

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

Plate number *(optional)* VIN/chassis number
7 A 9 E 2 0 0 1 0 M 2 0 2 3 1 3 6

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

Model *(optional)* **2022 E2001 PH** Log bolsters Towing connection Brakes

Certification category **HVS2** SRT PSV stability PSV rollover
 Swept path 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 = 33t

General drawing number(s) **Y2 = 35t / X2 = 4.21m**
LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1264

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
Inderjeet Singh

Inspector's name *(PRINT IN CAPS)* ID number
INDERJEET SINGH I S H

Date **02-03-2022** Number **794738**

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: Mainfreight Ltd
Address:
SRT Compliance Certificate no: S1264
Vehicle Identification No.(VIN): 7A9E20010M2023136
Vehicle chassis No: 2136
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: 11.280 metres
Maximum height of load or vehicle body: 4.30 metres
Front suspension type: User Defined
Rear suspension type: User Defined

I, **Inderjeet Singh 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 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	4.29

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 = 4.3 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):	12940	15100
Tare mass (kg):	3060	3900
Average load bed height (m):	1.073	
Average load height (m):	4.30	
Suspension type:	User Defined	User Defined
Suspension track width (m):	.994	.994
Lash (mm):	0	0
Suspension brand/model:	HENDRICKSON Intraxx AANL ZMD	HENDRICKSON Intraxx AANL ZMD
Roll stiffness/axle (Nm/radian):	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: *Inderjeet Singh*

Name: **Inderjeet Singh**

Vehicle Inspector/Inspecting Organisation No **ISH**

Date: **2/3/2022**

SRT Compliance Certificate no:

S1264

Print the Certificate

Finish

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

PDS



Date: 2/03/2022

Job Number: 8433

Certifier: Inderjeet Singh

ID: ISH

Client: Mainfreight Ltd

Vehicle Details

Make:	Domett	Model:	E2001 PH	Trailer GVM:	32000 kg
VIN number:	7A9E20010M2023136	Chassis Number	2136	Rego:	
				Hubo:	

Standards / Codes the design must comply with

41001

Component

SRT	<input checked="" type="checkbox"/>	Certificate Number	S1264	X1	4.3 m
				Y1	33 t
Load Type	Uniform Density			Y2	35 t
				X2	4.21 m

LT400

LT400 Number

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 the LTSA rule Vehicle Standards Compliance 2002 and the Deed of Appointment. To the best of my knowledge the information contained in this certificate is true and correct.

Certifier Signature:

Date:

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

SRT Worksheet



Date: 2/03/2022 ✓
 Certifier: Inderjeet Singh ✓
 Client: Mainfreight Ltd ✓

Job Number: 8433 ✓
 ID: ISH ✓
 Cert #: S1264 ✓

Vehicle Details			
Make:	Domett ✓	Model:	E2001 PH ✓
VIN number:	7A9E20010M2023136 ✓	Chassis Number	2136 ✓
Trailer GVM:	32000 kg ✓		
Rego:			
Hubo:			

Suspension Details			
Make:	Hendrickson ✓	Model:	Intraxx AANL ZMD ✓
Ride Height:	255 mm ✓	Fixed Steerer:	0 N/A

Dolly			
Number of Axles	2 ✓	Hanger Centres - Dolly	994 mm ✓
Tyre Size	265/70 R 19.5 ✓	Tyre Configuration	Dual ✓

Fixed			
Number of Axles	3 ✓	Hanger Centres - Fixed	994 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	<input checked="" type="checkbox"/>	Mixed Freight	<input type="checkbox"/>	Other	<input type="checkbox"/>
Masses		Front	Rear	Total	
Gross		16000 kg	19000 kg	35000 kg	
Tare		3060 kg	3900 kg	6960 kg	
Load Height Max		4.30 m	Payload Cog		m
Deck Length		11.280 m	Max Height	4.30 m	
Front Deck Height:		430+255+158+90+8+134+8+3 =		1.086 m	
Rear Deck Height:		430+255+372+8 =		1.060 m	
		Average		1.073 m	

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Manfreight

Logistic Solutions
Welcome To Agrifeeds Tauriko

Printed: 2-Mar
Exit Ticket 168167

PIN : DOM
Vehicle : DOM - DOMETTS
Tare : 6960 kg 6:38:02 am 2-Mar
Gross : 6960 kg 6:38:21 am 2-Mar

Net Wgt : 0 kg

Docket : 008433
Product : TEST PRODUCT

Suitable for lactating dairy animals
Have a great day!

Manfreight

Logistic Solutions
Welcome To Agrifeeds Tauriko

Printed: 2-Mar
Exit Ticket 168168

PIN : DOM
Vehicle : DOM - DOMETTS
Tare : 3900 kg 6:39:38 am 2-Mar
Gross : 3900 kg 6:39:45 am 2-Mar

Net Wgt : 0 kg

Docket : 008433
Product : TEST PRODUCT

Suitable for lactating dairy animals
Have a great day!