

New Zealand Government

# Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's Name (PRINT IN CAPS)  BRUCE SUTTON		B	JS
Vehicle Registration*  VIN / Chass 7 A	is Number	130102	3029
	sis Modification ng Connection	Load Anchorage Brakes	Log Bolsters  SRT
Description of Work Certify SRT-	4 axle	fall Valler	
Code/Standard Certified to  NZTA Rule 41001: 2002  General Drawing Number(s)  Supporting Documents  SRT Cert #	Component Los $X1 = 4.2$ $Y2 = 30$ $S 475$	d Rating(s) $5m / 1 = 2$ Honnes $/ X 2 = 1$	5 tonnes 4 metres
*Special Conditions As Above			
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	Number	79923
COF Vehicle Inspector ID: COF Vehicle In All fields excluding those marked with * must	nspector Signature:	Date	
Zealand Government Form ID	LT400		sion No. 01/09

Version No. 01/09

PHONE 07 575 5139 FAX 07 575 5137



www.domett-trailers.co.nz

## Static Roll Threshold Compliance Certificate

Name of vehicle owner:

Sinclair Transport 2005 Ltd

Address:

35 Winton - Lornville Highway, Winton

SRT Compliance Certificate no:

S475

Vehicle Identification No.(VIN):

7A9D25013C1023029

Vehicle chassis No:

1029

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:

9.75 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 25.4 tonnes.
- or (b) At maximum gross mass of 30 tonnes, the maximum allowable load height is 4 metres.

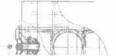
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)	
30	4	
29	4.05	
28	4.1	
27	4.14	
26	4.2	
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 = 4 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:
	19.5	Dual
2	19.5	Dual
3	19.5	Dual
<u>*</u> 4	193	Dual

Body Style is Standard

### Mass and Suspension Data:

Inputs	Front	- Rear	
Gross mass (kg):	15000	15000	
Payload mass (kg):	12360	12740	
Tare mass (kg):	2640	2260	
Average load bed height (m):	1.06		
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 IN TRADISC 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 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: 2/3/2012

S475

