

# Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation  
Heavy vehicle specialist inspector and inspecting organisation

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

**CAMERON HARRIS** **CNH**

Vehicle registration (optional) VIN/chassis number

**7 A 9 E 2 5 0 1 6 H 1 0 2 3 6 6 6**

Make **DOMETT**

Model (optional) **2017 E2501 H**

Certification category **HVS2**

Component being certified:

<input type="checkbox"/> Chassis	<input type="checkbox"/> Load anchorage
<input type="checkbox"/> Log bolsters	<input type="checkbox"/> Towing connection
<input checked="" type="checkbox"/> SRT	<input type="checkbox"/> PSV stability
<input type="checkbox"/> Swept path	<input type="checkbox"/> PSV rollover
	<input type="checkbox"/> PBS

Description of work

**CERTIFY SRT - 5 AXLE FULL TRAILER**

Code/standard/rule certified to **NZTA RULE 41001:2016**

General drawing number(s)

Component load rating(s)

**X1 = 4.3m / Y1 = 28t**

**Y2 = 35t / X2 = 3.98m**

**LOAD TYPE: UNIFORM DENSITY**

Supporting documents

**SRT COMPLIANCE CERT # S907**

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 

Inspector's name (PRINT IN CAPS) **CAMERON HARRIS** ID number **CNH**

Date **22-11-2017** Number **602729**

CoF vehicle inspector ID CoF vehicle inspector signature Date

All fields are mandatory unless otherwise stated.

**DOMETT TRUCK & TRAILER LTD****Physical Address**

189 Kennedy Road  
Tauriko Business Estate  
Tauriko

**Postal Address**

PO Box 9458  
Greerton  
Tauranga



PHONE 07 575 5139

FAX 07 575 5137

www.domett-trailers.co.nz

## Static Roll Threshold Compliance Certificate

<b>Name of vehicle owner:</b>	<b>Inverarity Transport</b>
<b>Address:</b>	
<b>SRT Compliance Certificate no:</b>	<b>S907</b>
<b>Vehicle Identification No.(VIN):</b>	<b>7A9E25016H1023666</b>
<b>Vehicle chassis No:</b>	<b>1666</b>
<b>Current vehicle registration:</b>	
<b>Type of vehicle:</b>	<b>Full-Trailer</b>
<b>No of axles in front set:</b> <b>2</b>	<b>No of axles in rear set:</b> <b>3</b>
<b>Deck length of vehicle:</b>	<b>10.97 metres</b>
<b>Maximum height of load or vehicle body:</b>	<b>4.3 metres</b>
<b>Front suspension type:</b>	<b>User Defined</b>
<b>Rear suspension type:</b>	<b>User Defined</b>

I, **Cameron Harris** 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 28.8 tonnes.  
or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.98 metres.  
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
35	3.98
34	4.03
33	4.08
32	4.12
31	4.17
30	4.22
29	4.28
28	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 = 28 tonnes ; Y2 = 35 tonnes / X2 = 3.98 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.10c

**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 Sloping deck

Inputs	Front	Rear
Load bed height (m):	1.05	1.03
Load height (m):	4.3	4.3

**Mass and Suspension Data:**

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	13200	15800
Tare mass (kg):	2800	3200
Average load bed height (m):	1.04	
Average load height (m):	4.3	
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-68A	SAF Intradisc IU28/2005RZ-68A
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: C.Harris  
 Vehicle Inspector/Inspecting Organisation No CNH  
 SRT Compliance Certificate no:

Name: **Cameron Harris**  
 Date: **22/11/2017**  
 S907