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 or Manufacturing Inspecting Organisation's Name *(PRINT IN CAPS)*: BRUCE SUTTON

ID: BJS

Vehicle Registration*:

VIN/Chassis Number: 7A9C15038E1023272

Component being certified:

- ☐ Chassis Modification
- ☐ Load Anchorage
- ☐ Log Bolsters
- ☐ Towing Connection
- ☐ Brakes
- ☑ SRT
- ☐ PSV Stability
- ☐ PSV Rollover
- ☐ Swept Path
- ☐ PBS

Certification Category: HVS 2.

Description of Work: Certify SRT - 3 axle Semi (B-Train front unit)

Code/Standard/Rule Certified to: NZTA Rule 41001 : 2002

Component Load Rating(s):
X1 = 4.25m / Y1 = 17T
Y2 = 19T / X2 = 4.11m
Load Type : Uniform Density

General Drawing Number(s):

Supporting Documents:
SRT Compliance Cert # S656A
and S656B - with imposed tare from rear unit when attached)

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:

Inspector's Name *(PRINT IN CAPS)*:

ID Number:

Date: 30/9/14.

Number: 470926

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
FAX 07 575 5137

www.domett-trailers.co.nz

Static Roll Threshold Compliance Certificate

Name of vehicle owner:	**Toll Carriers Ltd**
Address:	
SRT Compliance Certificate no:	**S656A**
Vehicle Identification No.(VIN):	**7A9C15038E1023272**
Vehicle chassis No:	**1272**
Current vehicle registration:	
Type of vehicle:	**Semi-Trailer**
No of axles in front set: 0	**No of axles in rear set:** 3
Deck length of vehicle:	**12.29 metres**
Maximum height of load or vehicle body:	**4.25 metres**
Front suspension type:	**none**
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 19 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 16.9 tonnes.

or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.04 metres.

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

Gross Mass (tonnes)	Load Height (m)
19	4.04
18	4.14
17	4.23
16	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 = 16 tonnes ; Y2 = 19 tonnes / X2 = 4.04 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

Body Style is Standard

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	14840
Tare mass (kg):	4160
Average load bed height (m):	1.34
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF INTRADISC IU25-2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	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: **30/9/2014**

SRT Compliance Certificate no: S656A

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Static Roll Threshold Compliance Certificate

Name of vehicle owner:	**Toll Carriers Ltd**
Address:	
SRT Compliance Certificate no:	**S656B (with rear unit attached)**
Vehicle Identification No.(VIN):	**7A9C15038E1023272**
Vehicle chassis No:	**1272**
Current vehicle registration:	
Type of vehicle:	**Semi-Trailer**
No of axles in front set: 0	**No of axles in rear set:** 3
Deck length of vehicle:	**12.29 metres**
Maximum height of load or vehicle body:	**4.25 metres**
Front suspension type:	**none**
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 19 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 17.7 tonnes.

or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.11 metres.

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

Gross Mass (tonnes)	Load Height (m)
19	4.11
18	4.21
17	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 = 17 tonnes ; Y2 = 19 tonnes / X2 = 4.11 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

Body Style is Standard

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	14340
Tare mass (kg):	4660
Average load bed height (m):	1.34
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF INTRADISC IU25-2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	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: _____

Vehicle Inspector/Inspecting Organisation No **BJS**

SRT Compliance Certificate no:

Name: **Bruce Sutton**

Date: **30/9/2014**

S656B (with rear unit attached)