums, discs	18
17	T.P. valve, L.A. warning device	6
18	Audible air leak, push rod	126
19	Slack adjuster, cam shaft	15
20	Park brake, spring brake	16
21	Fluid leakage, low level, low pedal, warning light	2
22	Power assist, vac. reserve	1
23	teering wheel, column, gear box	5
24	Front axle beam, pitman arm	2
25	Power steering, ball / socket joints	4
26	Tie-rods, drag links, nuts	2
28	Axle parts - cracked, loose, broken, missing	43
29	Spring assembly - cracked, loose, broken, missing	13
30	Air Suspension - leaking, loose, broken	23
31	Upper / lower rail - broken, cracked, buckled, twists, bends	2
32	Floor / cross members - broken, detached, sagging	6
33	Side panels - bay area damage	4
34	Bent, broken, cracked, loose	3
35	Fasteners, studs, nuts - missing, broken	4
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	41
39	DANGEROUS GOODS	13
40	CARGO TANKS	2
42+	MISCELLANEOUS	326

Total Defects: 1,168

Total Reports: 2,291

Defects / Reports: 0.51

*This page is intended to be blank
for the purpose of duplex printing*

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Out of Province

Category: Pass

Defect Category: N/A

Manitoba
Infrastructure and
Transportation



Defect Code	Defect Description	Count
42+	MISCELLANEOUS	105

Total Defects: 105

Total Reports: 1,561

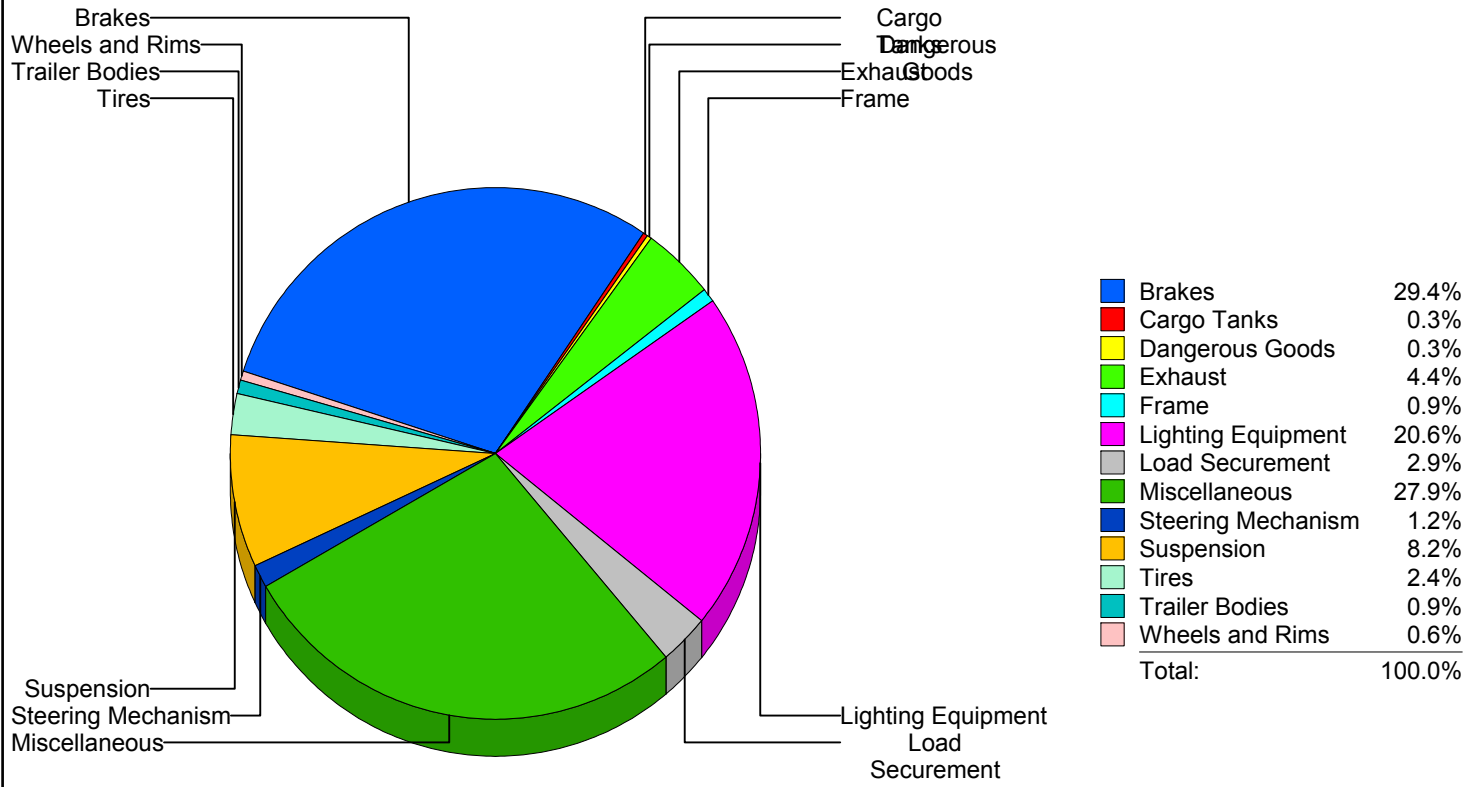
Defects / Reports: 0.07

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Fail Conditional

Carrier Jurisdiction - Out of Province



Brakes	100
Cargo Tanks	1
Dangerous Goods	1
Exhaust	15
Frame	3
Lighting Equipment	70
Load Securement	10
Miscellaneous	95
Steering Mechanism	4
Suspension	28
Tires	8
Trailer Bodies	3
Wheels and Rims	2

Defect Category: Fail Conditional

Total Defects: 340

Total Reports: 403

Defects / Reports: 0.84

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Out of Province

Manitoba
Infrastructure and
Transportation



Category: Fail Conditional

Defect Category: Fail Conditional

Defect Code	Defect Description	Count
6	Leak, location	15
7	Cross member-broken, sagging	3
10	Headlamps, tail lights, signal, brake	67
11	Projecting load lamps, clearance	3
12	Spare tire, defective tie-downs	8
13	Dunnage, anchor points, fittings	2
14	Chambers, reservoir, compressor	7
15	Hose, lines, coupling, valves	40
16	Lining, drums, discs	4
18	Audible air leak, push rod	44
19	Slack adjuster, cam shaft	4
20	Park brake, spring brake	1
23	teering 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	19
29	Spring assembly - cracked, loose, broken, missing	2
30	Air Suspension - leaking, loose, broken	7
31	Upper / lower rail - broken, cracked, buckled, twists, bends	1
32	Floor / cross members - broken, detached, sagging	1
33	Side panels - bay area damage	1
34	Bent, broken, cracked, loose	1
35	Fasteners, studs, nuts - missing, broken	1
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	8
39	DANGEROUS GOODS	1
40	CARGO TANKS	1
42+	MISCELLANEOUS	95

