

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS) MATTHEW CONNOLLY	ID MHC
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Vehicle registration (optional)	VIN/chassis number 7 A 9 E 2 0 0 1 0 L 1 0 2 3 9 7 9
Make DOMETT	Component being certified: <input type="checkbox"/> Chassis <input type="checkbox"/> Load anchorage
Model (optional) 2020 E2001 PH	<input type="checkbox"/> Log bolsters <input type="checkbox"/> Towing connection <input type="checkbox"/> Brakes
Certification category HVS2	<input checked="" type="checkbox"/> SRT <input type="checkbox"/> PSV stability <input type="checkbox"/> PSV rollover
	<input type="checkbox"/> Swept path <input type="checkbox"/> PBS

Description of work
CERTIFY SRT - 5 AXLE FULL TRAILER

Code/standard/rule certified to NZTA RULE 41001:2016	Component load rating(s) X1 = 4.30m / Y1 = 29t
General drawing number(s)	Y2 = 35t / X2 = 4.01m
	LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1123


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
MATTHEW CONNOLLY M H C

Date
08-07-2020

Number
728345

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: Sorensons Transport Ltd
Address:
SRT Compliance Certificate no: S1123
Vehicle Identification No.(VIN): 7A9E20010L1023979
Vehicle chassis No: 1979
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: 11.33 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 0.33g
 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 29.8 tonnes.
 or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.01 metres.

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

Gross Mass (tonnes)	Load Height (m)
35	4.01
34	4.06
33	4.11
32	4.15
31	4.21
30	4.27
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 = 4.01 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	15140
Tare mass (kg):	3160	3860
Average load bed height (m):	1.078	
Average load height (m):	4.30	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.940	0.940
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 **MHC**
 SRT Compliance Certificate no:

Name: **Matthew Connolly**
 Date: **8/7/2020**
 S1123