

002 18:29 23/5/2000 DOMETT3A.Dt4

ORIX NEW ZEALAND LTD. AUCKLAND.  
 DOMETT 3 AXLE CURTIANSIDER TRAILER  
 MODEL: C2001, CHASSIS No: 182, Rego:

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.120 tonnes  
 TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 3.700 tonnes  
 VEHICLE WHEELBASE : 4.500 m  
 CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.700 m  
 MASS OF THE LOAD ON THE VEHICLE : 17.30 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 = 8.117  
 Laden mass on the rear suspension = 15.00

AXLE TYPE	NO. OF VALVES	RATIO VALVE	INSHOT PRESSURE	RATIO OUT/IN	COUPLING PRESSURE 100Nm DRUM TORQUE
1	1	0	0.000	0.000	65.18
2	2	1	70.00	0.750	65.18

AXLE TYPE	VALVE NO.	CRACKING PRESSURE	PRESSURE IN kPa	PRESSURE OUT kPa
1	1	28.00	275.0	279.0
2	1	0.000	450.0	505.0
2	2	28.00	275.0	279.0

AXLE TYPE	LINING CoF	CHAMBER AREA cm <sup>2</sup>	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
1	0.450	140.6	152.4	408.0	180.0
2	0.450	140.6	152.4	408.0	180.0

AXLE TYPE	S-CAM RADIUS mm	% BRAKE EFFICIENCY	CHAMBER PRESSURE 100Nm DRUM TQUE.
1	14.00	0.800	42.00
2	14.00	0.800	42.00

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.94kN/tonne

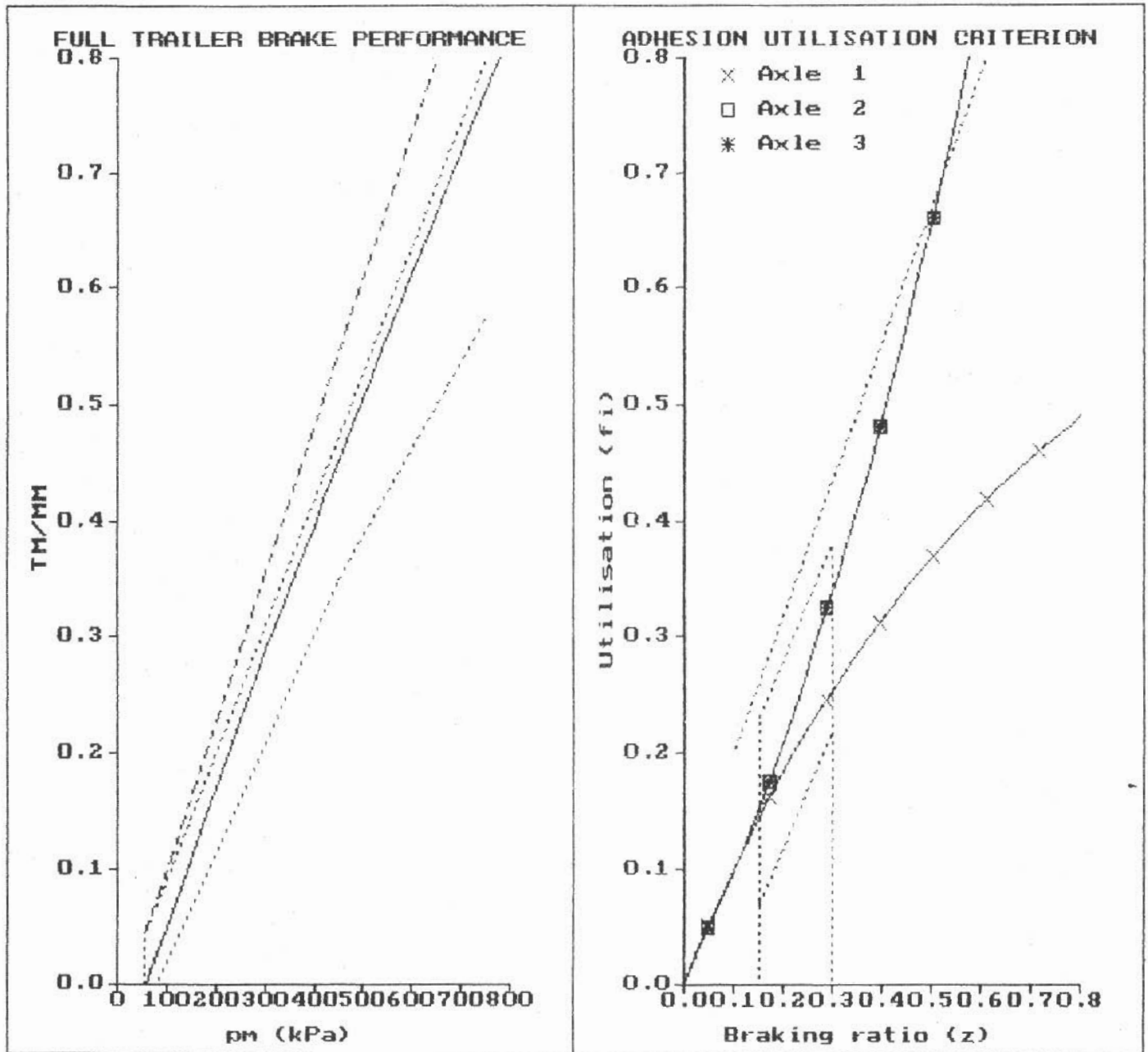
AXLE NO.	AXLE TYPE	EMERGENCY PRESSURE kPa	PARKING FORCE kN
1	1	345.0	0.000
2	2	345.0	5.940
3	2	345.0	5.940