Total Defects: 340

Total Reports: 403

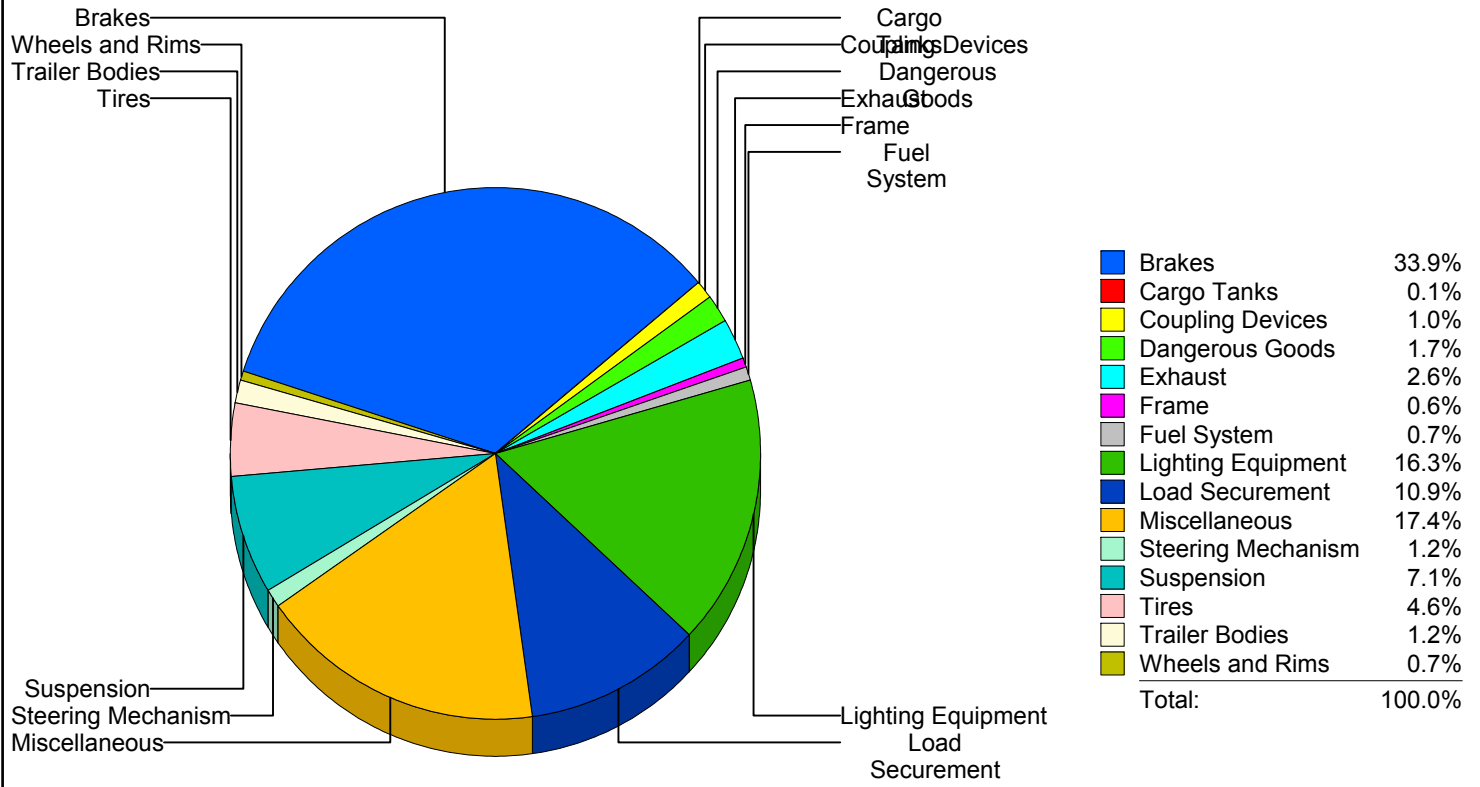
Defects / Reports: 0.84

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

Carrier Jurisdiction - Out of Province



Brakes	245
Cargo Tanks	1
Coupling Devices	7
Dangerous Goods	12
Exhaust	19
Frame	4
Fuel System	5
Lighting Equipment	118
Load Securement	79
Miscellaneous	126
Steering Mechanism	9
Suspension	51
Tires	33
Trailer Bodies	9
Wheels and Rims	5

Defect Category: Both

Total Defects: 723

Total Reports: 327

Defects / Reports: 2.21

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Out of Province

Category: Out of Service

Defect Category: Both

Manitoba
Infrastructure and
Transportation



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	1
6	Leak, location	19
7	Cross member-broken, sagging	4
8	Fuel system leak, cap missing	5
10	Headlamps, tail lights, signal, brake	110
11	Projecting load lamps, clearance	8
12	Spare tire, defective tie-downs	43
13	Dunnage, anchor points, fittings	36
14	Chambers, reservoir, compressor	20
15	Hose, lines, coupling, valves	94
16	Lining, drums, discs	14
17	T.P. valve, L.A. warning device	6
18	Audible air leak, push rod	82
19	Slack adjuster, cam shaft	11
20	Park brake, spring brake	15
21	Fluid leakage, low level, low pedal, warning light	2
22	Power assist, vac. reserve	1
23	teering wheel, column, gear box	4
24	Front axle beam, pitman arm	1
25	Power steering, ball / socket joints	3
26	Tie-rods, drag links, nuts	1
28	Axle parts - cracked, loose, broken, missing	24
29	Spring assembly - cracked, loose, broken, missing	11
30	Air Suspension - leaking, loose, broken	16
31	Upper / lower rail - broken, cracked, buckled, twists, bends	1
32	Floor / cross members - broken, detached, sagging	5
33	Side panels - bay area damage	3
34	Bent, broken, cracked, loose	2
35	Fasteners, studs, nuts - missing, broken	3
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	33
39	DANGEROUS GOODS	12
40	CARGO TANKS	1
42+	MISCELLANEOUS	126

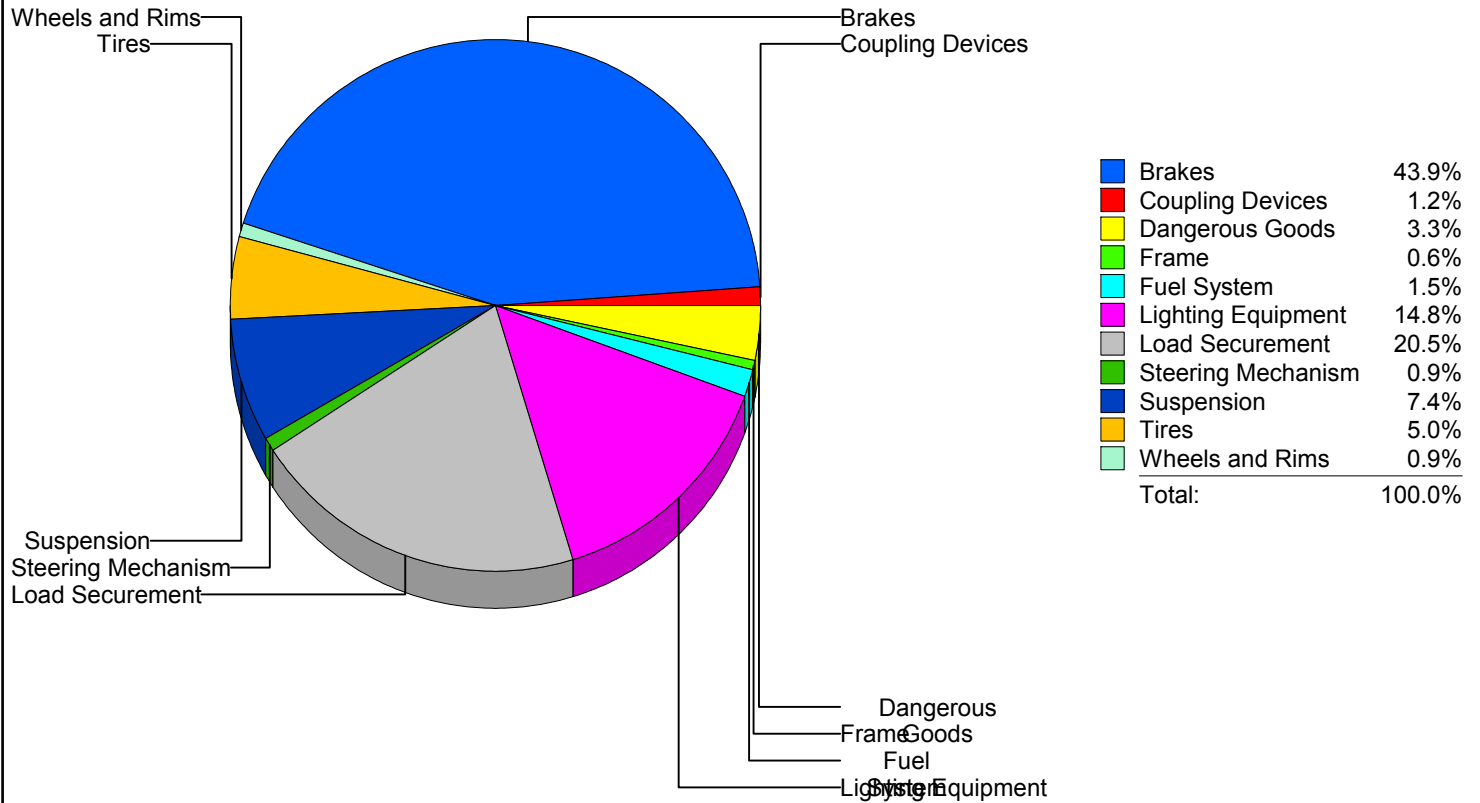
Total Defects: 723

Total Reports: 327

Defects / Reports: 2.21

2008 CVSA INSPECTIONS

Grouped by Defect Category
 Category: Out of Service
 Carrier Jurisdiction - Out of Province



Brakes	148
Coupling Devices	4
Dangerous Goods	11
Frame	2
Fuel System	5
Lighting Equipment	50
Load Securement	69
Steering Mechanism	3
Suspension	25
Tires	17
Wheels and Rims	3

Defect Category: Out of Service

Total Defects: 337
Total Reports: 327
Defects / Reports: 1.03

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Out of Province

Category: Out of Service

Defect Category: Out of Service

Manitoba
Infrastructure and
Transportation



Defect Code	Defect Description	Count
1	Fifth wheel assembly - upper / lower cracks	2
2	Horizontal movement, kingpin wear, lock mechanism loose	1
3	Fasteners, stops, mounting	1
7	Cross member-broken, sagging	2
8	Fuel system leak, cap missing	5
10	Headlamps, tail lights, signal, brake	49
11	Projecting load lamps, clearance	1
12	Spare tire, defective tie-downs	39
13	Dunnage, anchor points, fittings	30
14	Chambers, reservoir, compressor	12
15	Hose, lines, coupling, valves	68
16	Lining, drums, discs	7
17	T.P. valve, L.A. warning device	6
18	Audible air leak, push rod	34
19	Slack adjuster, cam shaft	7
20	Park brake, spring brake	13
22	Power assist, vac. reserve	1
23	teering wheel, column, gear box	1
24	Front axle beam, pitman arm	1
25	Power steering, ball / socket joints	1
28	Axle parts - cracked, loose, broken, missing	9
29	Spring assembly - cracked, loose, broken, missing	5
30	Air Suspension - leaking, loose, broken	11
34	Bent, broken, cracked, loose	1
35	Fasteners, studs, nuts - missing, broken	2
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	17
39	DANGEROUS GOODS	11

