

# BRAKE CODE WORK SHEET

CERTIFICATE No

9809406

CUSTOMER NAME

DOMETT TRUCK & TRAILER

CUSTOMER ORDER No

T79

DATE RECEIVED

22 SEP 98

VEHICLE TYPE

4 AXLE TRAILER

REG No

CHASSIS No

095

## CHANGES REQUIRED FOR COMPLIANCE WITH NZHVBC

BRAKE CHAMBERS

TYPE 24 & 24/30 @ 150

BRAKE VALVES

SET RATIO VALVE @ 75% & 4 TEST POINTS.

FRICITION LINING

6mm INT. FERODO NAB 718 @ 0.38

OTHER

NOTES

PACKING SLIP No

334137

BRAKE DRAWING REF

SIGNED:



DATE:

25 SEP 98

Brian Laing  
Transport Specialties Ltd  
PO Box 77-064  
Mt Albert, Auckland  
LTSA Certifier #1055

TRANSPORT SPECIALITIES LTD  
949 NEW NTH RD  
MT ALBERT, AUCKLAND  
TELEPHONE (09) 8469189  
FAX (09) 8463441



TO: DOMET TRUCK & TRAILER

DATE: 20 SEP 98

ATTENTION: ANDREW VAN KAMMEN

FROM: BRIAN LAING

PAGE 1 of 1

SUBJECT: BRAKE CERTIFICATION

Dear Andrew

Confirming receipt of your request for Certification of the following vehicle to the NZ Heavy Vehicle Brake Code:

Vehicle type: L AXLE TRAILER

Serial No: 0915

Reg No:

This Certification has been allocated the following Reference Number:

9806006

Please quote this Reference Number in any future correspondence.

Conditions applicable to the NZHVBC Certificate issued for this vehicle are listed below. If you have any questions please contact me.

**CONDITIONS APPLICABLE TO NZHVBC CERTIFICATE**

The Certificate is valid only if the Certifiers signature is original and the nominated Examiner has signed and returned the Installation Certificate (Yellow sheet).

Transport Specialities Ltd liability is limited to the conditions set out in Transpecs Warranty Policy, and as per the IPENZ form model conditions of engagement.

The Certificate is void if:

- The vehicle is not operated within the legal limits.
- The vehicle is not operated within the limits of the NZHVBC Certificate.
- Change in circumstances invalidate the Certificate.
- The vehicle is not maintained to the Manufacturers specifications.
- Subsequent to the vehicle being involved in an accident.
- The vehicle is modified or Certified items repaired outside the terms of NZHVBC 1991 (or subsequent issues) after the date of issue of the Certificate.

A handwritten signature in dark ink, appearing to read 'Brian Laing', written over a circular stamp.  
(BRIAN LAING)  
MOT CERTIFIER #1055

## STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : FULL TRAILER  
 MAKE : DOMETT MODEL : D2501  
 SERIAL NUMBER : 095 GVM (on road) : 29000  
 GVM (off road) : N/A GCM : N/A  
 UNLADEN CoG HEIGHT : 0.850 WHEELBASE : 5.810  
 UNLADEN MASS,FRONT : 2.550 UNLADEN MASS,REAR : 2.250  
 PAYLOAD : 24.20  
 PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.940 RANGE : N/A  
 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	64.33	0.089	400.0	FERODO	NAB718	0.380
2	64.33	0.089	400.0	FERODO	NAB718	0.380
3	64.33	0.067	400.0	FERODO	NAB718	0.380
4	64.33	0.067	400.0	FERODO	NAB718	0.380

AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	IMT S-CAM	350.0	140.0	150.0	0.000
2	IMT S-CAM	350.0	140.0	150.0	0.000
3	IMT S-CAM	350.0	140.0	150.0	5.940
4	IMT S-CAM	350.0	140.0	150.0	5.940

TRAILER

VALVE TYPE	MAKE	MODEL/VERSION
RELAY 1	SEALCO	110415
RELAY 2	SEALCO	110415
SPRING BRAKE VALVE	SEALCO	110170
QUICK RELEASE VALVE	-	-
PILOT	-	-
OTHER	SEALCO	17600B
OTHER	WABCO	475/713/000/0 @ 75%

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 : 24 SEP 98

Signed : 

Certifier's Identification

Name : B.R. LAING

Phone : (09)8469189

Company : TRANSPORT SPECIALTIES LTD

Postal Address : 949 NEW NTH RD  
 : MT ALBERT AUCKLAND  
 : PO BOX 77064

Fax : (09)8463441

Position : LTSA CERTIFIER #1055

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 : .....

Company : .....

Postal Address : ..... Fax : .....

.....

Position : .....

9809406 DOMETT CHASSIS 095

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.550 tonnes  
 TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.250 tonnes  
 VEHICLE WHEELBASE : 5.810 m  
 CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.850 m  
 MASS OF THE LOAD ON THE VEHICLE : 24.20 tonnes  
 LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.940 m  
 HEIGHT OF THE LOAD CoG ABOVE GROUND : 2.000 m

Laden mass on the front suspension = 14.50  
 Laden mass on the rear suspension = 14.49

AXLE TYPE	NO. OF VALVES	RATIO VALVE	INSHOT PRESSURE	RATIO OUT/IN	COUPLING PRESSURE 100Nm DRUM TORQUE
1	1	0	0.000	0.000	64.33
2	2	1	70.00	0.750	64.33

AXLE TYPE	VALVE NO.	CRACKING PRESSURE	PRESSURE IN kPa	PRESSURE OUT kPa
1	1	31.00	650.0	650.0
2	1	0.000	650.0	505.0
2	2	31.00	650.0	650.0

AXLE TYPE	LINING CoF	CHAMBER AREA cm <sup>2</sup>	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
1	0.380	140.0	150.0	400.0	175.0
2	0.380	140.0	150.0	400.0	175.0

AXLE TYPE	S-CAM RADIUS mm	% BRAKE EFFICIENCY	CHAMBER PRESSURE 100Nm DRUM TQUE.
1	13.09	0.800	35.00
2	13.09	0.800	35.00

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.79kN/tonne

AXLE NO.	AXLE TYPE	EMERGEN PRESSURE kPa	PARKING FORCE kN
1	1	490.0	0.000
2	1	490.0	0.000
3	2	490.0	5.940
4	2	490.0	5.940

STOPPING DISTANCE FOR EMERGENCY PRESSURE = 6.40 m

STOPPING DISTANCE FOR SPRING BRAKES = 14.93 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 4.10 SLOPE

9809406 DOMETT CHASSIS 095

