

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS)	ID
BRUCE SUTTON	BJS

Vehicle registration (optional)	VIN/chassis number
	7 A 9 E 3 5 0 1 X K 1 0 2 3 8 2 2
Make	Component being certified:
DOMETT	<input type="checkbox"/> Chassis <input type="checkbox"/> Load anchorage
Model (optional)	<input type="checkbox"/> Log bolsters <input type="checkbox"/> Towing connection <input type="checkbox"/> Brakes
2019 E3501 PH	<input checked="" type="checkbox"/> SRT <input type="checkbox"/> PSV stability <input type="checkbox"/> PSV rollover
Certification category	<input type="checkbox"/> Swept path <input type="checkbox"/> PBS
HVS2	

Description of work

CERTIFY SRT - 5 AXLE FULL TRAILER

Code/standard/rule certified to	Component load rating(s)
NZTA RULE 41001:2016	X1 = 4.3m / Y1 = 29t
General drawing number(s)	Y2 = 35t / X2 = 4m
	LOAD TYPE: UNIFORM DENSITY

Supporting documents

SRT COMPLIANCE CERT # S1028

Special conditions (optional)

AS ABOVE

Certification expiry date (if applicable)	or	Hubodometer reading (whichever comes first)
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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

BRUCE SUTTON **B J S**

Date Number

28-03-2019 **680003**

CoF vehicle inspector ID (if applicable)	CoF vehicle inspector signature (if applicable)	Date

All fields are mandatory unless otherwise stated.



Static Roll Threshold Compliance Certificate

Name of vehicle owner: Paengaroa Road Haulage
 Address:
 SRT Compliance Certificate no: S1028
 Vehicle Identification No.(VIN): 7A9E3501XK1023822_
 Vehicle chassis No: 1822
 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: 8.4 metres
 Maximum height of load or vehicle body: 4.3 metres
 Front suspension type: User Defined
 Rear suspension type: User Defined

I, Bruce Sutton of Domett Truck and Trailer, PO Box 9458, Greerton, Tauranga 3142 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 4.3 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 4.3 metres, the maximum allowable gross mass is 29.2 tonnes.
- or (b) At maximum gross mass of 35 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)
35	4
34	4.05
33	4.1
32	4.14
31	4.19
30	4.24
29	4.3

Note: Calculated load heights greater than the legal limit of 4.30m have been set to 4.30m

Results of SRT test to be displayed on Certificate of Loading
 X1 = 4.3 metres / Y1 = 29 tonnes ; Y2 = 35 tonnes / X2 = 4 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.12c

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):	12840	15480
Tare mass (kg):	3160	3520
Average load bed height (m):	1.255	
Average load height (m):	4.3	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.994	0.994
Lash (mm):	0	0
Suspension brand/model:	Hendrickson AANT 23K	Hendrickson AANT 23K
Roll stiffness/axle (Nm/radian):	1737680	1737680
Spring stiffness/spring (N/m):	350000	350000
Roll centre height from axle (m):	0.102	0.102

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: **28/3/2019**

S1028