



# Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's Name *(PRINT IN CAPS)*

ID

CHRIS CLARKE

CJC

Vehicle Registration\*

VIN / Chassis Number

7A9D15025C1023108

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Certification Category

Towing Connection

✓ Brakes

SRT

HUEK.

Description of Work

CARRY OUT SETUP OF TRAILER BRSS SYSTEM.

Roll STABILITY FUNCTION ACTIVATE + TESTED AS PER START UP PROTOCOL.

Code/Standard Certified to

Component Load Rating(s)

HUB NZ 32015/2 SCHED 5.

General Drawing Number(s)

~~42000~~ 42000 KG.

N/A

Supporting Documents

BRACE DESIGN CERTIFICATE - JH12110.

\*Special Conditions

WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON + THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE EXCEEDS 7 KPH.

Certification Expiry Date *(if applicable)*

or Hubodometer Reading *(whichever comes first)*

N/A

## Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified above and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification complies in all respects with the Land Transport Rule Vehicle Standards Compliance 2002 and my Deed of Appointment. To the best of my knowledge the information contained in this Certificate is true and correct.

Designer's ID *(if certified by a manufacturer)*

Inspector's / Delegate's Signature

\*Delegate's Name *(PRINT IN CAPS)*

Date

Number

10-01-2013

424274

COF Vehicle Inspector ID:

COF Vehicle Inspector Signature:

Date

All fields excluding those marked with \* must be completed before this certificate can be accepted.

## NOTICE TO VEHICLE OPERATOR

**THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED AND FITTED IN ACCORDANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015: SECTION 7.5.**

**IF THIS VEHICLE IS OPERATED IN CONJUNCTION WITH NON-CODED VEHICLES, THERE MAY BE OPERATIONAL FACTORS WHICH NEED TO BE TAKEN INTO CONSIDERATION.**

**PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION.**

### **EXCERPT FROM NZ HEAVY VEHICLE BRAKE RULE 32015**

**10.1 Responsibilities of operators**

*A person who operates a vehicle must ensure that the vehicle complies with this Rule*

**10.2 Responsibilities of repairers**

*A person who repairs or adjusts a brake must ensure that the repair or adjustment:*

- (a) does not prevent the vehicle from complying with the rule; and*
- (b) complies with Land Transport Rule: Vehicle Repair 1998.*

**10.3 Responsibilities of modifiers**

*A person who modifies a vehicle so as to affect the braking performance of the vehicle must:*

- (a) ensure that the modification does not prevent the vehicle from complying with this rule; and*
- (b) notify the operator that the vehicle must be inspected and, if necessary, certified by a person or organisation appointed to carry out specialist inspection and certification of heavy vehicle brakes.*

**10.5 Responsibilities of manufacturers and retailers**

*A person may manufacture, stock, or offer for sale a brake or its components. Intended for fitting to a vehicle to be used on New Zealand roads, only if that brake or component:*

- (a) complies with this Rule; and*
- (b) does not prevent a repair to a vehicle, its structure, systems, components and equipment from complying with this Rule.*

**IF YOU ARE UNSURE ABOUT YOUR RESPONSIBILITIES, PLEASE CONTACT THE VEHICLE MANUFACTURER, OR MYSELF.**

**COMPLAINTS.** *Complaints and Warranty issues which relate to Brake Certification will be acknowledged within 7 working days and a resolution proposed within 25 working days. Resolution of complaints and Warranty issues is subject to Transpecs Warranty policy. Customers have the right to appeal to the Land Transport Safety Authority if dissatisfied with a Compliance issue. (refer LTNZ Deed Of Appointment Para 47.4) NZTA Helpdesk 0800 699 000*

  
C.J. Clarke (CJC HVEK)

## **NOTICE TO VEHICLE OPERATOR**

This trailer is equipped with an Electronic Brake System.

To comply with the New Zealand Heavy Vehicle Brake RULE, it must be used only in conjunction with a truck/tractor equipped with a 5 or 7 pin ABS/EBS power supply socket.

Failure to connect to such supply invalidates Brake Rule compliance.

