

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

Vehicle registration (optional) \_\_\_\_\_ VIN/chassis number **7 A 9 C 2 0 0 3 5 M 2 0 2 3 0 8 9**

Make **DOMETT** Component being certified:  Chassis  Load anchorage

Model (optional) **2021 C2003 PH**  Log bolsters  Towing connection  Brakes

Certification category **HVS2**  SRT  PSV stability  PSV rollover

Swept path  PBS

Description of work  
**CERTIFY SRT - 3 AXLE SEMI TRAILER**

Code/standard/rule certified to **NZTA RULE 41001:2016** Component load rating(s) **X1 = 4.30m / Y1 = 19t**

General drawing number(s) \_\_\_\_\_ **Y2 = 19t / X2 = 4.30m**  
**LOAD TYPE: UNIFORM DENSITY**

Supporting documents **SRT COMPLIANCE CERT # S1209B**  
**INCLUDES IMPOSED TARE FROM REAR UNIT**


Special conditions (optional) **S1209A (FRONT UNIT ONLY) X1=4.3m / Y1= 16t ; Y2 = 19t / 4.07m**

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 **17-06-2021** Number **773781**

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: Triple H Haulage  
Address:  
SRT Compliance Certificate no: S1209A  
Vehicle Identification No.(VIN): 7A9C20035M2023089  
Vehicle chassis No: 2089  
Current vehicle registration:  
Type of vehicle: Semi-Trailer  
No of axles in front set: 0 No of axles in rear set: 3  
Deck length of vehicle: 8.23 metres  
Maximum height of load or vehicle body: 4.3 metres  
Front suspension type: none  
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 19 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 16.6 tonnes.  
or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.07 metres.  
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 19                  | 4.07            |
| 18                  | 4.16            |
| 17                  | 4.25            |
| 16                  | 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 = 16 tonnes ; Y2 = 19 tonnes / X2 = 4.07 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                |

Body Style is Step deck

| Inputs               | Front | Rear  |
|----------------------|-------|-------|
| Load bed height (m): | 1.42  | 1.055 |
| Deck length (m):     | 4.15  | 4.08  |

### Mass and Suspension Data:

| Inputs                            | Rear          |
|-----------------------------------|---------------|
| Gross mass (kg):                  | 19000         |
| Payload mass (kg):                | 15340         |
| Tare mass (kg):                   | 3660          |
| Average load bed height (m):      | 1.24          |
| Average load height (m):          | 4.3           |
| Suspension type:                  | User Defined  |
| Suspension track width (m):       | 0.94          |
| Lash (mm):                        | 90            |
| Suspension brand/model:           | SAF IU25/2000 |
| Roll stiffness/axle (Nm/radian):  | 1200000       |
| Spring stiffness/spring (N/m):    | 470000        |
| Roll centre height from axle (m): | 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: **17/6/2021**

SRT Compliance Certificate no:

**S1209A**

# Static Roll Threshold Compliance Certificate

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**Name of vehicle owner:** Triple H Haulage  
**Address:**  
**SRT Compliance Certificate no:** S1209B  
**Vehicle Identification No.(VIN):** 7A9C20035M2023089  
**Vehicle chassis No:** 2089  
**Current vehicle registration:**  
**Type of vehicle:** Semi-Trailer  
**No of axles in front set:** 0      **No of axles in rear set:** 3  
**Deck length of vehicle:** 8.23 metres  
**Maximum height of load or vehicle body:** 4.3 metres  
**Front suspension type:** none  
**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 19 tonnes, the SRT is 0.35g  
This vehicle meets or exceeds the minimum SRT target of 0.35g.

|  |
|--|
| Results of SRT test to be displayed on Certificate of Loading        |
| X1 = 4.3 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 4.3 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                |

**Body Style is Step deck**

| Inputs               | Front | Rear  |
|----------------------|-------|-------|
| Load bed height (m): | 1.42  | 1.055 |
| Deck length (m):     | 4.15  | 4.08  |

**Mass and Suspension Data:**

| Inputs                            | Rear          |
|-----------------------------------|---------------|
| Gross mass (kg):                  | 19000         |
| Payload mass (kg):                | 13840         |
| Tare mass (kg):                   | 5160          |
| Average load bed height (m):      | 1.24          |
| Average load height (m):          | 4.3           |
| Suspension type:                  | User Defined  |
| Suspension track width (m):       | 0.94          |
| Lash (mm):                        | 90            |
| Suspension brand/model:           | SAF IU25/2000 |
| Roll stiffness/axle (Nm/radian):  | 1200000       |
| Spring stiffness/spring (N/m):    | 470000        |
| Roll centre height from axle (m): | 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: **17/6/2021**

SRT Compliance Certificate no:

**S1209B**