

Heavy vehicle specialist certificate

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 E 1 5 0 1 3 N 2 0 2 3 2 4 5

Make
DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)
2023 E1501

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 = 32t

General drawing number(s)

Y2 = 35t / X2 = 4.21m

LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1347

Special conditions (optional)
AS ABOVE

Certification expiry date (if applicable)

OR

Hubodometer 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

Inspector's name (PRINT IN CAPS)
KYLE BOSSELMANN

ID number
K D B

Date
16-05-2023

Number
856170

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:

McLeods Hiabs

Address:

SRT Compliance Certificate no:

S1347

Vehicle Identification No.(VIN):

7A9E15013N2023245

Vehicle chassis No:

2245

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:

10.4 metres

Maximum height of load or vehicle body:

4.3 metres

Front suspension type:

User Defined

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 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 32.9 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	4.28
32	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 = 32 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):	12960	15560
Tare mass (kg):	3040	3440
Average load bed height (m):		1.133
Average load height (m):		4.3
Suspension type:	User Defined	User Defined
Suspension track width (m):	.98	.98
Lash (mm):	85	85
Suspension brand/model:	ROR SL9 Top Mount	ROR SL9 Top Mount
Roll stiffness/axle (Nm/radian):	2410000	2410000
Spring stiffness/spring (N/m):	207900	207900
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: 

Name: **Kyle Bosselmann**

Vehicle Inspector/Inspecting Organisation No **KDB**

Date: **16/5/2023**

SRT Compliance Certificate no:

S1347