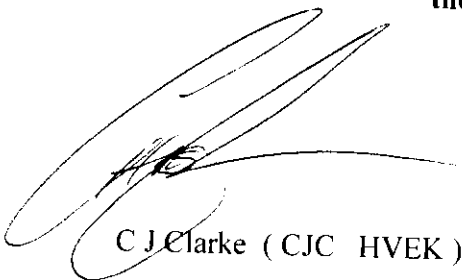
The trailer ABS/EBS warning light on the towing vehicle dashboard must illuminate when the ignition is switched on and extinguish when the vehicle is in motion.

If the light does not illuminate when ignition is switched on, the system must be checked. If the light remains illuminated when the vehicle is in motion, Brake Rule compliance is compromised. Repairs must be made as soon as possible.

### **NB;**

If this vehicle is fitted with mechanical (spring) suspension, the load sense valving has been adjusted to suit exactly the performance of the original springs. In event of replacement being required, original equipment springs **must** be fitted to ensure correct ongoing operation. Fitment of non genuine springs can affect operation and therefore, compliance.

If you are unsure of your responsibilities and/or obligations, please contact either the vehicle manufacturer or myself.



C J Clarke (CJC HVEK)

trailer (full, semi-, centre-axle) with air brake system acc. to UN/ECE-R.13.11

distribution: DOMETT T&T  
7A9D15025C1023108  
SODC - JH121110

please note!

This brake calculation is made under consideration of  
-the legal prescriptions mentioned above in the version valid at the time of making the program (V6.12.08.27).  
-the functional characteristics of our products as well as the data of the brake out of the test approvals of the axle manufacturers, and  
-the other vehicle data included in the brake calculation.  
Please check whether these data correspond to the actual vehicle data.  
Our conditions of delivery apply (particularly section 9.0).  
in any case we commend to do a braking harmonisation!  
WABCOBrake V6.12.08.27 db 30.08.2012

vehicle manufacturer: DOMETT T&T  
trailer model : 4AS PLATFORM  
trailer type : 4-axle-semi-trailer  
remarks : air / hydraulic / VA suspension  
WABCO TRAILER - EBS  
TRISTOP 1+2: T.16/24  
355/50 R 22,5

axle 1 + 2 + 3 : ROR, Elsa 195 LE, 36102202, Re 432  
axle 4 : ROR, Elsa 195 LE, 36107104 ECE,

		unladen		laden	
total mass	P in kg	7200	-	7400	
king-pin	PS kg	2000	-	2200	42000 - 42000
axle 1	P1 in kg			1300	18000 - 18000
axle 2	P2 in kg			1300	6000
axle 3	P3 in kg			1300	6000
axle 4	P4 in kg			1300	6000
total axle mass	PR in kg			5200	6000
wheel base	E in mm	9200	-	9200	24000
centre of gravity height	h in mm			1330	
K-factor				Kv min 1.7954	2200
K-factor				Kv max 1.7962	Kc min 1.0630
					Kc max 1.0630

		axle 1	axle 2	axle 3	axle 4
no. of combined axles		1	1	1	1
no. of brake chambers per axle line	KDZ	2	2	2	2
The power output corresponds to		BZ 119.6	BZ 119.6	BZ 122.1	BZ 122.1
brake chamber manufacturer		Meritor	Meritor	Meritor	Meritor
chamber size		T.16/24	T.16/24	16.	16.
lever length	lBh in mm	74	74	74	74
brake factor	[-]	20.30	20.30	20.30	20.26
dyn. rolling radius	rdyn min in mm	449	449	449	449
dyn. rolling radius	rdyn max in mm	449	449	449	449
threshold torque	Co Nm	10.0	10.0	10.0	6.0

calculation:

chamber pressure(rdyn min)pH at z=22,5%bar		2.2	2.2	2.2	2.2
chamber pressure(rdyn max)pH at z=22,5%bar		2.2	2.2	2.2	2.2
chamber press.(servo)pcha at pm6,5bar bar		5.0	5.0	5.0	5.0
piston force ThA at pm6,5bar N		4983	4983	4983	4983
brake force(rdyn min)T lad. at pm6,5bar N		33027	33027	33027	33324
brake force(rdyn max)T lad. at pm6,5bar N		33027	33027	33027	33324
brake force within 1 % rolling friction	%	25.0	25.0	25.0	25.1

braking rate z laden  
z = sum (TR)/PRmax  
0.562 for rdyn min  
0.562 for rdyn max

