

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

| | | | CNH |
|--|--|--|---|
| Vehicle registration (optional) | VIN/chassis number | | 102381 |
| Make | Component being ce | 1 | Load ancho |
| DOMETT | Į , | *************************************** | |
| Model (optional) 2019 E2501 | Log bolsters | Towing conn | |
| Certification category | X SRT | PSV stability | PSV rollove |
| HVS2 Description of work | Swept path | PBS | |
| | | | |
| CERTIFY SRT - 5 AXLE FI | ULL TRAILER | have a server a server and a se | seenraannaneer rinaennin oo ee mooraran maenee seer ranno ee mooraran doorad diskubbiild did did did did did d T |
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| | | | |
| Code/standard/rule certified to | | Component load rating(s) | |
| NZTA RULE 41001:2016 | | X1 = 4.3 m / Y1 | |
| General drawing number(s) | | Y2 = 35t / X2 = | · |
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| | | LOAD TYPE: U | JNIFORM DENSIT |
| Supporting documents | <u></u> ! S1019 | LOAD TYPE: U | JNIFORM DENSIT |
| Supporting documents SRT COMPLIANCE CERT # | <u>S1019</u> | LOAD TYPE: U | JNIFORM DENSIT |
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LT400

New Zealand Government Form ID

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



Static Roll Threshold Compliance Certificate

Name of vehicle owner:

Ellesmere

Address:

SRT Compliance Certificate no:

S1019

Vehicle Identification No.(VIN):

7A9E25013K1023812

Vehicle chassis No:

1812

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:

10.37 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 0.32g 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 28.4 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.97 metres.

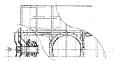
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

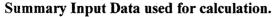
| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 3.97 |
| 34 | 4.01 |
| 33 | 4.05 |
| 32 | 4.1 |
| 31 | 4.14 |
| 30 | 4.2 |
| 29 | 4.25 |
| 28 | 4.3 |

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 | |
|---|--|
| $X_1 = 4.3 \text{ metres} / Y_1 = 28 \text{ tonnes} : Y_2 = 35 \text{ tonnes} / X_2 = 3.97 \text{ metres}.$ | |

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





Tyre Data:

| | A STATE OF THE STA | | All the second section of the s |
|----------|--|-------------|--|
| - 620 | Axle | Tyre Size: | Tyre Configuration: |
| 000 | | 19.5 | Dual |
| 1310 | 2 5812 | 19.5 | Dual |
| | 3 | 19.5 | Dual |
| | A 4 | 19.5 | Dual |
| | 5-5 | 19.5 | Dual |
| 40 | | | |

Body Style is Standard

Mass and Suspension Data:

| Inputs | Front | Rear |
|----------------------------------|---------------------|---------------------|
| Gross mass (kg): | 16000 | 19000 |
| Payload mass (kg): | 13340 | 15980 |
| Tare mass (kg): | 2660 | 3020 |
| Average load bed height (m): | 1.04 | |
| Average load height (m): | 4 | .3 |
| Suspension type: | User Defined | User Defined |
| Suspension track width (m): | 0.94 | 0.94 |
| Lash (mm): | 90 | 90 |
| Suspension brand/model: | SAF 1U25/2000RZ-68A | SAF IU25/2000RZ-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: 26/2/2019

S1019