

DESIGN CERTIFICATE - TRAILER GVM

Certificate No. G 160

VEHICLE MAKE : DOMETT

MODEL : D2501

SERIAL/CHASSIS No : 217

V.I.N. No. : 7A9D25018Y0023217

REGISTRATION No. :

OWNER/OPERATOR : HEIKELL TRANSPORT (1993) LIMITED

I, Andrew van Kampen, certify that the above trailer has been manufactured from drawing no's. Q 1080 SERIES

And it is my belief that the material quality, welding and workmanship are in accordance with those drawings.

I also certify that the above drawings are based on normal principles of mechanical design and in my opinion calculated stresses are such that the above trailer is suitable for a Maximum Gross Vehicle Mass of 29,000kg.

Signed..... *Andrew van Kampen* Date *13-12-2000*

Approved Certifying Engineer No AVK - HVEC

This certificate is only valid if the signature is original and may be withdrawn if,

- A) The vehicle is not operated within current legal limits and within the limits specified on this certificate.
- B) Changing circumstances/regulation render this certificate invalid.
- C) The vehicle is involved in an accident.
- D) The vehicle/structure is not maintained to accepted standards.
- E) Repairs or modifications are made subsequent to the issue of this certificate.

Unless otherwise stated above, this certificate expires ten years after the date of issue.

DESIGN CERTIFICATE - LOAD ANCHORAGE

Certificate No. L 164

VEHICLE MAKE : DOMETT

MODEL : D2501

SERIAL/CHASSIS No : 217

V.I.N. No. : 7A9D25018Y0023217

REGISTRATION No. :

OWNER/OPERATOR : HEIKELL TRANSPORT (1993) LIMITED

I, Andrew van Kampen, certify that Load Anchorage Points have been fitted to the above vehicle according to drawing no's. Q 1080 - L

And it is my belief that the material quality, welding and workmanship are in accordance with those drawings.

I also certify that the design of the Load Anchorage Points and the above drawings are based on the requirements of NZS 5444 : 1989 LOAD ANCHORAGE POINTS FOR HEAVY VEHICLES.

LOAD ANCHOR POINT RATINGS		
TYPE	No. PER SIDE	RATING
25mm PIPE RAIL	18 SPANS	500kg EACH
25mm PIPE AT DROPPERS	17	2,600kg EACH
10mm COAMING RAIL	CONTINUOUS	5 x 5,000kg

Special Conditions :

- 1) Pipe rail rating over 500kg only applies with lashing against Dropper/Support.
- 2) Vehicle intended for transportation of livestock with an attached stock crate. The load anchorages fitted do **NOT** fully comply with NZS 5444 for general freight.
- 3) Coaming rail rating applies for use with stock crate J-Hooks complying with NZS 5413, 5 per side spaced evenly at 2000-2400mm.

Signed.....  Date..... 13-12-2000

Approved Certifying Engineer No AVK - HVEA

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- B) Changing circumstances/regulation render this certificate invalid.
- C) The vehicle is involved in an accident.
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DESIGN CERTIFICATE - TOWING CONNECTION

Certificate No. D 358

VEHICLE MAKE : DOMETT

MODEL : D2501

SERIAL/CHASSIS No : 217

V.I.N. No. : 7A9D25018Y0023217

REGISTRATION No. :

OWNER/OPERATOR : HEIKELL TRANSPORT (1993) LIMITED

I, Andrew van Kampen, certify that the drawbar/~~drawbeam~~ and its attachments as fitted to the above vehicle, has been manufactured according to drawing no's Q 1080 - T

And it is my belief that the material quality, welding and workmanship are in accordance with those drawings. The welding has been carried out by W Yorke whose qualification NZS 4711 GD expires on 03/11/2001.

I also certify that the design of the drawbar/~~drawbeam~~ and the above drawings are based on the requirements of NZS 5446:1987 HEAVY MOTOR VEHICLE TOWING CONNECTIONS: DRAWBAR TRAILERS, for a Maximum Towed Mass of 29,000kg, subject to the following special conditions, ~~Drawbeam assembly not rated for vertical loading.~~

Certificate Expiry Date : 07/12/2010

Signed.......... Date.....13-12-2000.....

Approved Certifying Engineer No AVK - HVET

The drawbar/~~drawbeam~~ is identified by a rating plate as illustrated overleaf.

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- C) The vehicle is involved in an accident.
- D) The vehicle/structure is not maintained to accepted standards.
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Static Roll Threshold Compliance Certificate

Name of vehicle owner: Heikell Transport
Address: Edgecumbe
SRT Compliance Certificate no: S109
Vehicle Identification No.(VIN): 7A9D25018Y0023217
Vehicle chassis No: 217
Current vehicle registration: 5168T
Type of vehicle: Full-Trailer
No of axles in front set: 2 No of axles in rear set: 2
Deck length of vehicle: 8.84 metres
Maximum height of load or vehicle body: 4.25 metres
Front suspension type: User Defined
Rear suspension type: User Defined

I, Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui certify that at the time of inspection the vehicle mentioned 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 maximum load height of 4.25 metres and a maximum allowable gross mass of 24 tonnes, the SRT is 0.35g

This vehicle exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading

X1 = 4.25 metres / Y1 = 24 tonnes ; Y2 = 24 tonnes / X2 = 4.25 metres.

The type of test carried out to establish this rating was:

- (i) ~~Filt table~~
- (ii) LTSA SRT Calculator Version 1.2c
- (iii) ~~other as follows:~~

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

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	12000	12000
Payload mass (kg):	8180	8160
Tare mass (kg):	3820	3840
Load bed height (m):	1.07	1.07
Load height (m):	4.25	4.25
Suspension type:	User Defined	User Defined
Suspension track width (m):	.965	.965
Lash (mm):	35	35
Suspension brand/model:	REYCO 21B 0079-02	REYCO 21B 0079-02
Roll stiffness/axle (Nm/radian):	880997	880997
Spring stiffness/spring (N/m):	1891274	1891274
Roll centre height from axle (m):	0.216	0.216

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: Bruce Sutton

Name: **Bruce Sutton**

Vehicle Inspector/Inspecting Organisation No
BJS

Date: **17/3/2003**

SRT Compliance Certificate no:

S109

Special Conditions / Notes:

The mass and height values shown above are based on a trailer platform height of 1.07 metres and a spring lash of 35mm.

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- Changing circumstances / regulations render this certificate invalid.
- The vehicle is involved in an accident.
- The vehicle / structure is not maintained to accepted standards.
- Unauthorized repairs or modifications are made subsequent to the issue of this certificate.