Trailer may only be operated in combination with trucks/tractors with ISO 7638 supply (5 or 7 polar).

brake diagram :

maximum pressure: 8.5 bar

axle 1:

valve 1: 971 002 ... 0 WABCO  
EBS emergency valve

valve 2: 480 102 ... 0 WABCO  
EBS trailer modulator

brake cylinder: Meritor 1624HTLD64

axle 2:

valve 1: 971 002 ... 0 WABCO  
EBS emergency valve

valve 2: 480 102 ... 0 WABCO  
EBS trailer modulator

brake cylinder: Meritor 1624HTLD64

axle 3:

valve 1: 971 002 ... 0 WABCO  
EBS emergency valve

valve 2: 480 102 ... 0 WABCO  
EBS trailer modulator

brake cylinder: Meritor 16HSCLD64

axle 4:

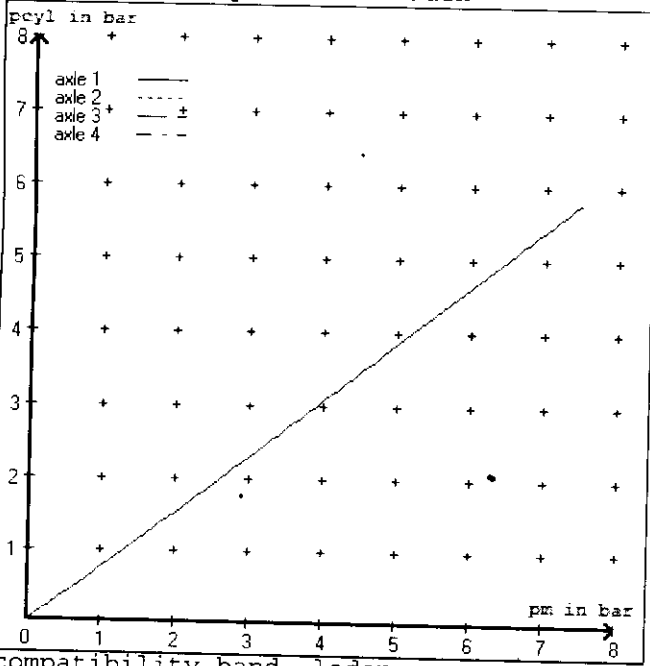
valve 1: 971 002 ... 0  
EBS emergency valve WABCO

valve 2: 480 207 0.. 0  
EBS relay valve WABCO or 480 207 2.. 0

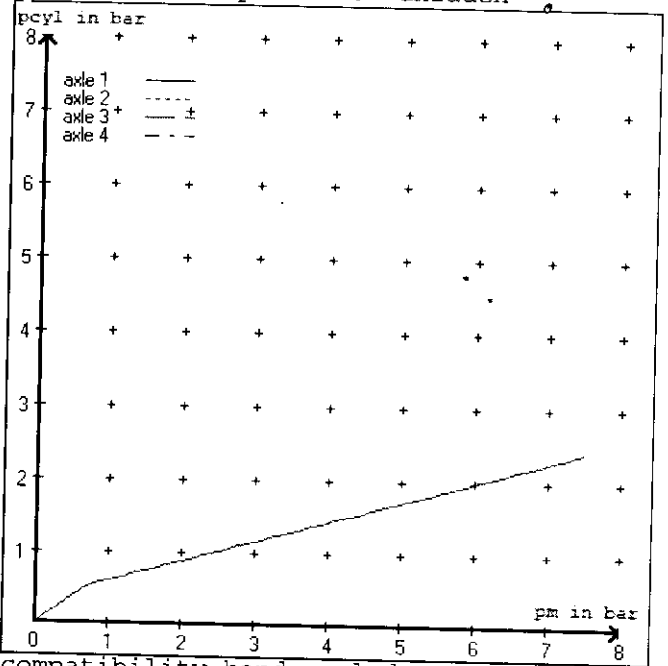
brake cylinder: Meritor 16HSCLD64

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4
at pm 3.7 bar =>	pcha in bar :	2.8	2.8	2.8	2.8
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4
at pm 1.2 bar =>	pcha in bar :	0.9	0.9	0.9	0.9

