

New Zealand Government

## Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

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Cert # S50	<b>)</b> 9
Hubodometer Reading (which	ever comes first)
Designer's ID (if certified by a mi	nnufacturer)
Inspector's / Delegate's Signa	ature
*Delegate's Name (PRINT IN CAP	9
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	Component Load Rating(s)  X 1 = 4 · 25 m  Y 2 = 33 + Onnes  Cert # \$50  Hubodometer Reading (which  Designer's ID (if certified by a mile)  Inspector's / Delegate's Signal  Delegate's Name (PRINT IN CAP

LT400

Form ID

PHONE 07 575 5139 FAX 07 575 5137



Static Roll Threshold Compliance Certificate

Name of vehicle owner:

NZL Group Ltd

Address:

5B Jean Batten Drive, Mount Maunganui

SRT Compliance Certificate no:

S509

Vehicle Identification No.(VIN):

7A9E20010C1023092

Vehicle chassis No:

1092

Current vehicle registration:

Type of vehicle:

Full-Trailer

No of axles in front set:

No of axles in rear set:

Deck length of vehicle:

11.4 metres

Maximum height of load or vehicle body:

4.25 metres

Front suspension type:

User Defined

Rear suspension type:

**User Defined** 

I. Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui certify that

at the time of inspection this vehicle achieved a rating on a Static Roll Threshold test as follows:

Using standard load

Uniform density Description: Assumes load mass is centred midway

type:

vertically between load bed and load height.

At a max. load height of 4.25 metres and a max. allowable gross mass of 33 tonnes, the SRT is 0.34g This vehicle fails to meet the minimum SRT standard of 0.35g. It will meet the standard if:

- At maximum load height of 4.25 metres, the maximum allowable gross mass is 30.7 tonnes.
- At maximum gross mass of 33 tonnes, the maximum allowable load height is 4.12 metres.

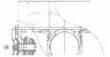
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

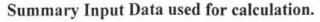
Gross Mass (tonnes)	Load Height (m)
33	4.12
32	4.17
31	4.22
30	4.25

Note: Calculated load heights greater than the legal limit of 4.25m have been set to 4.25m

Results of SRT test to be displayed on Certificate of Loading	
X1 = 4.25  metres / Y1 = 30  tonnes; $Y2 = 33  tonnes / X2 = 4.12  metres$ .	

The type of test carried out to establish this rating was: LTSA SRT Calculator Version 1.32c





## Tyre Data:

Axle	Tyre Size:	Tyre Configuration:
1	19.5	Dual
2	19.5	Dual
<sub>4</sub> 3	12.5	Dual
4	19.5	Dual
5	19.5	Dual

Body Style is Standard

## Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	15000	18000
Payload mass (kg):	11760	14160
Tare mass (kg):	3240	3840
Average load bed height (m):	1.08	
Average load height (m):	4.25	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.98 =	0.98
Lash (mm):	100	100
Suspension brand/model:	BPW AMT-0004NZ	BPW-AMT-0004NZ
Roll stiffness/axle (Nm/radian):	1156831	1156831
Spring stiffness/spring (N/m):	150000	150000
Roll centre height from axle (m):	0.096	• 0.096

I certify that I am a vehicle inspector appointed under section 2 of Land Transport Rule: Vehicle Standards Compliance 2002. I certify that this certificate complies in all respects with the applicable requirements in that rule, and that, to the best of my knowledge, the information in this certificate is true and correct

Signed:

S509

Vehicle Inspector/Inspecting Organisation No BJS Date: 24/10/2012

SRT Compliance Certificate no:

Name: Bruce Sutton

