



Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's Name (PRINT IN CAPS)

BRUCE SUTTON

ID

BJS

Vehicle Registration*

VIN / Chassis Number

7A9E20010C1023092

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

Certification Category

HVS2

Description of Work

Certify SRT- 5 axle full trailer

Code/Standard Certified to

MZTA Rule 41001:2002

Component Load Rating(s)

X1 = 4.25m / H1 = 30 tonnes

X2 = 33 tonnes / X2 = 4.12m

General Drawing Number(s)

Supporting Documents

SRT Compliance Cert # S509

*Special Conditions

As Above.

Certification Expiry Date (if applicable)

or

Hubodometer Reading (whichever comes first)

Grid for hubodometer reading

Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified above and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification complies in all respects with the Land Transport Rule Vehicle Standards Compliance 2002 and my Deed of Appointment. To the best of my knowledge the information contained in this Certificate is true and correct.

Designer's ID (if certified by a manufacturer)

Inspector's / Delegate's Signature

Bruce Sutton

*Delegate's Name (PRINT IN CAPS)

Date

24/10/2012

Number

379949

COF Vehicle Inspector ID:

COF Vehicle Inspector Signature:

Date

All fields excluding those marked with * must be completed before this certificate can be accepted.



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: 2 No of axles in rear set: 3
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 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:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 30.7 tonnes.
- or (b) 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

Summary Input Data used for calculation.

Tyre Data:

Axle	Tyre Size:	Tyre Configuration:
1	19.5	Dual
2	19.5	Dual
3	19.5	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:



Name: **Bruce Sutton**

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

SRT Compliance Certificate no:

S509