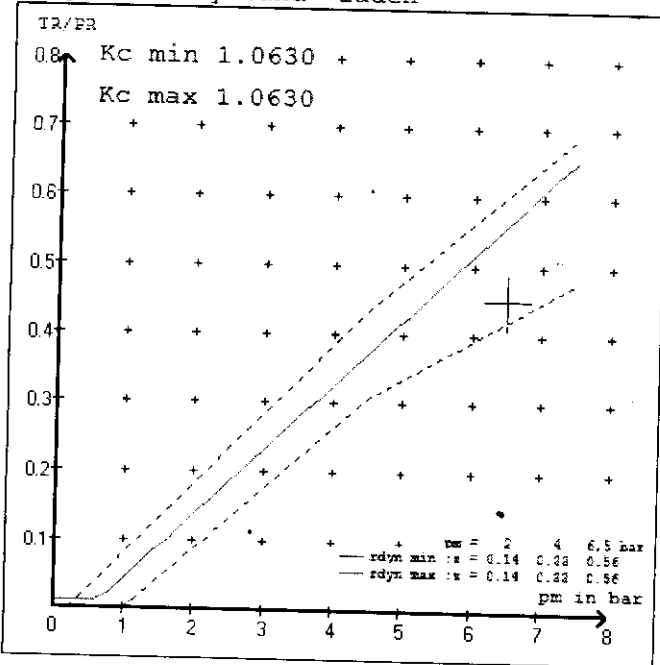
brake chamber pressure laden



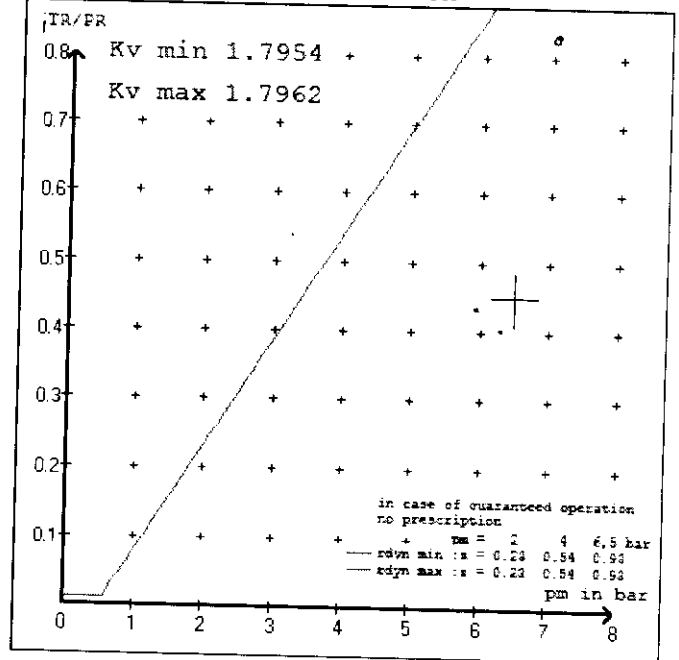
brake chamber pressure unladen



compatibility band laden



compatibility band unladen



vehicle manufacturer: DOMETT T&T  
 trailer model : 4AS PLATFORM  
 trailer type : 4-axle-semi-trailer

brake chamber and lever length :  
 axle 1 : 2 x type/diameter T.16/24 (Meritor) lever length 74 mm  
 axle 2 : 2 x type/diameter T.16/24 (Meritor) lever length 74 mm  
 axle 3 : 2 x type/diameter 16. (Meritor) lever length 74 mm  
 axle 4 : 2 x type/diameter 16. (Meritor) lever length 74 mm

brake diagram :

valve :  
 971 002 ... 0 WABCO EBS emergency valve  
 480 102 ... 0 WABCO EBS trailer modulator  
 480 207 0.. 0 WABCO EBS relay valve or 480 207 2.. 0