Total Defects: 337

Total Reports: 327

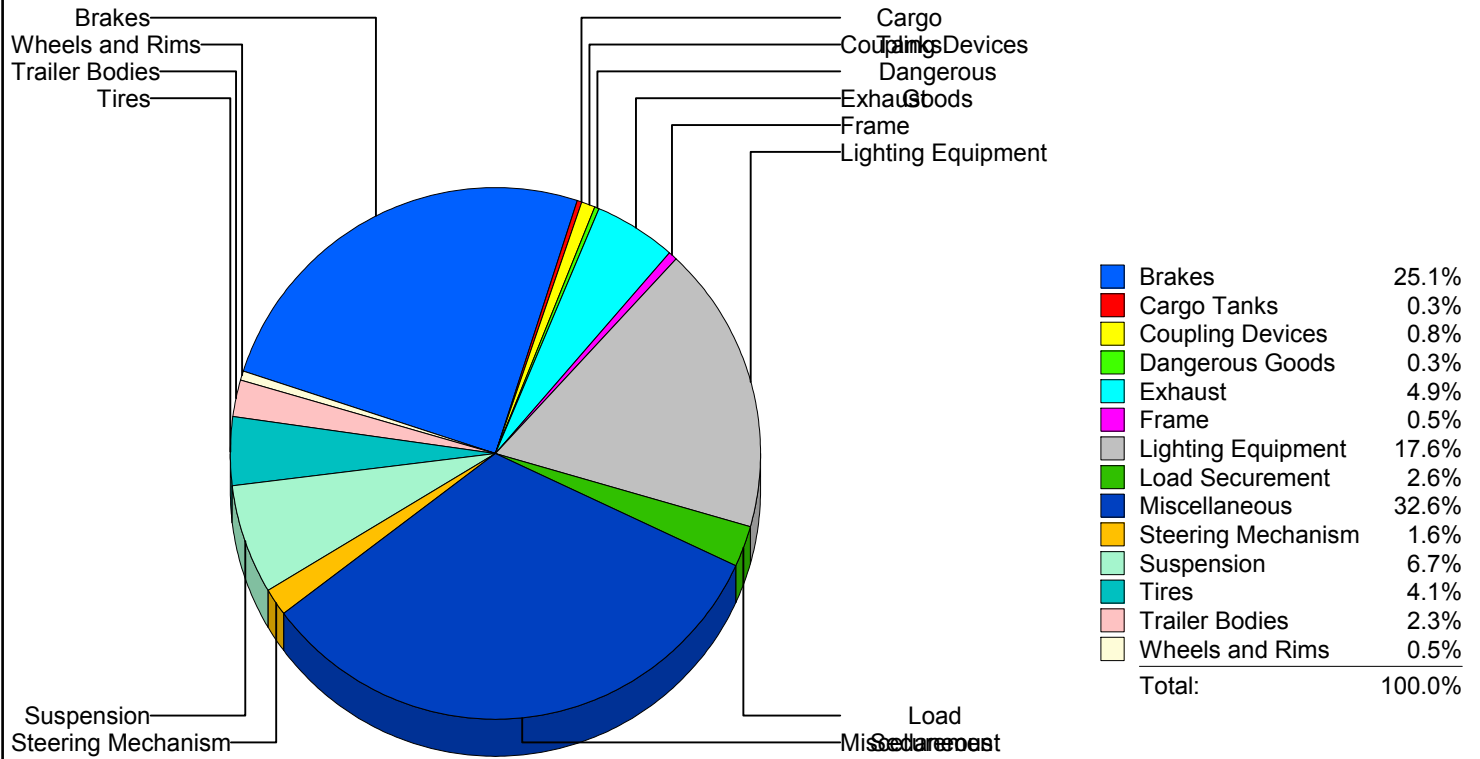
Defects / Reports: 1.03

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

Carrier Jurisdiction - Out of Province



Brakes	97
Cargo Tanks	1
Coupling Devices	3
Dangerous Goods	1
Exhaust	19
Frame	2
Lighting Equipment	68
Load Securement	10
Miscellaneous	126
Steering Mechanism	6
Suspension	26
Tires	16
Trailer Bodies	9
Wheels and Rims	2

Defect Category: Fail Conditional

Total Defects: 386
Total Reports: 327
Defects / Reports: 1.18

Number of Defects - CVSA Inspections '08

Carrier Jurisdiction - Out of Province

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	3
6	Leak, location	19
7	Cross member-broken, sagging	2
10	Headlamps, tail lights, signal, brake	61
11	Projecting load lamps, clearance	7
12	Spare tire, defective tie-downs	4
13	Dunnage, anchor points, fittings	6
14	Chambers, reservoir, compressor	8
15	Hose, lines, coupling, valves	26
16	Lining, drums, discs	7
18	Audible air leak, push rod	48
19	Slack adjuster, cam shaft	4
20	Park brake, spring brake	2
21	Fluid leakage, low level, low pedal, warning light	2
23	teering wheel, column, gear box	3
25	Power steering, ball / socket joints	2
26	Tie-rods, drag links, nuts	1
28	Axle parts - cracked, loose, broken, missing	15
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	5
33	Side panels - bay area damage	3
34	Bent, broken, cracked, loose	1
35	Fasteners, studs, nuts - missing, broken	1
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	16
39	DANGEROUS GOODS	1
40	CARGO TANKS	1
42+	MISCELLANEOUS	126

Total Defects: 386

Total Reports: 327

Defects / Reports: 1.18

*This page is intended to be blank
for the purpose of duplex printing*

ALL
Inspection Results By Registration Class
 Jan 01, 2008 to Dec 31, 2008

Truck Type	Inspection Result			Total	Percentage (%)
	Pass	Fail	Out of Service		
A5 Straight	308	190	279	777	21.33%
A6 Farm	88	52	75	215	5.90%
C1 Commercial	654	246	273	1,173	32.21%
P4 Public Service	902	262	192	1,356	37.23%
Light Duty	46	15	60	121	3.32%
Total	1,998	765	879	3,642	100.00%
Percentage (%)	55%	21%	24%	100%	

Percentages				
Truck Type	Inspection Result			Total
	Pass	Fail	Out of Service	
A5 Straight	39.64%	24.45%	35.91%	100%
A6 Farm	40.93%	24.19%	34.88%	100%
C1 Commercial	55.75%	20.97%	23.27%	100%
P4 Public Service	66.52%	19.32%	14.16%	100%
Light Duty	38.02%	12.40%	49.59%	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: Is either a truck or a trailer. These vehicle 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.

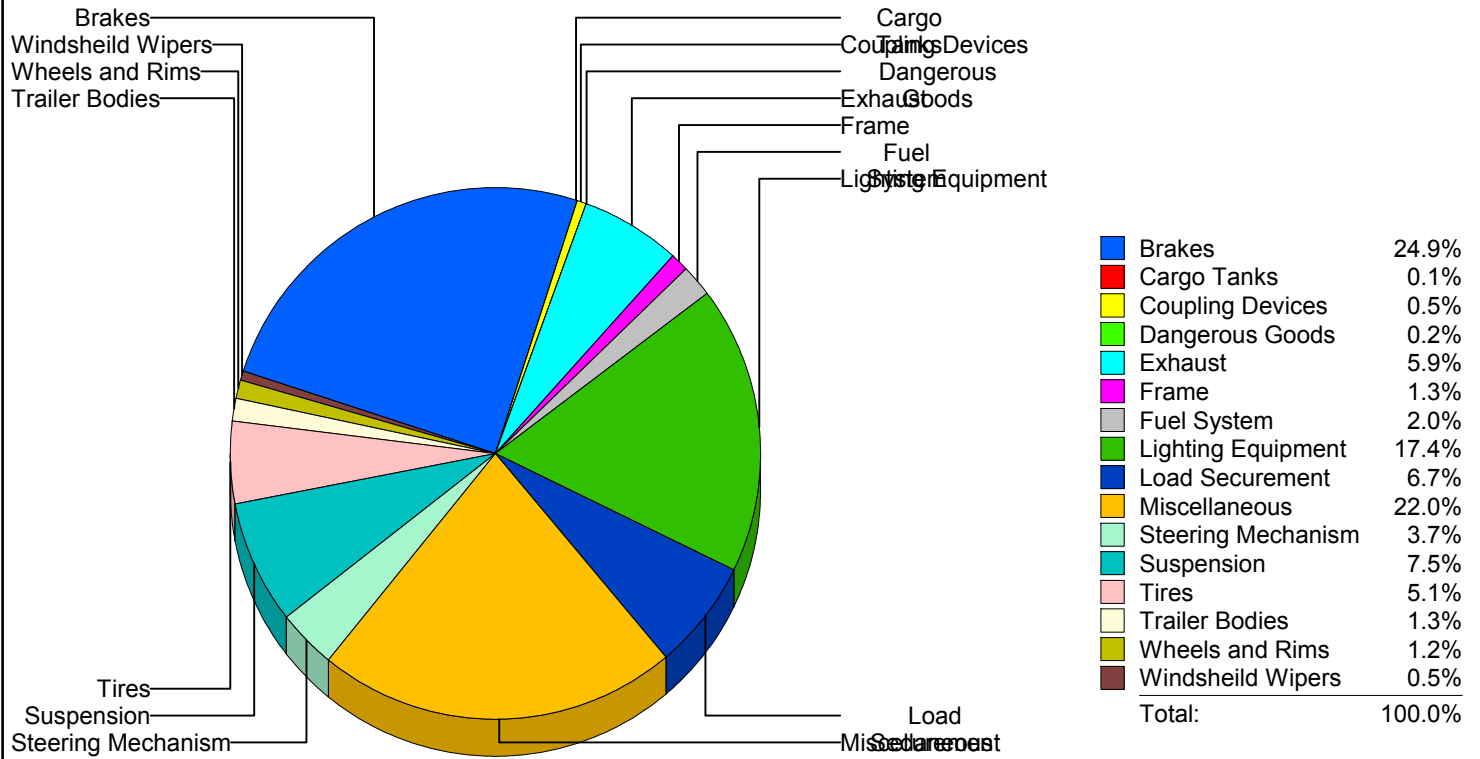
Light Duty: Any vehicle that has a Registered Gross Vehicle Weight less than 4500Kgs.

