

# Heavy vehicle specialist certificate Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

Heavy vehicle specialist inspector's or manufacturing  MATTHEW CONNOLLY	; inspecting organisation's name (PRINT IN CAPS)	ID MHC
Vehicle registration (optional)	VIN/chassis number	
Make	7 A 9 E 2 0 0 1 8	K 1 0 2 3 8 8 7
DOMETT	Component being certified: Chassis	Load anchorage
Model (optional) 2019 E2001 PH	Log bolsters Towing	connection Brakes
Certification category	X SRT PSV sta	PSV rollover
HVS2  Description of work	Swept path PBS	
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CERTIFY SRT - 5 AXLE FU	JLL IRAILER	
		provided destaurantes i rendo i viculari contractica de contractic
Code/standard/rule certified to	Component load rating(	o)
NZTA RULE 41001:2016		/ Y1 = 30.8t
General drawing number(s)	<u>Y2 = 35t / X</u>	
Supporting documents	J LOAD TYPI	E: UNIFORM DENSITY J
SRT COMPLIANCE CERT #	S1069	
Special conditions (optional)  AS ABOVE		
AS ABOVE		
Certification expiry date (if applicable)	<b>or</b> Hubodometer reading (w	hichever comes first)
Declaration	Designer's ID (if different fro	m inspector below)
	1000	
I the undersigned, declare that I am the heavy vehicle inspector identified and I hold a current valid appo- certify that the above mentioned vehicle componen-	ointment. I	
manufacture and installation, and this certification in all respects with the Land Transport Rule: Vehicle 5 Compliance 2002 and my appointment. To the be knowledge the information contained in the certifical and correct.	n complies	V CAPS) ID number
	pest of my MATTHEW	CONNOLLY MHC
	Date <b>04-10-201</b> 9	Number COOOA3
	<u> </u>	680042
CoF vehicle inspector ID (if applicable)	CoF vehicle inspector signature (if applicable)	Date

New Zealand Government

Form ID

LT400

Version No. 05/18

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

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

**Postal Address** PO Box 9458 Greerton Tauranga





www.domett-trailers.co.nz

## Static Roll Threshold Compliance Certificate

Name of vehicle owner:

Mainfreight Ltd

Address:

**SRT Compliance Certificate no:** 

S1069

Vehicle Identification No.(VIN):

7A9E20018K1023887

Vehicle chassis No:

1887

**Current vehicle registration:** 

Type of vehicle:

**Full-Trailer** 

No of axles in front set:

No of axles in rear set:

Deck length of vehicle:

11.2 metres

Maximum height of load or vehicle body:

4.25 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

2

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:

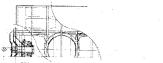
- At maximum load height of 4.25 metres, the maximum allowable gross mass is 30.8 tonnes. (a)
- At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.02 metres. or (b) The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)	
35	4.02	
34	4.07	
33	4.12	
32	4.17	
31	4.23	
30	4.29	

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 = 4.25  metres / Y1 = 30  tonnes; $Y2 = 35  tonnes / X2 = 4.02  metres$ .	

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:

			700
(Ö)	Axle	Tyre Size:	Tyre Configuration:
S	1	19.5	Dual 1132
19,40	2	19.5	Dual
	3	19.5	Dual
	<u></u> 4	19.5	Dual
	5	THO 19.50 C.40	Dual

Body Style is Standard

### Mass and Suspension Data:

Inputs	Front	Rear	
Gross mass (kg):	16000	19000	
Payload mass (kg):	2780	15020	
Tare mass (kg):	3220	3980	
Average load bed height (m):	1.08		
Average load height (m):			
Suspension type:	User Defined	User Defined	
Suspension track width (m):	0.940	0.940	
Lash (mm):	90	90	
Suspension brand/model:	SAF Intradisc JU28/2005RZ-68A	SAF Intradisc IU28/2005RZ	
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: Momoly

Vehicle Inspector/Inspecting Organisation No MHC

SRT Compliance Certificate no:

Name: Matthew Connolly

Date: 4/10/2019

S1069

