

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)*
MATTHEW CONNOLLY

ID
MHC

Vehicle registration *(optional)*
VIN/chassis number
7 A 9 E 2 5 0 1 9 L 2 0 2 3 0 0 3

Make
DOMETT

Component being certified: Chassis Load anchorage

Model *(optional)*
2020 E2501 H

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 = 28t

General drawing number(s)

Y2 = 35t / X2 = 3.97m
LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1176

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)* ID number
MATTHEW CONNOLLY M H C

Date
26-01-2021

Number
752399

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: BM Coles Ltd
Address:
SRT Compliance Certificate no: S1176
Vehicle Identification No.(VIN): 7A9E25019L2023003
Vehicle chassis No: 2003
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: 10.365 metres
Maximum height of load or vehicle body: 4.30 metres
Front suspension type: User Defined
Rear suspension type: User Defined

I, **Matthew Connolly 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 0.32g
 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 28.6 tonnes.
 - or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.97 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 3.97 |
| 34 | 4.02 |
| 33 | 4.06 |
| 32 | 4.11 |
| 31 | 4.16 |
| 30 | 4.21 |
| 29 | 4.27 |
| 28 | 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 = 28 tonnes ; Y2 = 35 tonnes / X2 = 3.97 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): | 13280 | 15900 |
| Tare mass (kg): | 2720 | 3100 |
| Average load bed height (m): | 1.04 | |
| Average load height (m): | 4.30 | |
| Suspension type: | User Defined | User Defined |
| Suspension track width (m): | 0.94 | 0.94 |
| Lash (mm): | 90 | 90 |
| Suspension brand/model: | SAF Intradisc IU28/2005RZ | SAF Intradisc IU28/2005RZ |
| Roll stiffness/axle (Nm/radian): | 1200000 | 1200000 |
| Spring stiffness/spring (N/m): | 470000 | 470000 |
| 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: **Matthew Connolly**

Vehicle Inspector/Inspecting Organisation No **MHC**

Date: **26/1/2021**

SRT Compliance Certificate no:

S1176