NZ TRANSPORT AGENCY
WAKA KOTAHI

# Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

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

ID: CNH

Vehicle registration *(optional)*:

VIN/chassis number: 7A9E20010XJ102376 1

Make: DOMETT

Component being certified:
- [ ] Chassis
- [ ] Load anchorage
- [ ] Log bolsters
- [ ] Towing connection
- [ ] Brakes
- [X] SRT
- [ ] PSV stability
- [ ] PSV rollover
- [ ] Swept path
- [ ] PBS

Model *(optional)*: 2018 E2001 H

Certification category: HVS2

Description of work: CERTIFY SRT - 5 AXLE FULL TRAILER

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

Component load rating(s): X1 = 4.3m / Y1 = 30t
Y2 = 35t / X2 = 4.05m
LOAD TYPE: UNIFORM DENSITY

General drawing number(s):

Supporting documents: SRT COMPLIANCE CERT # S983

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)*: CAMERON HARRIS

ID number: CNH

Date: 11-10-2018

Number: 656456

| CoF vehicle inspector ID *(if applicable)* | CoF vehicle inspector signature *(if applicable)* | Date |
|---|---|---|
| | | |

**All fields are mandatory unless otherwise stated.**

## 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): | 12660 | 14700 |
| Tare mass (kg): | 3340 | 4300 |
| Average load bed height (m): | 1.08 | |
| Average load height (m): | 4.3 | |
| Suspension type: | User Defined | User Defined |
| Suspension track width (m): | 0.940 | 0.940 |
| Lash (mm): | 90 | 90 |
| Suspension brand/model: | Saf Intradisc IU28/2005RZ-68A | Saf Intradisc IU28/2005RZ-68A |
| 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: _____

Vehicle Inspector/Inspecting Organisation No **CNH**

SRT Compliance Certificate no:

Name: **Cameron Harris**

Date: **11/10/2018**

S983

**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:** | **SCS Transport** |
| **Address:** | |
| **SRT Compliance Certificate no:** | **S983** |
| **Vehicle Identification No.(VIN):** | **7A9E2001XJ1023761** |
| **Vehicle chassis No:** | **1761** |
| **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:** | **12.18 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 0.33g
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 30.6 tonnes.
or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.05 metres.
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---|---|
| 35 | 4.05 |
| 34 | 4.1 |
| 33 | 4.15 |
| 32 | 4.2 |
| 31 | 4.26 |
| 30 | 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 = 30 tonnes ; Y2 = 35 tonnes / X2 = 4.05 metres. |

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.12c