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|---|------------|
| Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name <small>(PRINT IN CAPS)</small> | ID |
| CAMERON HARRIS | CNH |

| | |
|--|--|
| Vehicle registration <small>(optional)</small> | VIN/chassis number |
| | 7 A 9 D 1 5 0 1 4 K 1 0 2 3 8 2 0 |
| Make | Component being certified: |
| DOMETT | <input type="checkbox"/> Chassis <input type="checkbox"/> Load anchorage |
| Model <small>(optional)</small> | <input type="checkbox"/> Log bolsters <input type="checkbox"/> Towing connection <input type="checkbox"/> Brakes |
| 2019 D1501 | <input checked="" type="checkbox"/> SRT <input type="checkbox"/> PSV stability <input type="checkbox"/> PSV rollover |
| Certification category | <input type="checkbox"/> Swept path <input type="checkbox"/> PBS |
| HVS2 | |

Description of work

CERTIFY SRT - 4 AXLE FULL TRAILER

| | |
|---------------------------------|-----------------------------------|
| Code/standard/rule certified to | Component load rating(s) |
| NZTA RULE 41001:2016 | X1 = 4.3m / Y1 = 27t |
| General drawing number(s) | Y2 = 32t / X2 = 4.09m |
| | LOAD TYPE: UNIFORM DENSITY |

Supporting documents

SRT COMPLIANCE CERT # S1029

Special conditions (optional)

AS ABOVE

| | |
|--|---|
| Certification expiry date <small>(if applicable)</small> | or Hubodometer reading <small>(whichever comes first)</small> |
| | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

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

CAMERON HARRIS **C N H**

Date Number

11-04-2019 **680004**

| | | |
|---|--|------|
| CoF vehicle inspector ID <small>(if applicable)</small> | CoF vehicle inspector signature <small>(if applicable)</small> | Date |
| | | |

All fields are mandatory unless otherwise stated.

DOMETT TRUCK & TRAILER LTD**Physical Address**

189 Kennedy Road
Tauriko Business Estate
Tauriko

Postal Address

PO Box 9458
Greerton
Tauranga



PHONE 07 575 5139

FAX 07 575 5137

www.domett-trailers.co.nz

Static Roll Threshold Compliance Certificate

Name of vehicle owner: CHH

Address:

SRT Compliance Certificate no: S1029

Vehicle Identification No.(VIN): 7A9D15014K1023820

Vehicle chassis No: 1820

Current vehicle registration:

Type of vehicle: Full-Trailer

No of axles in front set: 2 **No of axles in rear set:** 2

Deck length of vehicle: 9.5 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 32 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 27.5 tonnes.
- or (b) At maximum gross mass of 32 tonnes, the maximum allowable load height is 4.09 metres.

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

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 32 | 4.09 |
| 31 | 4.13 |
| 30 | 4.17 |
| 29 | 4.21 |
| 28 | 4.26 |
| 27 | 4.3 |

Note: Calculated load heights greater than the legal limit of 4.30m have been set to 4.30m

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| Results of SRT test to be displayed on Certificate of Loading |
| X1 = 4.3 metres / Y1 = 27 tonnes ; Y2 = 32 tonnes / X2 = 4.09 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 | Front | Rear |
|-----------------------------------|--------------|--------------|
| Gross mass (kg): | 16000 | 16000 |
| Payload mass (kg): | 13260 | 13540 |
| Tare mass (kg): | 2740 | 2460 |
| Average load bed height (m): | 1.135 | |
| Average load height (m): | 4.3 | |
| Suspension type: | User Defined | User Defined |
| Suspension track width (m): | 0.98 | 0.98 |
| Lash (mm): | 104 | 104 |
| Suspension brand/model: | ROR CS9T | ROR CS9T |
| Roll stiffness/axle (Nm/radian): | 2197000 | 2197000 |
| Spring stiffness/spring (N/m): | 128000 | 128000 |
| Roll centre height from axle (m): | 0.035 | 0.035 |

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: Cameron Harris

Vehicle Inspector/Inspecting Organisation No CNH

SRT Compliance Certificate no:

Name: **Cameron Harris**

Date: **11/4/2019**

S1029