

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

Plate number *(optional)* VIN/chassis number **7 A 9 C 2 0 0 2 4 P 2 0 2 3 3 3 7**

Make **DOMETT** Component being certified: Chassis Load anchorage

Model *(optional)* **2023 C2002 BPH** Log bolsters Towing connection Brakes

Certification category **HVS2** SRT PSV stability PSV rollover

Swept path PBS

Description of work
CERTIFY SRT - 3 AXLE SEMI TRAILER

Code/standard/rule certified to **NZTA RULE 41001:2016** Component load rating(s) **X1 = 4.30m / Y1 = 18t**

General drawing number(s) **Y2 = 19t / X2 = 4.23m**
LOAD TYPE: UNIFORM DENSITY

Supporting documents **SRT COMPLIANCE CERT # S1385**

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)* **KYLE BOSSELMANN** ID number **K D B**

Date **03-10-2023** Number **A 01502**

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

Static Roll Threshold Compliance Certificate

Name of vehicle owner: Absolute Aotearoa Ltd
Address:
SRT Compliance Certificate no: S1385
Vehicle Identification No.(VIN): 7A9C20024P2023337
Vehicle chassis No: 2337
Current vehicle registration:
Type of vehicle: Semi-Trailer
No of axles in front set: 0 No of axles in rear set: 3
Deck length of vehicle: 10.2 metres
Maximum height of load or vehicle body: 4.3 metres
Front suspension type: none
Rear suspension type: User Defined

I, Kyle Bosselmann 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 19 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 18.3 tonnes.
- or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.23 metres.

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

Gross Mass (tonnes)	Load Height (m)
19	4.23
18	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 = 18 tonnes ; Y2 = 19 tonnes / X2 = 4.23 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

Body Style is Standard

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	14930
Tare mass (kg):	4070
Average load bed height (m):	1.18
Average load height (m):	4.3
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF IO35-2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	0.155

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: 

Name: **Kyle Bosselmann**

Vehicle Inspector/Inspecting Organisation No **KDB**

Date: **3/10/2023**

SRT Compliance Certificate no:

S1385

Domett Truck & Trailer Ltd
Taurikura Drive & Kennedy Road
Tauriko, Tauranga

PDS



Date: 3/10/2023

Job Number: 9680

Certifier: Kyle Bosselmann

ID: KDB

Client: ABSOLUTE AOTEAROA LTD

Vehicle Details

Make:	Domett	Model:	C2002 BPH	Trailer GVM:	28000 kg
VIN number:	7A9C20024P2023337	Chassis Number:	2337	Rego:	
				Hubo:	

Standards / Codes the design must comply with

Vehicle Dimensions & Mass (41001)

Component

SRT	<input checked="" type="checkbox"/>	X1	4.3 m
Certificate #	S1385	Y1	18 t
Load Type	Uniform Density	Y2	19 t
		X2	4.23 m

LT400

LT400 # A 01502 Category HVS2

File Content

Vehicle Info	Y	N
Photographs	Y	N
Drawings	Y	N
Proprietary component data	Y	N
Calculations	Y	N
LT400	Y	N

Certify

YES

NO

I understand and declare that I am the Certifier identified above and hold a current valid appointment. I certify that at the time of inspection the above mentioned vehicle components and this certification complied in all respects with applicable requirements for the aspect at the time of certification. To the best of my knowledge the information contained in this certificate is true and correct.

Certifier Signature:

Date:

3/10/2023

Domett Truck & Trailer Ltd
 Taurikura Drive & Kennedy Road
 Tauriko, Tauranga

SRT Worksheet



Date: 3/10/2023 Job Number: 9680
 Certifier: Kyle Bosselmann ID: KDB
 Client: ABSOLUTE AOTEAROA LTD Cert #: S1385

Vehicle Details

Make: Domett Model: C2002 BPH Trailer GVM: 28000 kg
 VIN number: 7A9C20024P2023337 Chassis Number: 2337 Rego:
 Hubo:

Suspension Details

Make: SAF Model: IO35/2005RZ-68A Fixed Steerer: 0
 Ride Height: 350 mm Steerer: N/A

Suspension data referenced in File "Design info SRT's", in Engineering office.

Dolly

Number of Axles: 0 Hanger Centres - Dolly: 0
 Tyre Size: N/A Tyre Configuration: N/A

Fixed

Number of Axles: 3 Hanger Centres - Fixed: 940 mm
 Tyre Size: 265/70 R 19.5 Tyre Configuration: Dual

Steerers

Number of Axles: 0 Hanger Centres - Steerers: 0
 Tyre Size: 265/70 R 19.5 Tyre Configuration: Dual

Load Details

Uniform Density Mixed Freight Other

Masses	Front	Rear	Total
Gross:	kg 19000	kg	19000 kg
Tare:	kg 4070	kg	4070 kg
Load Height Max:	4.3 m	Payload Cog:	m
Deck Length:	10.2 m	Max Height:	4.3 m
Front Deck Height:	1.190 m	Front Deck Length:	m
Rear Deck Height:	1.170 m	Rear Deck Length:	m
		Average:	1.180 m

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