EBS input data .  
 =====

vehicle manufacturer: DOMETT T&T  
 trailer model : 4AS PLATFORM  
 trailer type : 4-axle-semi-trailer  
 brake calculation no. : TP 50708S

tire circumference main axle : 2825 for rdyn max  
 tire circumference auxiliary axle : 2825 for rdyn max

assignment pm / deceleration z: pm 0.7 bar z = 0.010  
 (laden condition) 2.0 bar z = 0.134  
 6.5 bar z = 0.565

control pressure pm		6,5		control pressure pm		0.7	2.0	6.5
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden		
1	1300	to be entered by the vehicle manufact.	2.1	6000	to be entered by the vehicle manufact.	0.5	1.5	5.0
2	1300		2.1	6000		0.5	1.5	5.0
3	1300		2.1	6000		0.5	1.5	5.0
4	1300		2.1	6000		0.5	1.5	5.0
5	0		0,0	0		0,0	0,0	0,0

The unladen values indicated in the above table are values for the basic parameter set. Higher unladen axle loads and liftaxles are automatically recognized and do not require separate adjustment. The above unladen axle loads must not be fallen below.

=====

axle 1	axle 2	axle 3	axle 4
axle load pcyl	axle load pcyl	axle load pcyl	axle load pcyl
1300	2.1	1300	2.1
1800	2.4	1800	2.4
2300	2.7	2300	2.7
2800	3.0	2800	3.0
3300	3.3	3300	3.3
3800	3.6	3800	3.6
4300	4.0	4300	4.0
4800	4.3	4800	4.3
6000	5.0	6000	5.0



data sheet to ECE vehicle type-approval certificate concerning braking equipment: according to ECE R13 annex 11

axle 1 : reference axle: ROR	.../... .../K brake lining: ROR 8616 AF
test report :	36102202 date : 07.06.2002
axle 2 : reference axle: ROR	.../... .../K brake lining: ROR 8616 AF
test report :	36102202 date : 07.06.2002
axle 3 : reference axle: ROR	.../... .../K brake lining: ROR 8616 AF
test report :	36102202 date : 07.06.2002
axle 4 : reference axle: ROR	.../... .../K brake lining: ROR 8616 AF
test report :	36107104 ECE date : 30.10.2006

calc. verific. of residual (hot) braking force type III  
(item 4.2.1 of appendix 2 to annex 11)

axle 1	(rdyn 449 mm)	T = 16.3 % Fe
axle 2	(rdyn 449 mm)	T = 16.3 % Fe
axle 3	(rdyn 449 mm)	T = 16.3 % Fe
axle 4	(rdyn 449 mm)	T = 16.6 % Fe

calculated actuator stroke in mm  
(item 4.3.1.1 of appendix 2 to annex 11)

axle 1	(sp = 57 mm)	S = 40 mm
axle 2	(sp = 57 mm)	S = 40 mm
axle 3	(sp = 57 mm)	S = 40 mm
axle 4	(sp = 57 mm)	S = 40 mm

average thrust output in N at pm = 6,5 bar (however max. pcha = 7,0 bar)

axle1	ThA = 4983 N
axle2	ThA = 4983 N
axle3	ThA = 4983 N
axle4	ThA = 4983 N

calc. residual (hot) braking force in N  
(item 4.3.1.4 of appendix 2 to annex 11)

axle 1	(rdyn 449 mm)	T = 26937 N
axle 2	(rdyn 449 mm)	T = 26937 N
axle 3	(rdyn 449 mm)	T = 26937 N
axle 4	(rdyn 449 mm)	T = 35655 N

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
0.56	0.49

braking rate of the vehicle  
(item 4.3.2 to appendix 2 to annex 11)

required braking rate	>= 0,4 and
(items 1.5.3 and 1.7.2 to annex 11)	>= 0,6*E (0.34)

axle 1	(rdyn 449 mm)	T = 26937 N
axle 2	(rdyn 449 mm)	T = 26937 N
axle 3	(rdyn 449 mm)	T = 26937 N
axle 4	(rdyn 449 mm)	T = 35655 N

