

VEHICLE TYPE : FULL TRAILER

MAKE : DOMETT MODEL : D2001

SERIAL NUMBER : 160 GVM (on road) : 29000

GVM (off road) : N/A GCM : N/A

UNLADEN CoG HEIGHT : 0.950 WHEELBASE : 5.840

UNLADEN MASS, FRONT : 3.200 UNLADEN MASS, REAR : 2.900

PAYLOAD : 22.90

PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.960 RANGE : N/A

FRONT SUSPENSION TYPE : DUAL AXLE REAR SUSPENSION TYPE : DUAL AXLE  
 REACTIVE/NONREACTIVE : NON REACTIVE REACTIVE/NONREACTIVE : NON 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	69.09	0.087	400.0	FERODO	PM17/20	0.380
2	69.09	0.087	400.0	FERODO	PM17/20	0.380
3	69.09	0.070	400.0	FERODO	PM17/20	0.380
4	69.09	0.070	400.0	FERODO	PM17/20	0.380

AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	IMT S-CAM	381.0	140.0	127.0	0.000
2	IMT S-CAM	381.0	140.0	127.0	0.000
3	IMT S-CAM	381.0	140.0	127.0	5.940
4	IMT S-CAM	381.0	140.0	127.0	5.940

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 @ 80%

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 : 31 DEC 99

Signed : 

Certifier's Identification

Name : B.R. LAING

Phone : (09)9807300

Company : TRANSPORT SPECIALTIES LTD

Postal Address : CNR ASH & KERRS RDS  
: WIRI AUCKLAND  
: PO BOX 98-971 S.A.M.C

Fax : (09)9807306

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 : .....

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 3.200 tonnes  
 TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.900 tonnes  
 VEHICLE WHEELBASE : 5.840 m  
 CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.950 m  
 MASS OF THE LOAD ON THE VEHICLE : 22.90 tonnes  
 LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.960 m  
 HEIGHT OF THE LOAD CoG ABOVE GROUND : 2.000 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	69.09
2	2	1	70.00	0.800	69.09

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	534.0
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	127.0	400.0	190.5
2	0.380	140.0	127.0	400.0	190.5

AXLE TYPE	S-CAM RADIUS mm	% BRAKE EFFICIENCY	CHAMBER PRESSURE 100Nm DRUM TQUE.
1	13.09	0.850	40.00
2	13.09	0.850	40.00

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.77kN/tonne

AXLE NO.	AXLE TYPE	EMERGENCY 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 = 6.60 m

STOPPING DISTANCE FOR SPRING BRAKES = 15.44 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 4.24 SLOPE

9912929 DOMETT CHASSIS 160