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: All

A5 - Straight Truck - Manitoba Registration Only



Brakes	370
Cargo Tanks	1
Coupling Devices	8
Dangerous Goods	3
Exhaust	87
Frame	19
Fuel System	29
Lighting Equipment	258
Load Securement	99
Miscellaneous	327
Steering Mechanism	55
Suspension	111
Tires	76
Trailer Bodies	19
Wheels and Rims	18
Windsheild Wipers	7

Defect Category: Both
Total Defects: 1,487
Total Reports: 777
Defects / Reports: 1.91

Number of Defects - CVSA Inspections '08

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	2
2	Horizontal movement, kingpin wear, lock mechanism loose	4
3	Fasteners, stops, mounting	1
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
6	Leak, location	87
7	Cross member-broken, sagging	19
8	Fuel system leak, cap missing	20
9	Unsecured tank	9
10	Headlamps, tail lights, signal, brake	228
11	Projecting load lamps, clearance	30
12	Spare tire, defective tie-downs	76
13	Dunnage, anchor points, fittings	23
14	Chambers, reservoir, compressor	31
15	Hose, lines, coupling, valves	97
16	Lining, drums, discs	15
17	T.P. valve, L.A. warning device	15
18	Audible air leak, push rod	136
19	Slack adjuster, cam shaft	30
20	Park brake, spring brake	33
21	Fluid leakage, low level, low pedal, warning light	11
22	Power assist, vac. reserve	2
23	teering wheel, column, gear box	13
24	Front axle beam, pitman arm	11
25	Power steering, ball / socket joints	14
26	Tie-rods, drag links, nuts	12
27	Steering system, C-dolly	5
28	Axle parts - cracked, loose, broken, missing	45
29	Spring assembly - cracked, loose, broken, missing	49
30	Air Suspension - leaking, loose, broken	17
31	Upper / lower rail - broken, cracked, buckled, twists, bends	5
32	Floor / cross members - broken, detached, sagging	9
33	Side panels - bay area damage	5
34	Bent, broken, cracked, loose	8
35	Fasteners, studs, nuts - missing, broken	10
37	Inoperative, missing, damaged	7
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	76
39	DANGEROUS GOODS	3
40	CARGO TANKS	1
42+	MISCELLANEOUS	327

Total Defects: 1,487

Total Reports: 777

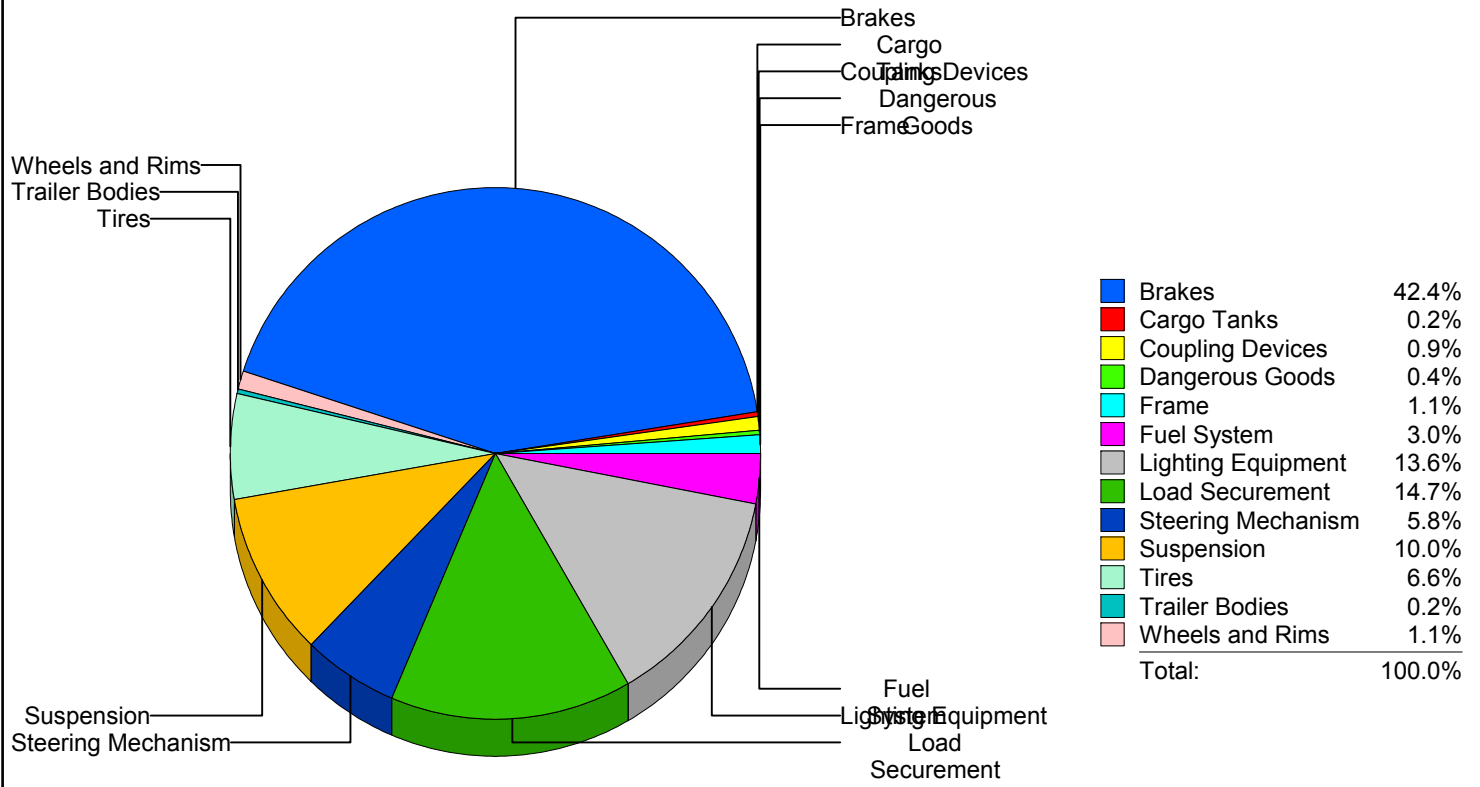
Defects / Reports: 1.91

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

A5 - Straight Truck - Manitoba Registration Only



Brakes	199
Cargo Tanks	1
Coupling Devices	4
Dangerous Goods	2
Frame	5
Fuel System	14
Lighting Equipment	64
Load Securement	69
Steering Mechanism	27
Suspension	47
Tires	31
Trailer Bodies	1
Wheels and Rims	5

Defect Category: Out of Service

Total Defects: 469
Total Reports: 279
Defects / Reports: 1.68

Number of Defects - CVSA Inspections '08

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	1
3	Fasteners, stops, mounting	1
4	Primary attachment, cracked, loose, worn, no safety lock, bolts missing	1
7	Cross member-broken, sagging	5
8	Fuel system leak, cap missing	11
9	Unsecured tank	3
10	Headlamps, tail lights, signal, brake	64
12	Spare tire, defective tie-downs	56
13	Dunnage, anchor points, fittings	13
14	Chambers, reservoir, compressor	21
15	Hose, lines, coupling, valves	47
16	Lining, drums, discs	9
17	T.P. valve, L.A. warning device	14
18	Audible air leak, push rod	61
19	Slack adjuster, cam shaft	10
20	Park brake, spring brake	29
21	Fluid leakage, low level, low pedal, warning light	7
22	Power assist, vac. reserve	1
23	teering wheel, column, gear box	5
24	Front axle beam, pitman arm	10
25	Power steering, ball / socket joints	5
26	Tie-rods, drag links, nuts	5
27	Steering system, C-dolly	2
28	Axle parts - cracked, loose, broken, missing	16
29	Spring assembly - cracked, loose, broken, missing	22
30	Air Suspension - leaking, loose, broken	9
31	Upper / lower rail - broken, cracked, buckled, twists, bends	1
34	Bent, broken, cracked, loose	4
35	Fasteners, studs, nuts - missing, broken	1
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	31
39	DANGEROUS GOODS	2
40	CARGO TANKS	1

