

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

MATTHEW CONNOLLY **MHC**

Vehicle registration (optional) VIN/chassis number

7 A 9 E 2 0 0 1 0 K 1 0 2 3 8 6 6

Make Component being certified:

DOMETT Chassis Load anchorage

Model (optional) Log bolsters Towing connection Brakes

2019 E2001 PH SRT PSV stability PSV rollover

Certification category Swept path 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 = 4.30m / Y1 = 33t**

General drawing number(s) **Y2 = 35t / X2 = 4.21m**

LOAD TYPE: UNIFORM DENSITY

Supporting documents

SRT COMPLIANCE CERT # S1064

Special conditions (optional)

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

M Connolly

Inspector's name (PRINT IN CAPS) ID number

MATTHEW CONNOLLY **M H C**

Date Number

19-09-2019 **680037**

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:	Booths Transport Ltd
Address:	
SRT Compliance Certificate no:	S1064
Vehicle Identification No.(VIN):	7A9E20010K1023866
Vehicle chassis No:	1866
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:	12.17 metres
Maximum height of load or vehicle body:	4.30 metres
Front suspension type:	User Defined
Rear suspension type:	User Defined

I, **Matthew Connolly 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 0.34g. 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 33.2 tonnes.
or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.21 metres.

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

Gross Mass (tonnes)	Load Height (m)
35	4.21
34	4.25
33	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 = 33 tonnes ; Y2 = 35 tonnes / X2 = 4.21 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):	12760	15120
Tare mass (kg):	3240	3880
Average load bed height (m):	1.077	
Average load height (m):	4.30	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.994	0.994
Lash (mm):	0	0
Suspension brand/model:	Hendrickson Intraxx AANL ZMD	Hendrickson Intraxx AANL ZMD
Roll stiffness/axle (Nm/rad):	1824776	1824776
Spring stiffness/spring (N/m):	350000	350000
Roll centre height from axle (m):	0.051	0.051

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: *M Connolly*
 Vehicle Inspector/Inspecting Organisation No MHC
 SRT Compliance Certificate no:

Name: **Matthew Connolly**
 Date: **19/9/2019**
 S1064