

002 9:50 11/12/2000 DOMETT4A.DT4
 STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : FULL TRAILER
 MAKE : DOMETT. MODEL : D2501.
 SERIAL NUMBER : 217. GVM (on road) : 29,000 Kg.
 GVM (off road) : 29,000 Kg. GCM : N/A.
 UNLADEN CoG HEIGHT : 0.750 WHEELBASE : 5.810
 UNLADEN MASS, FRONT : 2.500 UNLADEN MASS, REAR : 2.300
 PAYLOAD : 24.20
 PAYLOAD CoG HEIGHT : 2.600 POSITION : 2.930 RANGE :
 FRONT SUSPENSION TYPE : DUAL AXLE REAR SUSPENSION TYPE : DUAL AXLE
 REACTIVE/NONREACTIVE : REACTIVE. REACTIVE/NONREACTIVE : REACTIVE.
 SYSTEM PRESSURE: MAXIMUM OPERATING Pm : N/A.
 GOVERNOR CUTIN Pg : N/A.
 TIME Pg to Pm : N/A.

| AXLE | COUPLING THRESHOLD kPa | BRAKE FORCE kN/kPa | TYRE SIZE mm | FRICTION MATERIAL | | |
|------|---------------------------|-----------------------|-----------------|-------------------|------------|-------|
| | | | | MAKE | ID NUMBER | COF |
| 1 | 71.33 | 0.103 | 408.0 | FERODO. | NAB048 FF. | 0.380 |
| 2 | 71.33 | 0.103 | 408.0 | FERODO. | NAB048 FF. | 0.380 |
| 3 | 58.98 | 0.067 | 408.0 | FERODO. | NAB048 FF. | 0.380 |
| 4 | 58.98 | 0.067 | 408.0 | FERODO. | NAB048 FF. | 0.380 |

| AXLE | BRAKE TYPE | DRUM DIAMETER | CHAMBER SIZE | SLACK LENGTH | SPRING FORCE |
|------|---------------|---------------|--------------|--------------|--------------|
| 1 | S, CAM. (IMT) | 381.0 | 140.6 | 152.4 | 0.000 |
| 2 | S, CAM. (IMT) | 381.0 | 140.6 | 152.4 | 0.000 |
| 3 | S, CAM. (IMT) | 381.0 | 140.6 | 152.4 | 5.940 |
| 4 | S, CAM. (IMT) | 381.0 | 140.6 | 152.4 | 5.940 |

TRAILER

| VALVE TYPE | MAKE | MODEL/VERSION |
|---------------------|---------|-----------------------|
| RELAY 1 | BENDIX. | R-12 (38KPA CRACK) |
| RELAY 2 | BENDIX. | R-12 (28KPA CRACK) |
| SPRING BRAKE VALVE | BENDIX. | SR-5 P/No: 102831. |
| QUICK RELEASE VALVE | N/A. | N/A. |
| PILOT | BENDIX. | SC-3 (TANK PROTEC) |
| OTHER | BENDIX. | F.R.V. RATIO SET @62% |
| OTHER | BENDIX. | PP-V EMERG RELEASE |

I, the undersigned do hereby certify that the vehicle identified above complies with all requirements of the current New Zealand Heavy Vehicle Brake Code.

Date : 11/12/2000. Signed : *R. A. Finch*

Certifier's Identification

Name : R.A.FINCH. (RF) Phone : (07) 347-7872.
 Postal Address : BNT COMMERCIAL. Fax : (07) 346-1566.
 : P.O.Box 233.
 : ROTORUA.
 Position : HVEB CERTIFIER. (R.F)

Modification

I, the undersigned do hereby re-certify the vehicle identified above, as modified complies with all requirements of the current New Zealand Heavy Vehicle Brake Code.

Date : Signed :

Certifier's Identification

Name : Phone :
 Postal Address : Fax :

 Position:

002 9:46 11/12/2000 DOMETT4A.DT4

HEIKELL TRANSPORT (1993) LTD, WHAKATANE.
DOMETT 4 AXLE LIVESTOCK TRAILER.

Job/No: 1080, S/No: 217, Rego:

Vin/No: 7A9D25018Y0023217.

VEHICLE TYPE : FULL TRAILER
FRONT SUSPENSION TYPE : DUAL AXLE
REAR SUSPENSION TYPE : DUAL AXLE

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.500 tonnes
TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.300 tonnes
VEHICLE WHEELBASE : 5.810 m
CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.750 m
MASS OF THE LOAD ON THE VEHICLE : 24.20 tonnes
LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.930 m
HEIGHT OF THE LOAD CoG ABOVE GROUND : 2.600 m

Laden mass on the front suspension = 14.49

Laden mass on the rear suspension = 14.50

| AXLE TYPE | NO. OF VALVES | RATIO VALVE | INSHOT PRESSURE | RATIO OUT/IN | COUPLING PRESSURE 100Nm DRUM TORQUE |
|-----------|---------------|-------------|-----------------|--------------|-------------------------------------|
|-----------|---------------|-------------|-----------------|--------------|-------------------------------------|

| | | | | | |
|---|---|---|-------|-------|-------|
| 1 | 1 | 0 | 0.000 | 0.000 | 71.33 |
| 2 | 2 | 1 | 70.00 | 0.620 | 58.98 |

| AXLE TYPE | VALVE NO. | CRACKING PRESSURE | PRESSURE IN kPa | PRESSURE OUT kPa |
|-----------|-----------|-------------------|-----------------|------------------|
|-----------|-----------|-------------------|-----------------|------------------|

| | | | | |
|---|---|-------|-------|-------|
| 1 | 1 | 38.00 | 800.0 | 800.0 |
| 2 | 1 | 0.000 | 650.0 | 429.6 |
| 2 | 2 | 28.00 | 275.0 | 279.0 |

| AXLE TYPE | LINING CoF | CHAMBER AREA cm ² | ADJUSTER LENGTH mm | TYRE RADIUS mm | BRAKE DRUM RADIUS mm |
|-----------|------------|------------------------------|--------------------|----------------|----------------------|
|-----------|------------|------------------------------|--------------------|----------------|----------------------|

| | | | | | |
|---|-------|-------|-------|-------|-------|
| 1 | 0.380 | 140.6 | 152.4 | 408.0 | 190.5 |
| 2 | 0.380 | 140.6 | 152.4 | 408.0 | 190.5 |

| AXLE TYPE | S-CAM RADIUS mm | % BRAKE EFFICIENCY | CHAMBER PRESSURE 100Nm DRUM TQUE. |
|-----------|-----------------|--------------------|-----------------------------------|
|-----------|-----------------|--------------------|-----------------------------------|

| | | | |
|---|-------|-------|-------|
| 1 | 13.09 | 0.850 | 35.00 |
| 2 | 13.09 | 0.850 | 35.00 |

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 5.19kN/tonne

| AXLE NO. | AXLE TYPE | EMERGENCY PRESSURE kPa | PARKING FORCE kN |
|----------|-----------|------------------------|------------------|
| 1 | 1 | 345.0 | 0.000 |
| 2 | 1 | 345.0 | 0.000 |
| 3 | 2 | 345.0 | 5.940 |
| 4 | 2 | 345.0 | 5.940 |

STOPPING DISTANCE FOR EMERGENCY PRESSURE = 8.09 m

STOPPING DISTANCE FOR SPRING BRAKES = 12.99 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 3.53 SLOPE

HEIKELL TRANSPORT (1993) LTD, WHAKATANE.

