

VEHICLE TYPE : FULL TRAILER

MAKE : DOMETT MODEL : D2501

SERIAL NUMBER : 161 GVM (on road) : 29000

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

UNLADEN CoG HEIGHT : 0.900 WHEELBASE : 5.810

UNLADEN MASS,FRONT : 2.750 UNLADEN MASS,REAR : 2.550

PAYLOAD : 23.70

PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.930 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	0.097	439.0	FERODO	PM17/20	0.380
2	64.33	0.097	439.0	FERODO	PM17/20	0.380
3	64.33	0.063	439.0	FERODO	PM17/20	0.380
4	64.33	0.063	439.0	FERODO	PM17/20	0.380

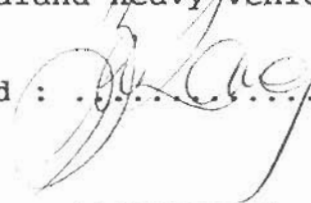
AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	IMT S-CAM	418.0	140.0	150.0	0.000
2	IMT S-CAM	418.0	140.0	150.0	0.000
3	IMT S-CAM	418.0	140.0	150.0	5.940
4	IMT S-CAM	418.0	140.0	150.0	5.940

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 @ 65%

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 : 8 FEB 00

Signed : 

Certifier's Identification

Name : B.R. LAING

Phone : (09)9807300

Company : TRANSPORT SPECIALTIES LTD

Postal Address : CNR KERRS & ASH 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 : .....

0001961 DOMETT CHASSIS 161

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.750 tonnes  
 TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.550 tonnes  
 VEHICLE WHEELBASE : 5.810 m  
 CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.900 m  
 MASS OF THE LOAD ON THE VEHICLE : 23.70 tonnes  
 LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.930 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	64.33
2	2	1	70.00	0.650	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	447.0
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	439.0	209.0
2	0.380	140.0	150.0	439.0	209.0

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 = 4.91kN/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 = 5.89 m

STOPPING DISTANCE FOR SPRING BRAKES = 13.75 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 3.75 SLOPE

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