Total Defects: 469

Total Reports: 279

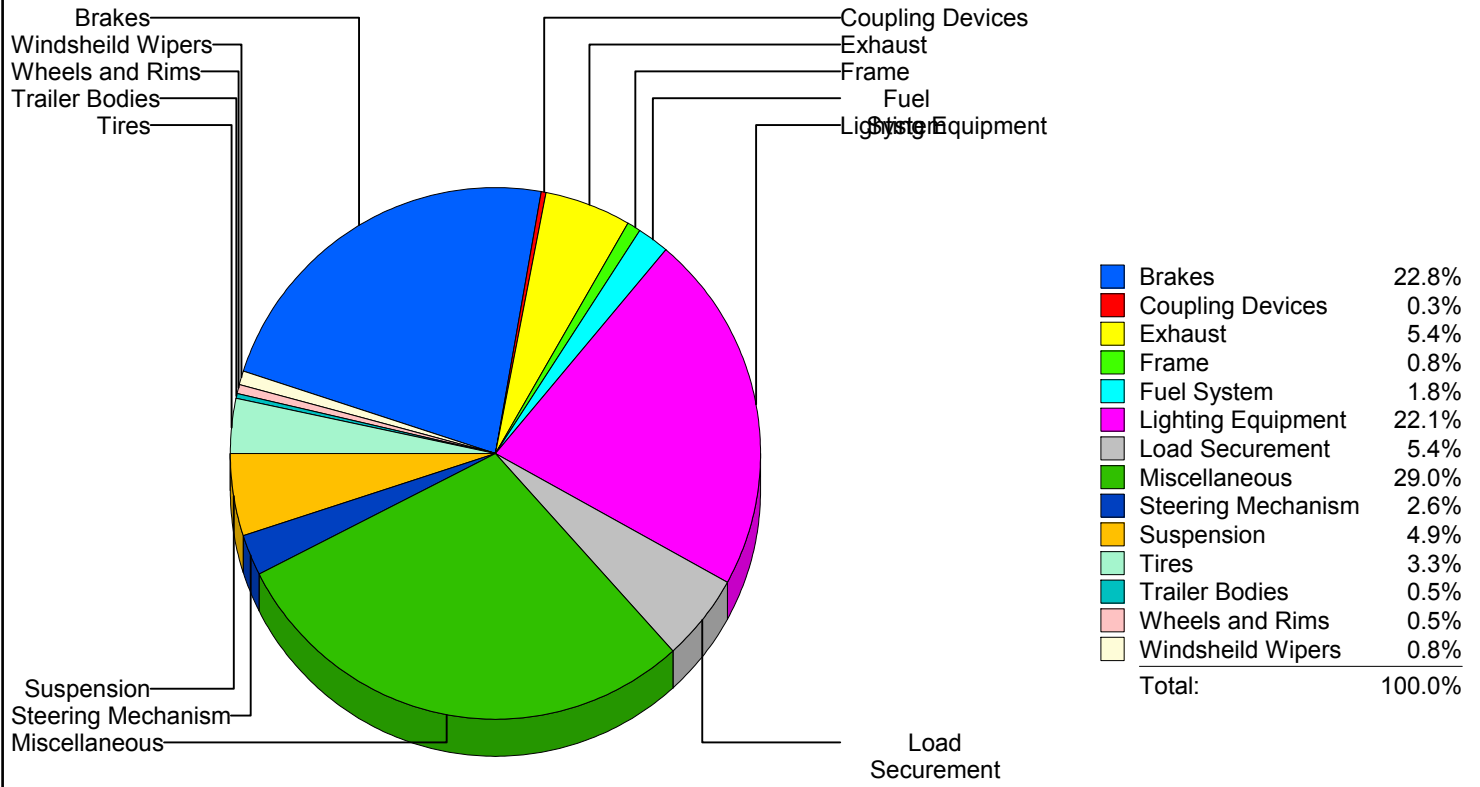
Defects / Reports: 1.68

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: All

A6 - Farm Truck - Manitoba Registration Only



Brakes	89
Coupling Devices	1
Exhaust	21
Frame	3
Fuel System	7
Lighting Equipment	86
Load Securement	21
Miscellaneous	113
Steering Mechanism	10
Suspension	19
Tires	13
Trailer Bodies	2
Wheels and Rims	2
Windsheild Wipers	3

Defect Category: Both

Total Defects: 390

Total Reports: 215

Defects / Reports: 1.81

Number of Defects - CVSA Inspections '08

A6 - Farm Truck - Manitoba Registration Only

Manitoba
Infrastructure and
Transportation



Category: All

Defect Category: Both

Defect Code	Defect Description	Count
5	Secondary attachment missing, worn, under size, length ineffective	1
6	Leak, location	21
7	Cross member-broken, sagging	3
8	Fuel system leak, cap missing	4
9	Unsecured tank	3
10	Headlamps, tail lights, signal, brake	79
11	Projecting load lamps, clearance	7
12	Spare tire, defective tie-downs	17
13	Dunnage, anchor points, fittings	4
14	Chambers, reservoir, compressor	2
15	Hose, lines, coupling, valves	26
16	Lining, drums, discs	2
17	T.P. valve, L.A. warning device	2
18	Audible air leak, push rod	40
19	Slack adjuster, cam shaft	3
20	Park brake, spring brake	13
21	Fluid leakage, low level, low pedal, warning light	1
23	teering wheel, column, gear box	3
24	Front axle beam, pitman arm	1
25	Power steering, ball / socket joints	3
26	Tie-rods, drag links, nuts	3
28	Axle parts - cracked, loose, broken, missing	10
29	Spring assembly - cracked, loose, broken, missing	5
30	Air Suspension - leaking, loose, broken	4
31	Upper / lower rail - broken, cracked, buckled, twists, bends	1
32	Floor / cross members - broken, detached, sagging	1
34	Bent, broken, cracked, loose	1
35	Fasteners, studs, nuts - missing, broken	1
37	Inoperative, missing, damaged	3
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	13
42+	MISCELLANEOUS	113

Total Defects: 390

Total Reports: 215

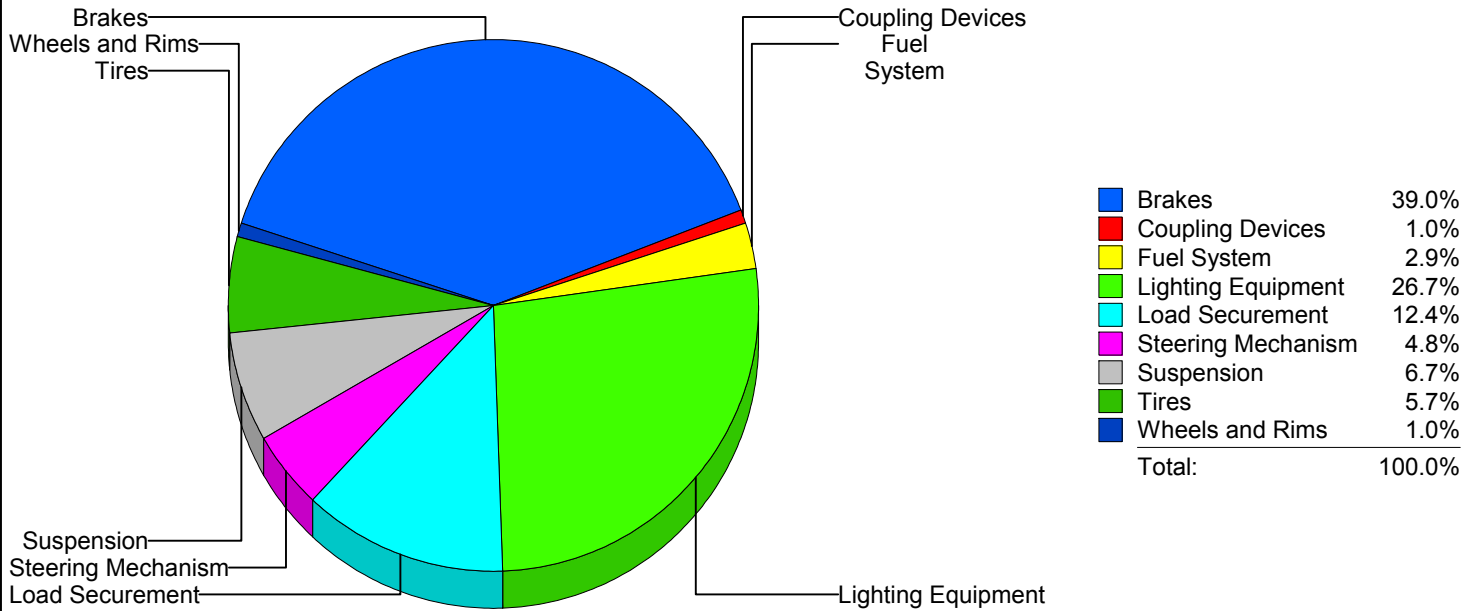
Defects / Reports: 1.81

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

A6 - Farm Truck - Manitoba Registration Only



Brakes	41
Coupling Devices	1
Fuel System	3
Lighting Equipment	28
Load Securement	13
Steering Mechanism	5
Suspension	7
Tires	6
Wheels and Rims	1

