

# Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation  
*Heavy vehicle specialist inspector and inspecting organisation*

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

**CAMERON HARRIS** **CNH**

Vehicle registration *(optional)* VIN/chassis number

7 A 9 E 3 5 0 1 8 H 1 0 2 3 6 6 5

Make Component being certified:

**DOMETT**  Chassis  Load anchorage

Model *(optional)*  Log bolsters  Towing connection  Brakes

**2017 E3501 PH**  SRT  PSV stability  PSV rollover

Certification category  Swept path  PBS

**HVS2**

Description of work

**CERTIFY SRT - 5 AXLE FULL TRAILER**

Code/standard/rule certified to Component load rating(s)

**NZTA RULE 41001:2016** **X1 = 4.3m / Y1 = 32t**

General drawing number(s) **Y2 = 35t / X2 = 4.19m**

**LOAD TYPE: UNIFORM DENSITY**

Supporting documents

**SRT COMPLIANCE CERT # S905**

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

**CAMERON HARRIS** **CNH**

Date Number

**08-11-2017** **602727**

CoF vehicle inspector ID CoF vehicle inspector signature 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:** East Coast Bulk  
**Address:**  
**SRT Compliance Certificate no:** S905  
**Vehicle Identification No.(VIN):** 7A9E35018H1023665  
**Vehicle chassis No:** 1665  
**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:** 8.4 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 32.7 tonnes.
  - or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.19 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35                  | 4.19            |
| 34                  | 4.24            |
| 33                  | 4.27            |
| 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 = 4.19 metres. |

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.10c

**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 Sloping deck**

| Inputs               | Front | Rear |
|----------------------|-------|------|
| Load bed height (m): | 1.28  | 1.08 |
| Load height (m):     | 4.3   | 4.3  |

**Mass and Suspension Data:**

| Inputs                            | Front        | Rear         |
|-----------------------------------|--------------|--------------|
| Gross mass (kg):                  | 16000        | 19000        |
| Payload mass (kg):                | 12620        | 15460        |
| Tare mass (kg):                   | 3380         | 3540         |
| Average load bed height (m):      | 1.18         |              |
| 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 SL9TSA   | ROR SL9TSA   |
| Roll stiffness/axle (Nm/radian):  | 241000       | 241000       |
| 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:   
 Vehicle Inspector/Inspecting Organisation No CNH  
 SRT Compliance Certificate no:

Name: **Cameron Harris**  
 Date: **8/11/2017**  
 S905