



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 **7A9D15012A0023867**

Component being certified: Chassis Modification Load Anchorage Log Bolsters
 Towing Connection Brakes SRT

Certification Category **HVS2**

Description of Work **Certify SRT - 4 axle full trailer**

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

Component Load Rating(s) **X1 = 4.25m / Y1 = 25T**

General Drawing Number(s)

Y2 = 30T / X2 = 3.97m

Supporting Documents **SRT Compliance Cert # S405**

*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 **B Sutton**

*Delegate's Name (PRINT IN CAPS)

Date **30/4/2010**

Number **342601**

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:

Donald W Butcher &
Company LTD

Address:

15 Oak Avenue, Paremata,
Porirua

SRT Compliance Certificate no:

S405

Vehicle Identification No.(VIN):

7A9D15012A0023867

Vehicle chassis No:

867

Current vehicle registration:

Type of vehicle:

Full-Trailer

No of axles in front set: 2

No of axles in rear set: 2

Deck length of vehicle:

8.83 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 30 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 25.1 tonnes.
- or (b) At maximum gross mass of 30 tonnes, the maximum allowable load height is 3.97 metres.

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

Gross Mass (tonnes)	Load Height (m)
30	3.97
29	4.02
28	4.08
27	4.12
26	4.18
25	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 = 25 tonnes ; Y2 = 30 tonnes / X2 = 3.97 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

Body Style is Standard

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	15000	15000
Payload mass (kg):	12300	12580
Tare mass (kg):	2700	2420
Average load bed height (m):	1.10	
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 IU30-2505RZ	SAF INTRADISC IU30-2505RZ
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:



Vehicle Inspector/Inspecting Organisation No **BJ5**
SRT Compliance Certificate no:

Name: **Bruce Sutton**

Date: **30/4/2010**

S405