

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
7A9C20033E1023261

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 trailer**

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

Component Load Rating(s)
X1=4.25m / Y1=17T } cet
Y2=19T / X2=4.09m } S642B
load Type: Uniform Density

General Drawing Number(s)

Supporting Documents
SRT Compliance Cert # S642A, and S642B with imposed tax from rear unit.

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
1/7/2014

Number
470912

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: Open Country Dairy Ltd
Address:
SRT Compliance Certificate no: S642A
Vehicle Identification No.(VIN): 7A9C20033E1023261
Vehicle chassis No: 1261
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: 7.70 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 Uniform density Description: Assumes load mass is centred midway vertically between load bed and load height.
type:

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 17.2 tonnes.
- or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.09 metres.

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

Gross Mass (tonnes)	Load Height (m)
19	4.09
18	4.16
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 = 4.09 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	22.5	Dual
2	22.5	Dual
3	22.5	Dual

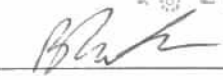
Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.32	1.065
Deck length (m):	4.40	3.30

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	15440
Tare mass (kg):	3560
Average load bed height (m):	1.21
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: **1/7/2014**

SRT Compliance Certificate no:

S642A



Static Roll Threshold Compliance Certificate

Name of vehicle owner: Open Country Dairy
Address:
SRT Compliance Certificate no: S642B (with imposed tare from rear unit)
Vehicle Identification No.(VIN): 7A9C20033E1023261
Vehicle chassis No: 1261
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: 7.7 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 0.35g

This vehicle meets or exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading

X1 = 4.25 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 4.25 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	22.5	Dual
2	22.5	Dual
3	22.5	Dual

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.32	1.065
Deck length (m):	4.40	3.30

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	13900
Tare mass (kg):	5100
Average load bed height (m):	1.21
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: **17/2014**

S642B (with imposed tare
from rear unit)