

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 D 4 5 0 2 1 N 2 0 2 3 2 5 5

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

Model (optional) **2022 D4502** Log bolsters Towing connection Brakes

Certification category **HVS2** SRT PSV stability PSV rollover
 Swept path PBS

Description of work

CERTIFY SRT - 4 AXLE SEMI TRAILER

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

Component load rating(s)
X1 = 4.30m / Y1 = 25t

General drawing number(s)

Y2 = 26t / X2 = 4.23m
LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1358

Special conditions (optional)
AS ABOVE

Certification expiry date (if applicable)

OR

Hubdrometer reading (whichever comes first)

Declaration

Designer's ID (if different from inspector below)

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.

Inspector's signature

Kyle BosseLMann

Inspector's name (PRINT IN CAPS)
KYLE BOSSELMANN

ID number
K D B

Date
05-07-2023

Number
856182

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

Address:

SRT Compliance Certificate no:

SI358

Vehicle Identification No.(VIN):

7A9DD45021N2023255

Vehicle chassis No:

2255

Current vehicle registration:

Type of vehicle:

Semi-Trailer

No of axles in front set:

0

No of axles in rear set:

4

Deck length of vehicle:

13.84 metres

Maximum height of load or vehicle body:

4.3 metres

Front suspension type:

none

Rear suspension type:

User Defined

I, **Kyle Bosselmann of Donnett 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 26 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 25.1 tonnes.
or (b) At maximum gross mass of 26 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)
26	4.23
25	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 = 25 tonnes ; Y2 = 26 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
4	19.5	Dual

Body Style is Standard

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	26000
Payload mass (kg):	19520
Tare mass (kg):	6480
Average load bed height (m):	1.175
Average load height (m):	4.3
Suspension type:	User Defined
Suspension track width (m):	.88
Lash (mm):	91.25
Suspension brand/model:	x3 IU25/2000RZ x1 Generic High
Roll stiffness/axle (Nm/radian):	1095000
Spring stiffness/spring (N/m):	440000
Roll centre height from axle (m):	0.088

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: **5/7/2023**

SRT Compliance Certificate no:

S1358