

# Heavy Vehicle Specialist Certificate

Must be presented to a CoF (Heavy) Inspecting Organisation  
Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's or Manufacturing Inspecting Organisation's Name (PRINT IN CAPS)

**BRUCE SUTTON**

ID

**BSS**

Vehicle Registration\*

VIN/Chassis Number

**7A9E25017G1023500**

Component being certified:

Chassis

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

PSV Stability

PSV Rollover

Swept Path

PBS

Certification Category

**HVS2**

Description of Work

**Certify SRT - 5 axle full trailer**

Code/Standard/Rule Certified to

**NZTA Rule 41001:2002**

Component Load Rating(s)

**X1 = 4.25m / A1 = 29T**

**X2 = 3.5T / X2 = 3.97m**

**Load Type: Uniform Density**

General Drawing Number(s)

Supporting Documents

**SRT Compliance Cert # S791**

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

*Bruce Sutton*

Inspector's Name (PRINT IN CAPS)

ID Number

Date

**15/6/2016**

Number

**540066**

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**

**Physical Address**  
 189 Kennedy Road  
 Tauriko Business Estate  
 Tauriko

**Postal Address**  
 PO Box 9458  
 Greerton  
 Tauranga



**PHONE** 07 575 5139  
**FAX** 07 575 5137

www.domett-trailers.co.nz

## Static Roll Threshold Compliance Certificate

**Name of vehicle owner:** McCormack Transport Ltd  
**Address:**  
**SRT Compliance Certificate no:** S791  
**Vehicle Identification No.(VIN):** 7A9E25017G1023500  
**Vehicle chassis No:** 1500  
**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:** 10.37 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 target of 0.35g. It will meet the standard if:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 29.5 tonnes.
- or (b) At maximum gross mass of 35 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)
35	3.97
34	4.02
33	4.07
32	4.11
31	4.15
30	4.21
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 = 3.97 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.01c

**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 Standard**

**Mass and Suspension Data:**

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	13260	15900
Tare mass (kg):	2740	3100
Average load bed height (m):	1.04	
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 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**

Name: **Bruce Sutton**  
 Date: **15/6/2016**  
**S791**

**SRT Compliance Certificate no**