NZ TRANSPORT AGENCY
WAKA KOTAHI

Heavy Vehicle Specialist Certificate

Must be presented to a Transport Service Delivery Agent
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: 7A9E35018D1023191

Component being certified:

- [ ] Chassis Modification
- [ ] Load Anchorage
- [ ] Log Bolsters
- [ ] Towing Connection
- [ ] Brakes
- [x] SRT
- [ ] PSV Stability
- [ ] PSV Rollover
- [ ] Swept Path
- [ ] PBS

Certification Category: HVS

Description of Work: Certify SRT- 5 axle full Trailer

Code/Standard Certified to: NZTA Rule 41001: 2002

Component Load Rating(s): X1= 4·25m / Y1= 29 T
Y2= 35T / X2= 3·96m.
Load Type: Uniform Density

General Drawing Number(s):

Supporting Documents: SRT Compliance Cert # S601

*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 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:

*Delegate's/Inspector's Name *(PRINT IN CAPS)*: ID number:

Date: 21/11/13

Number: 445119

COF Vehicle Inspector ID:

COF Vehicle Inspector Signature:

Date:

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

DOMETT TRUCK & TRAILER LTD
Hewletts Road
PO Box 5215
Mount Maunganui
NEW ZEALAND

PHONE 07 575 5139
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DOMETT

www.domett-trailers.co.nz

Static Roll Threshold Compliance Certificate

Name of vehicle owner:	**Riordan & West Ltd**
Address:	
SRT Compliance Certificate no:	**S601**
Vehicle Identification No.(VIN):	**7A9E35018D1023191**
Vehicle chassis No:	**1191**
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:	**7.6 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 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 29.4 tonnes.
or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.96 metres.

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

Gross Mass (tonnes)	Load Height (m)
35	3.96
34	4.01
33	4.06
32	4.1
31	4.15
30	4.2
29	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 = 29 tonnes ; Y2 = 35 tonnes / X2 = 3.96 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 Step deck

Inputs	Front	Rear
Load bed height (m):	1.21	0.99
Deck length (m):	3	4.6

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	12860	15860
Tare mass (kg):	3140	3140
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 IU25/2000RZ	SAF INTRADISC IU25/2000RZ
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 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: **21/11/2013**

SRT Compliance Certificate no: S601