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
0.56	0.49

braking rate of the vehicle  
(item 4.3.2 to appendix 2 to annex 11)

required braking rate	>= 0,4 and
(items 1.5.3 and 1.7.2 to annex 11)	>= 0,6*E (0.34)

spring parking brake

	<u>axle 1</u>	<u>axle 2</u>
no of TRISTOP-actuators per axle line KDZ	2	2
TRISTOP-actuator. type	T.16/24	T.16/24
lever length	74	74
stat. tyre radius	432	432
lBh in mm		
rstat max in mm		
at a stroke of	s	in mm
min. force of spring brake	30	30
sp.brake chamber no Meritor.....	TFZ in N	7605
release pressure	4	4
pLs in bar	4.8	4.8

calculation:

ratio until road	3.4773	3.4773
$iF_b = lBh \cdot \eta \cdot C \cdot r_{Bt} / (r_{Bn} \cdot r_{stat})$		
for rstat in mm	432	432
brake force of spring br. Tf in N	51950	51950
$T_f = (TFZ \cdot KDZ - 2 \cdot Co / lBh) \cdot iF_b$		
braking rate	zf laden	0.262
$z_f = \sum (T_f) / P + 0,01$		

Test of the frictional connection required by the parking brake

minimum wheelbase/minimum supporting width min Ef necessary to fulfil the regulations

$$\min E_f = E \cdot (1 - PR/P + z_{ferf} \cdot h/E) / (1 - z_{ferf} / (f_{zul} \cdot n_f/n_g))$$

min Ef = 7889 mm for E = 9200 mm

min Ef = 7889 mm for E = 9200 mm

min Ef =	minimum distance between front axle(s) (trailer) or support (semitraile
and the rear axle(s) (resultant of the bogie)	
E =	wheel base
fzul = 0.80	maximum permissible frictional connection required
zferf = 0.18	maximum required braking ratio of the parking brake
h = 2200 mm	height of center of gravity - laden
PR = 24000 kg	maximum bogie mass - laden
P = 42000 kg	maximum total mass - laden
nf = 2	no. of axle(s) with TRISTOP spring brake actuators
ng = 4	no. of bogie axle(s)

