

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)*
CAMERON HARRIS ID **CNH**

Plate number *(optional)* VIN/chassis number
7 A 9 E 1 5 0 1 9 N 2 0 2 3 2 1 7

Make **DOMETT** Component being certified: Chassis Load anchorage
Model *(optional)* **2022 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
Y2 = 35t / X2 = 4.20m
General drawing number(s) **LOAD TYPE: UNIFORM DENSITY**

Supporting documents
SRT COMPLIANCE CERT # S1312

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
CAMERON HARRIS ID number **C N H**
Date **30-11-2022** Number **827735**

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: McLeod Cranes
Address:
SRT Compliance Certificate no: S1312
Vehicle Identification No.(VIN): 7A9E15019N2023217
Vehicle chassis No: 2217
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, Cameron Harris 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 4.2 metres.

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

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 4.2 |
| 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 = 4.2 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 | 15580 |
| Tare mass (kg): | 3060 | 3420 |
| Average load bed height (m): | 1.134 | |
| Average load height (m): | 4.3 | |
| Suspension type: | User Defined | User Defined |
| Suspension track width (m): | 0.98 | 0.98 |
| Lash (mm): | 85 | 85 |
| Suspension brand/model: | ROR SL9T | ROR SL9T |
| 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: **Cameron Harris**

Vehicle Inspector/Inspecting Organisation No **CNH**

Date: **30/11/2022**

SRT Compliance Certificate no:

S1312