

New Zealand Government

## **Heavy Vehicle Specialist Certificate**

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

Version No. 11/14

Heavy Vehicle Specialist Inspector's or Manufacturing Inspecting Organisat  BRUCE SUTTON	ion's Name (PRINT IN CAPS)	BJS		
Vehicle Registration* VIN/Chassis Number	25017610	023500		
Component being certified: Chassis	Load Anchorage	Log Bolsters		
Towing Connection   PSV Stability	Brakes PSV Rollover	SRT Swept Path		
Certification Category  HVS 2  PBS	1. NO. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18			
Description of Work Certify SRT - 5 axle full trailer				
Code/Standard/Rule Certified to	Component Load Rating(s)			
WZTA Rule 41001:2002 General Drawing Number(s)	X 1= 425m /1 Y2= 357 /X2	= 3.97m		
Load Type: Undam Dencty				
Supporting Documents  SRT Compliance Cert # S791				
Special Conditions*				
As Above -				
Certification Expiry Date (if applicable)	Hubodometer Reading (whichever comes	first)		
Declaration	Designer's 1D (if different from inspector below)	DW)		
I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified and I hold a current valid appointment. I	Inspector's Signature			
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	Inspector's Name (PRINT IN CAPS)	ID Number		
Compliance 2002 and my Appointment. To the best of my knowledge the information contained in the Certificate is true and correct.	Date Num	ber		
	15/6/2016	5 <b>4</b> 006 <b>6</b>		
CoF Vehicle Inspector ID  CoF Vehicle Inspector	r Signature Date			
All fields excluding those marked with * must be com	nleted before this certificate can be	accepted.		

LT400

Form ID

#### **DOMETT TRUCK & TRAILER LTD**

Physical Address 189 Kennedy Road Tauriko Business Estate Tauriko Postal Address PO Box 9458 Greerton Tauranga

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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:

No of axles in rear set:

t:

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:

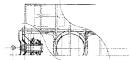
Gross Mass (tonnes)	Load Height (m)
35	3.97
34	4.02
33	4.07
32	4.11
31	4.15
30	4.21
29	4.25

2

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:
	19.5	Dual 11,30
2 5919	19.5	Dual
3	19.5	Dual
4	19.5	Dual
5	19.50	Dual
	Contract Course	

Body Style is Standard

### Mass and Suspension Data:

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Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	3260	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	SAP Intradist 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 Wehicle 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: 15/6/2016

5791

