

Heavy Vehicle Specialist Certificate

Must be presented to a CoF (Heavy) Inspecting Organisation
 Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's or Manufacturing Inspecting Organisation's Name (PRINT IN CAPS)

BRUCE SUTTON

ID

BSS

Vehicle Registration*

VIN/Chassis Number

7A9E20012G1023519

Component being certified:

Chassis

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

PSV Stability

PSV Rollover

Swept Path

PBS

Certification Category

HVS2

Description of Work

Certify SRT - 5 axle full Trailer

Code/Standard/Rule Certified to

NZTA 41001: 2002

Component Load Rating(s)

X1 = 4.25m / Y1 = 30T

Y2 = 35T / X2 = 4.03m

General Drawing Number(s)

Load Type: Uniform Density

Supporting Documents

SRT Compliance Cert # S817

Special Conditions*

As Above

Certification Expiry Date (if applicable)

or

Hubodometer Reading (whichever comes first)

□ □ □ □ □ □ □ □

Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified 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 Appointment. To the best of my knowledge the information contained in the Certificate is true and correct.

Designer's ID (if different from inspector below)

□ □ □ □ □ □ □ □

Inspector's Signature

[Signature]

Inspector's Name (PRINT IN CAPS)

ID Number

□ □ □ □ □ □ □ □

Date

Number

8/9/2016

540087

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: **Kiwi Trans**
 Address:
 SRT Compliance Certificate no: **S817**
 Vehicle Identification No.(VIN): **7A9E20012G1023519**
 Vehicle chassis No: **1519**
 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: **12.35 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 type: 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 35 tonnes, the SRT is 0.33g
 This vehicle fails to meet the minimum SRT target of 0.35g. It will meet the standard if:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 30.9 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.03 metres.

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

Gross Mass (tonnes)	Load Height (m)
35	4.03
34	4.07
33	4.13
32	4.17
31	4.23
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 = 35 tonnes / X2 = 4.03 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.01c

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):	16000	19000
Payload mass (kg):	12700	15020
Tare mass (kg):	3300	3980
Average load bed height (m):	1.08	
Average load height (m):	4.25	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.94	0.94
Lash (mm):	90	90
Suspension brand/model:	SAF Intradisc IU28-2005RZ	SAF Intradisc IU28-2005RZ
Roll stiffness/axle (Nm/radian):	1200000	1200000
Spring stiffness/spring (N/m):	470000	470000
Roll centre height from axle (m):	0.05	0.05

I certify that I am a vehicle inspector appointed under *section 2 of Land Transport Rules 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: **8/9/2016**

SRT Compliance Certificate no

S8T7