Defect Category: Out of Service

Total Defects: 105

Total Reports: 75

Defects / Reports: 1.40

Number of Defects - CVSA Inspections '08

A6 - Farm Truck - Manitoba Registration Only

Manitoba
Infrastructure and
Transportation



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
5	Secondary attachment missing, worn, under size, length ineffective	1
8	Fuel system leak, cap missing	3
10	Headlamps, tail lights, signal, brake	28
12	Spare tire, defective tie-downs	12
13	Dunnage, anchor points, fittings	1
14	Chambers, reservoir, compressor	1
15	Hose, lines, coupling, valves	8
16	Lining, drums, discs	1
17	T.P. valve, L.A. warning device	2
18	Audible air leak, push rod	18
19	Slack adjuster, cam shaft	2
20	Park brake, spring brake	9
23	teering wheel, column, gear box	2
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	3
30	Air Suspension - leaking, loose, broken	2
34	Bent, broken, cracked, loose	1
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	6

Total Defects: 105

Total Reports: 75

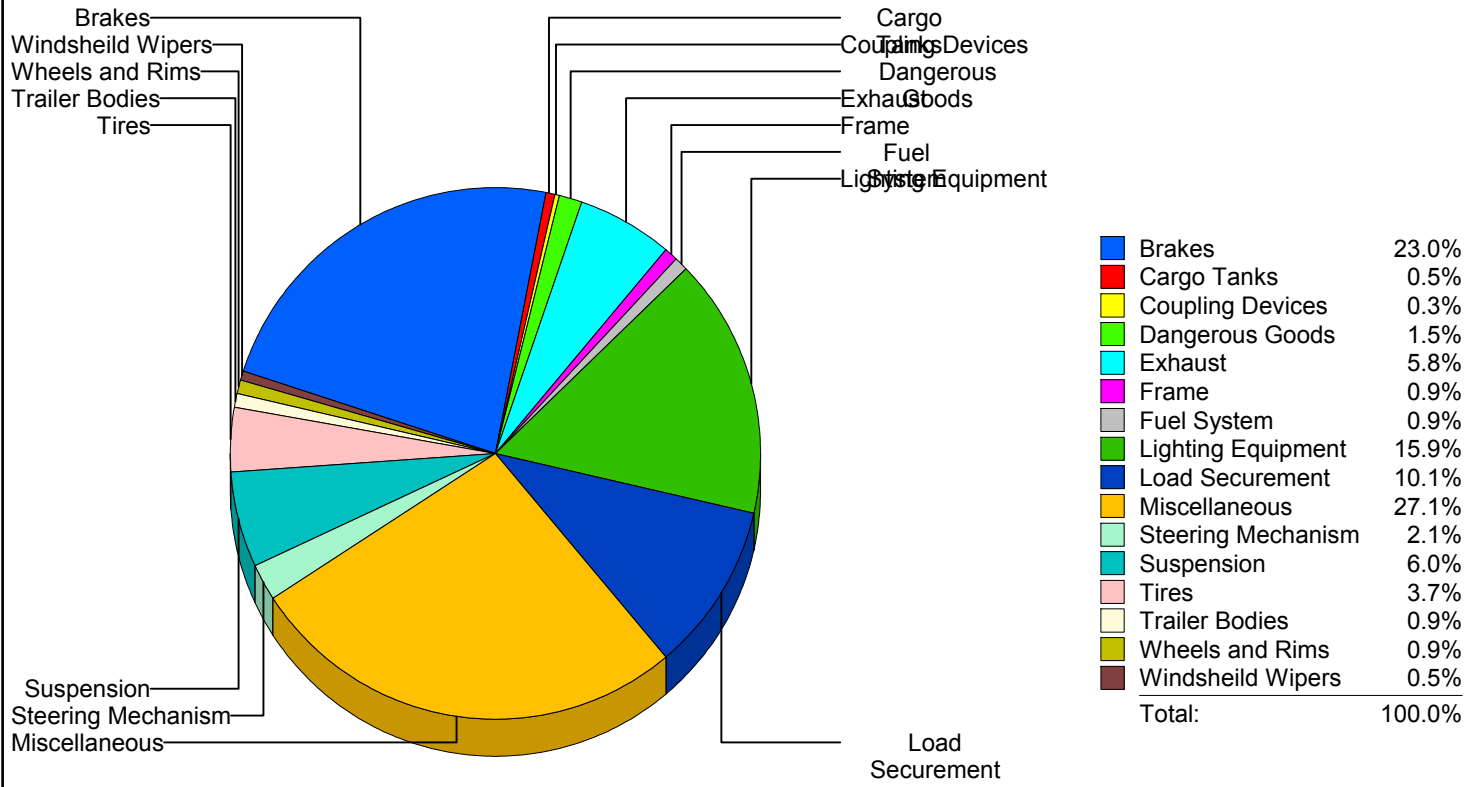
Defects / Reports: 1.40

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: All

C1 - Commercial Truck - Manitoba Registration Only



Brakes	269
Cargo Tanks	6
Coupling Devices	4
Dangerous Goods	17
Exhaust	68
Frame	10
Fuel System	10
Lighting Equipment	186
Load Securement	118
Miscellaneous	317
Steering Mechanism	25
Suspension	70
Tires	43
Trailer Bodies	10
Wheels and Rims	11
Windsheild Wipers	6

Defect Category: Both
Total Defects: 1,170
Total Reports: 1,173
Defects / Reports: 1.00

Number of Defects - CVSA Inspections '08

C1 - Commercial Truck - Manitoba Registration Only

Manitoba
Infrastructure and
Transportation



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	68
7	Cross member-broken, sagging	10
8	Fuel system leak, cap missing	7
9	Unsecured tank	3
10	Headlamps, tail lights, signal, brake	170
11	Projecting load lamps, clearance	16
12	Spare tire, defective tie-downs	84
13	Dunnage, anchor points, fittings	34
14	Chambers, reservoir, compressor	17
15	Hose, lines, coupling, valves	69
16	Lining, drums, discs	4
17	T.P. valve, L.A. warning device	6
18	Audible air leak, push rod	98
19	Slack adjuster, cam shaft	14
20	Park brake, spring brake	51
21	Fluid leakage, low level, low pedal, warning light	8
22	Power assist, vac. reserve	2
23	teering wheel, column, gear box	4
24	Front axle beam, pitman arm	8
25	Power steering, ball / socket joints	9
26	Tie-rods, drag links, nuts	3
27	Steering system, C-dolly	1
28	Axle parts - cracked, loose, broken, missing	39
29	Spring assembly - cracked, loose, broken, missing	28
30	Air Suspension - leaking, loose, broken	3
31	Upper / lower rail - broken, cracked, buckled, twists, bends	3
32	Floor / cross members - broken, detached, sagging	4
33	Side panels - bay area damage	3
34	Bent, broken, cracked, loose	2
35	Fasteners, studs, nuts - missing, broken	9
37	Inoperative, missing, damaged	6
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	43
39	DANGEROUS GOODS	17
40	CARGO TANKS	6
42+	MISCELLANEOUS	317