STOPPING DISTANCE FOR EMERGENCY PRESSURE = 8.93 m

STOPPING DISTANCE FOR SPRING BRAKES = 10.71 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 2.86 SLOPE

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 STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : FULL TRAILER  
 MAKE : DOMETT TRAILER MODEL : C2001.  
 SERIAL NUMBER : 182. GVM (on road) : 23,000 Kg.  
 GVM (off road) : 23,000 Kg. GCM : N/A.  
 UNLADEN CoG HEIGHT : 0.700 WHEELBASE : 4.500  
 UNLADEN MASS,FRONT : 2.120 UNLADEN MASS,REAR : 3.700  
 PAYLOAD : 17.30  
 PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.940 RANGE :  
 FRONT SUSPENSION TYPE : SINGLE AXLE REAR SUSPENSION TYPE : DUAL AXLE  
 REACTIVE/NONREACTIVE : NONREACTIVE. REACTIVE/NONREACTIVE : NONREACTIVE.  
 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	65.18	0.102	408.0	TEXTAR.	BPW T090FF.	0.450
2	65.18	0.078	408.0	TEXTAR.	BPW T090FF.	0.450
3	65.18	0.078	408.0	TEXTAR.	BPW T090FF.	0.450

AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	S,CAM.(BPW)	360.0	140.6	152.4	0.000
2	S,CAM.(BPW)	360.0	140.6	152.4	5.940
3	S,CAM.(BPW)	360.0	140.6	152.4	5.940

TRAILER

VALVE TYPE	MAKE	MODEL/VERSION
RELAY 1	BENDIX.	R-12 (28KPA 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.	PR-3 (TANK PROTEC)
OTHER	BENDIX. (FIXED RATIO)	F.R.V. RATIO SET @75%
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 : 23/5/2000.

Signed : *R.A. Finch*

Certifier's Identification

Name : R.A.FINCH. (RF)

Phone : (07)347-7872.

Postal Address : BNT COMMERCIAL.  
: P.O.Box 233.  
: ROTORUA.

Fax : (07)346-1566.

Position : NZHVB CERTIFIER.1144

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: .....