WAKA KOTAHI
NZ TRANSPORT AGENCY

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 inspecting organisation's name *(PRINT IN CAPS)*: INDERJEET SINGH

ID: ISH

Plate number *(optional)*:

VIN/chassis number: 7A9E4501XM2023104

Make: DOMETT

Model *(optional)*: 2021 E4501

Certification category: HVS2

Component being certified:

- [ ] Chassis
- [ ] Load anchorage
- [ ] Log bolsters
- [ ] Towing connection
- [ ] Brakes
- [X] 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 = 29t
Y2 = 34t / X2 = 4.04m
LOAD TYPE: UNIFORM DENSITY

General drawing number(s):

Supporting documents: SRT COMPLIANCE CERT # S1252A

Special conditions *(optional)*: S1252B - LOAD TYPE: OTHER (C.G)
X1=4.3m / Y1=20t - Y2=20t / X2=4.3m

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)*: INDERJEET SINGH

ID number: ISH

Date: 17-12-2021

Number: 794725

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:	**Hilton Haulage Ltd Partnership**
Address:	
SRT Compliance Certificate no:	**S1252A**
Vehicle Identification No.(VIN):	**7A9E4501XM2023104_**
Vehicle chassis No:	**2104**
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:	**10.500 metres**
Maximum height of load or vehicle body:	**4.30 metres**
Front suspension type:	**Generic Air High Stiffness**
Rear suspension type:	**Generic Air High Stiffness**

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 34 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 29.7 tonnes.

or (b) At maximum gross mass of 34 tonnes, the maximum allowable load height is 4.04 metres.

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

Gross Mass (tonnes)	Load Height (m)
34	4.04
33	4.09
32	4.15
31	4.2
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 = 34 tonnes / X2 = 4.04 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	17.5	Dual
2	17.5	Dual
3	17.5	Dual
4	17.5	Dual
5	17.5	Dual

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.078	.917
Deck length (m):	3.250	7.250

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	15000	19000
Payload mass (kg):	12220	14540
Tare mass (kg):	2780	4460
Average load bed height (m):	0.97	
Average load height (m):	4.30	
Suspension type:	Generic Air High Stiffness	Generic Air High Stiffness
Suspension track width (m):	0.98	0.98
Lash (mm):	95	95

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
Vehicle Inspector/Inspecting Organisation No **ISH**
SRT Compliance Certificate no:

Name: **Inderjeet Singh**
Date: **17/12/2021**
S1252A

Static Roll Threshold Compliance Certificate

Name of vehicle owner:	**Hilton Haulage Ltd Partnership**
Address:	
SRT Compliance Certificate no:	**S1252B**
Vehicle Identification No.(VIN):	**7A9E4501XM2023104_**
Vehicle chassis No:	**2104**
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:	**10.500 metres**
Maximum height of load or vehicle body:	**4.30 metres**
Front suspension type:	**Generic Air High Stiffness**
Rear suspension type:	**Generic Air High Stiffness**

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: Other Description: Uses a certifier calculated value for the payload Cg height.

At a max. load height of 4.3 metres and a max. allowable gross mass of 34 tonnes, the SRT is 0.27g
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 20.4 tonnes.

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

Gross Mass (tonnes)	Payload Cg Height (m)
34	2.51
33	2.53
32	2.56
31	2.59
30	2.62
29	2.66
28	2.69
27	2.73
26	2.78
25	2.82
24	2.87
23	2.92
22	2.98
21	3.05
20	3.12

Results of SRT test to be displayed on Certificate of Loading
X1 = 4.3 metres / Y1 = 20 tonnes ; Y2 = 20 tonnes / X2 = 4.30 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	17.5	Dual
2	17.5	Dual
3	17.5	Dual
4	17.5	Dual
5	17.5	Dual

Body Style is Standard

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	15000	19000
Payload mass (kg):	12220	14540
Tare mass (kg):	2780	4460
Average load bed height (m):	n/a	
Average load height (m):	4.30	
Payload Cg height(m):	3.1	
Suspension type:	Generic Air High Stiffness	Generic Air High Stiffness
Suspension track width (m):	0.980	0.980
Lash (mm):	95	95

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
Vehicle Inspector/Inspecting Organisation No **ISH**
SRT Compliance Certificate no:

Name: **Inderjeet Singh**
Date: **17/12/2021**
S1252B