Total Defects: 1,170

Total Reports: 1,173

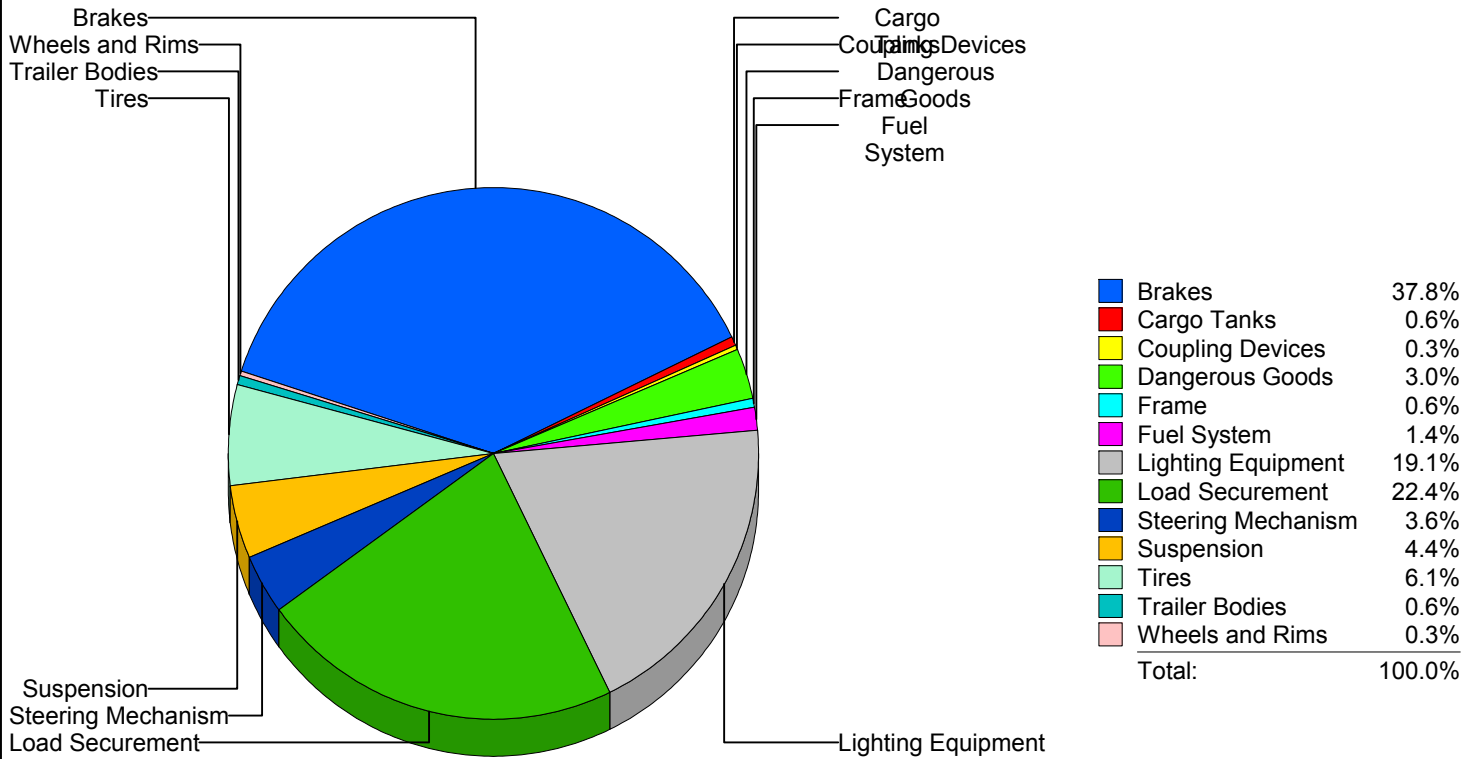
Defects / Reports: 1.00

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

C1 - Commercial Truck - Manitoba Registration Only



Brakes	137
Cargo Tanks	2
Coupling Devices	1
Dangerous Goods	11
Frame	2
Fuel System	5
Lighting Equipment	69
Load Securement	81
Steering Mechanism	13
Suspension	16
Tires	22
Trailer Bodies	2
Wheels and Rims	1

Defect Category: Out of Service

Total Defects: 362
Total Reports: 273
Defects / Reports: 1.33

Number of Defects - CVSA Inspections '08

C1 - Commercial 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
7	Cross member-broken, sagging	2
8	Fuel system leak, cap missing	3
9	Unsecured tank	2
10	Headlamps, tail lights, signal, brake	68
11	Projecting load lamps, clearance	1
12	Spare tire, defective tie-downs	65
13	Dunnage, anchor points, fittings	16
14	Chambers, reservoir, compressor	6
15	Hose, lines, coupling, valves	35
16	Lining, drums, discs	4
17	T.P. valve, L.A. warning device	6
18	Audible air leak, push rod	37
19	Slack adjuster, cam shaft	4
20	Park brake, spring brake	41
21	Fluid leakage, low level, low pedal, warning light	2
22	Power assist, vac. reserve	2
23	teering wheel, column, gear box	2
24	Front axle beam, pitman arm	5
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	7
29	Spring assembly - cracked, loose, broken, missing	8
30	Air Suspension - leaking, loose, broken	1
31	Upper / lower rail - broken, cracked, buckled, twists, bends	1
32	Floor / cross members - broken, detached, sagging	1
34	Bent, broken, cracked, loose	1
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	22
39	DANGEROUS GOODS	11
40	CARGO TANKS	2

Total Defects: 362

Total Reports: 273

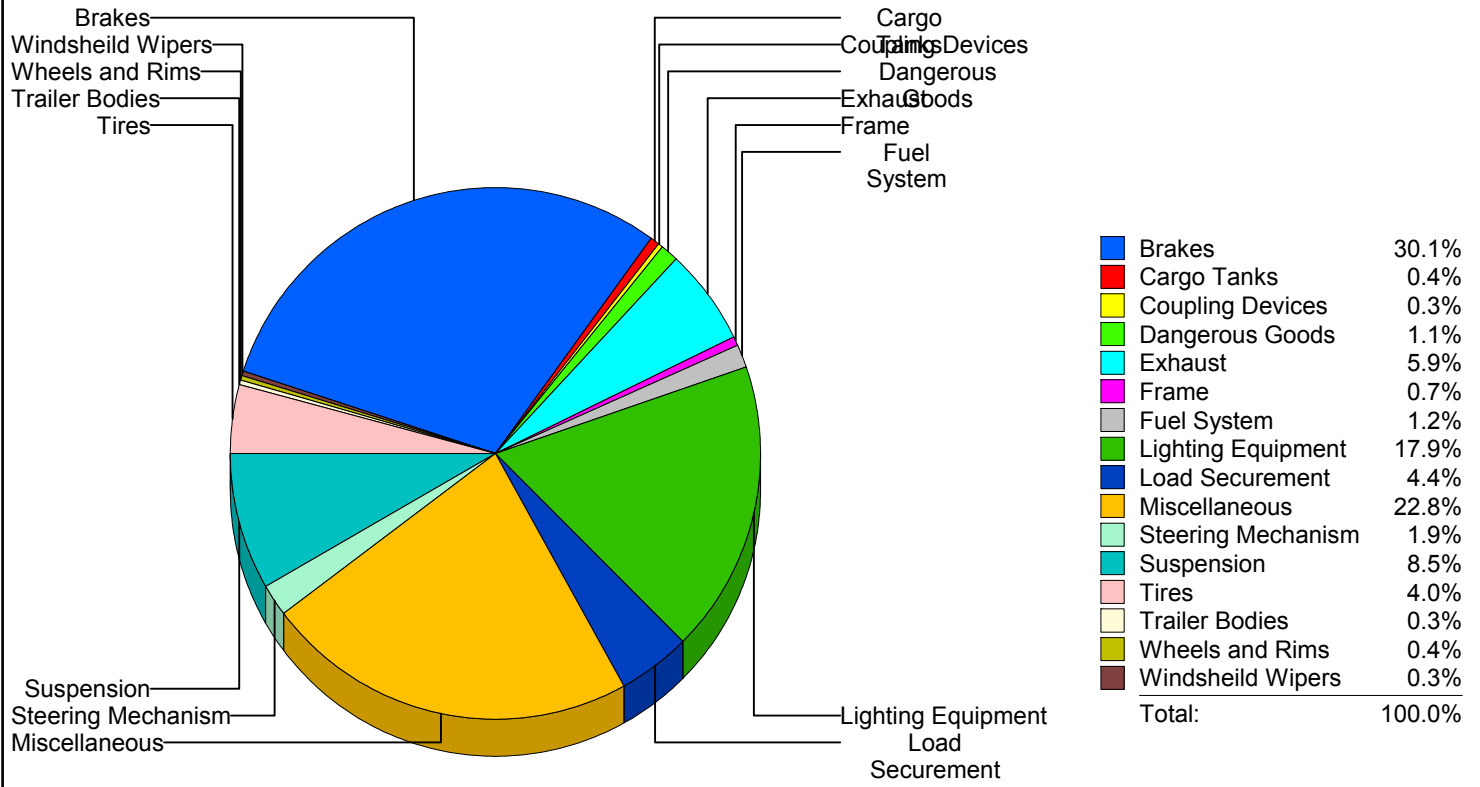
Defects / Reports: 1.33

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: All

P4 - Public Service Truck - Manitoba Registration Only



Brakes	220
Cargo Tanks	3
Coupling Devices	2
Dangerous Goods	8
Exhaust	43
Frame	5
Fuel System	9
Lighting Equipment	131
Load Securement	32
Miscellaneous	167
Steering Mechanism	14
Suspension	62
Tires	29
Trailer Bodies	2
Wheels and Rims	3
Windsheild Wipers	2

Defect Category: Both
Total Defects: 732
Total Reports: 1,356
Defects / Reports: 0.54

Number of Defects - CVSA Inspections '08

P4 - Public Service 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
5	Secondary attachment missing, worn, under size, length ineffective	1
6	Leak, location	43
7	Cross member-broken, sagging	5
8	Fuel system leak, cap missing	8
9	Unsecured tank	1
10	Headlamps, tail lights, signal, brake	118
11	Projecting load lamps, clearance	13
12	Spare tire, defective tie-downs	24
13	Dunnage, anchor points, fittings	8
14	Chambers, reservoir, compressor	20
15	Hose, lines, coupling, valves	62
16	Lining, drums, discs	6
17	T.P. valve, L.A. warning device	5
18	Audible air leak, push rod	97
19	Slack adjuster, cam shaft	16
20	Park brake, spring brake	12
21	Fluid leakage, low level, low pedal, warning light	2
23	teering wheel, column, gear box	4
24	Front axle beam, pitman arm	4
25	Power steering, ball / socket joints	4
26	Tie-rods, drag links, nuts	2
28	Axle parts - cracked, loose, broken, missing	39
29	Spring assembly - cracked, loose, broken, missing	11
30	Air Suspension - leaking, loose, broken	12
32	Floor / cross members - broken, detached, sagging	2
35	Fasteners, studs, nuts - missing, broken	3
37	Inoperative, missing, damaged	2
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	29
39	DANGEROUS GOODS	8
40	CARGO TANKS	3
42+	MISCELLANEOUS	167

Total Defects: 732

Total Reports: 1,356

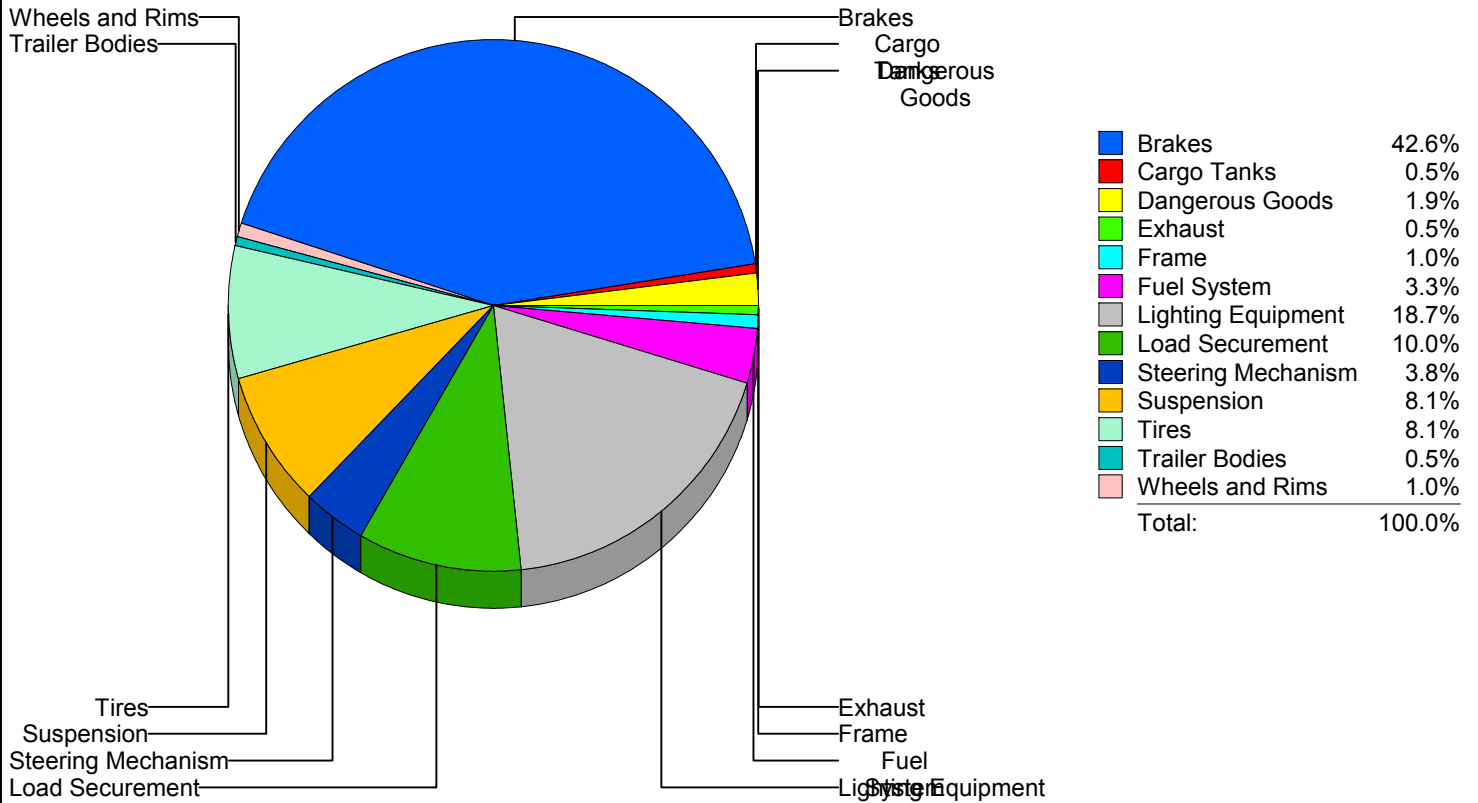
Defects / Reports: 0.54

2008 CVSA INSPECTIONS

Grouped by Defect Category

Category: Out of Service

P4 - Public Service Truck - Manitoba Registration Only



Brakes	89
Cargo Tanks	1
Dangerous Goods	4
Exhaust	1
Frame	2
Fuel System	7
Lighting Equipment	39
Load Securement	21
Steering Mechanism	8
Suspension	17
Tires	17
Trailer Bodies	1
Wheels and Rims	2

Defect Category: Out of Service

Total Defects: 209
Total Reports: 192
Defects / Reports: 1.09

Number of Defects - CVSA Inspections '08

P4 - Public Service Truck - Manitoba Registration Only

Manitoba
Infrastructure and
Transportation



Category: Out of Service

Defect Category: Out of Service

Defect Code	Defect Description	Count
6	Leak, location	1
7	Cross member-broken, sagging	2
8	Fuel system leak, cap missing	7
10	Headlamps, tail lights, signal, brake	39
12	Spare tire, defective tie-downs	15
13	Dunnage, anchor points, fittings	6
14	Chambers, reservoir, compressor	8
15	Hose, lines, coupling, valves	28
16	Lining, drums, discs	3
17	T.P. valve, L.A. warning device	4
18	Audible air leak, push rod	33
19	Slack adjuster, cam shaft	3
20	Park brake, spring brake	10
23	teering wheel, column, gear box	2
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	8
29	Spring assembly - cracked, loose, broken, missing	2
30	Air Suspension - leaking, loose, broken	7
32	Floor / cross members - broken, detached, sagging	1
35	Fasteners, studs, nuts - missing, broken	2
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	17
39	DANGEROUS GOODS	4
40	CARGO TANKS	1

Total Defects: 209

Total Reports: 192

Defects / Reports: 1.09

*This page is intended to be blank
for the purpose of duplex printing*

Number of Defects - CVSA Inspections '08

Non NSC - Light Duty Truck - Manitoba Registration Only

Category: All

Defect Category: Both

Manitoba
Infrastructure and
Transportation



Defect Code	Defect Description	Count
6	Leak, location	6
8	Fuel system leak, cap missing	2
10	Headlamps, tail lights, signal, brake	61
11	Projecting load lamps, clearance	3
12	Spare tire, defective tie-downs	15
13	Dunnage, anchor points, fittings	4
14	Chambers, reservoir, compressor	1
15	Hose, lines, coupling, valves	2
16	Lining, drums, discs	1
18	Audible air leak, push rod	7
19	Slack adjuster, cam shaft	1
20	Park brake, spring brake	12
21	Fluid leakage, low level, low pedal, warning light	3
23	teering wheel, column, gear box	1
25	Power steering, ball / socket joints	1
26	Tie-rods, drag links, nuts	1
28	Axle parts - cracked, loose, broken, missing	3
29	Spring assembly - cracked, loose, broken, missing	4
30	Air Suspension - leaking, loose, broken	1
32	Floor / cross members - broken, detached, sagging	1
33	Side panels - bay area damage	1
34	Bent, broken, cracked, loose	1
37	Inoperative, missing, damaged	2
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	10
42+	MISCELLANEOUS	82

Total Defects: 226

Total Reports: 121

Defects / Reports: 1.87

*This page is intended to be blank
for the purpose of duplex printing*

Number of Defects - CVSA Inspections '08

Non NSC - Light Duty Truck - Manitoba Registration Only

Category: Out of Service

Defect Category: Out of Service

Manitoba
Infrastructure and
Transportation



Defect Code	Defect Description	Count
8	Fuel system leak, cap missing	2
10	Headlamps, tail lights, signal, brake	40
11	Projecting load lamps, clearance	1
12	Spare tire, defective tie-downs	13
13	Dunnage, anchor points, fittings	3
14	Chambers, reservoir, compressor	1
15	Hose, lines, coupling, valves	1
18	Audible air leak, push rod	4
20	Park brake, spring brake	12
23	teering wheel, column, gear box	1
25	Power steering, ball / socket joints	1
26	Tie-rods, drag links, nuts	1
28	Axle parts - cracked, loose, broken, missing	2
30	Air Suspension - leaking, loose, broken	1
34	Bent, broken, cracked, loose	1
38	Worn, cut, flat, mixed, cracked, under-sized, inflated	8

Total Defects: 92

Total Reports: 60

Defects / Reports: 1.53