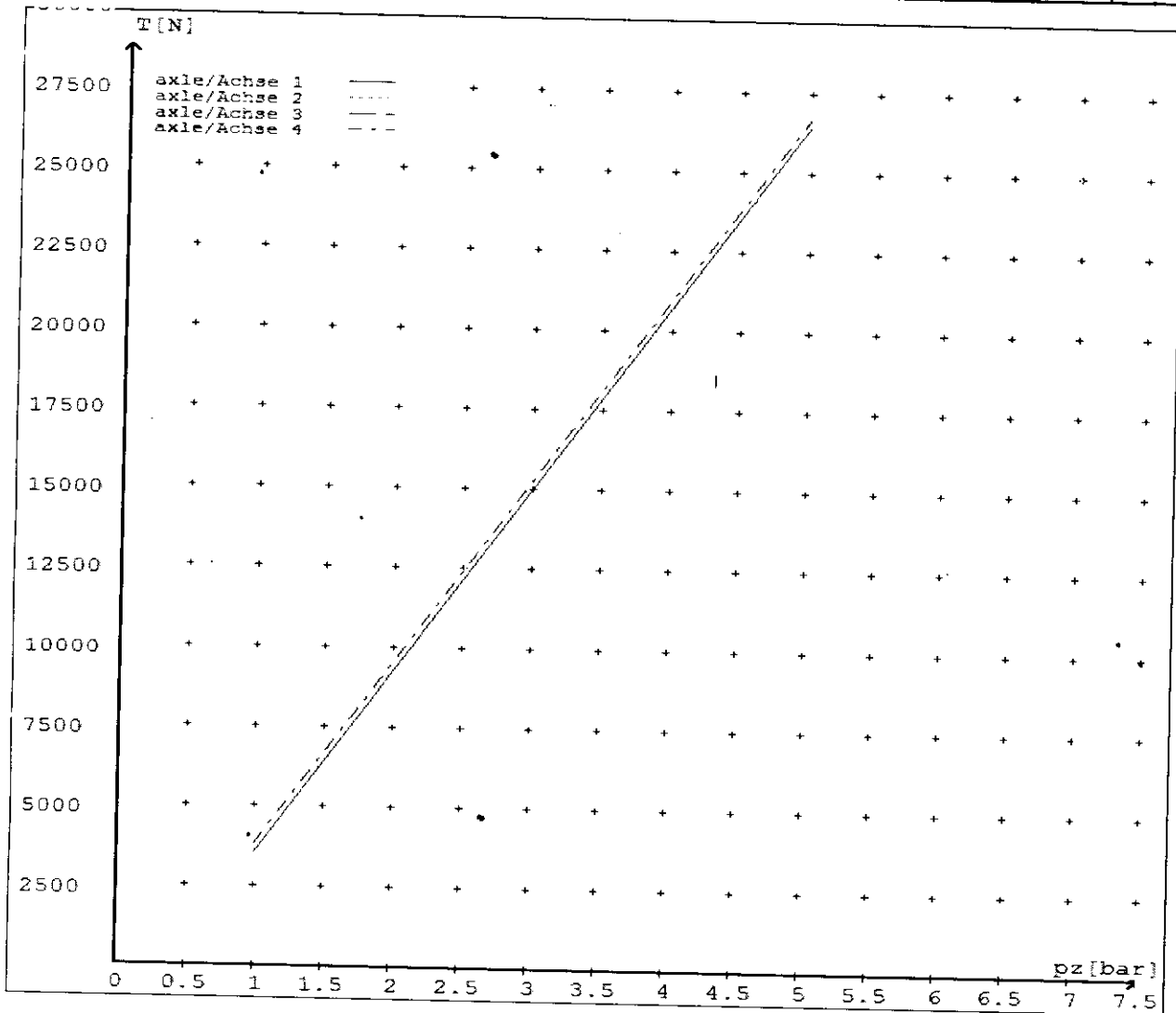
reference values

reference values for z = 45% for max rdyn: 449 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0	3492	
	5.0	26445	
axle 2	1.0	3492	
	5.0	26445	
axle 3	1.0	3492	
	5.0	26445	
axle 4	1.0		3775
	5.0		26683

VIN - no.:

brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	Axle(s) / Achse(n)				
	T.16/24	T.16/24	16./	16./	/
Maximum stroke smax = ...mm maximaler Hub smax = ....mm	64	64	64	64	
Lever length = ....mm Hebellänge = ....mm	74	74	74	74	



**HVBR WORKSHEET**  
(PROCEDURE & COMPLIANCE DOCUMENTATION SHEET)

CERTIFICATE No. JH121110

CUSTOMER NAME Domett Trailers Ltd

CUSTOMER ORDER No. 3932 DATE RECEIVED 15.11.12

VEHICLE TYPE 4 AXLE SEMI TRAILER

REG No.   CHASSIS No. 7A9D15025C1023108

**BRIEF SPECIFICATION AS CERTIFIED TO HVBR**

**BRAKE CHAMBERS:**

Type: 1624 (TSE): Max stroke = 64 mm    Lever length = 74 mm  
Type: 16 (TSE): Max stroke = 64 mm    Lever length = 74 mm

**BRAKE VALVES:**

Ratio Valve Setting:    EBS CONTROL  
Test Points:            3 4 5 7

**FRICITION LINING:**

(All) Lining Brand    OEM    Aftermarket  
                                 ROR 8616 AF

EBS CONTROL: SPECIAL CONDITIONS APPLY – SEE INSTRUCTION ON LT400

VALVES: AS PER DATA SHEET ATTACHED

TYRE SIZE: 355 50 R 22.5

**NOTES**

PACKING SLIP NO.

SO1519699

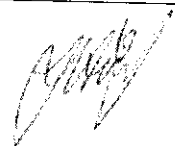
PROCESS TIME:

1

BRAKE CALCULATION TP50708: ROR DISC BRAKE.  
MERITOR CHAMBERS IN TP50708 ARE TSE

COMPLETION DATE : 15<sup>th</sup> Nov 2012

SIGNATURE



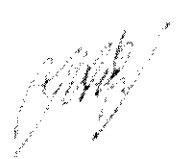
## Statement of Compliance with the New Zealand Heavy Brake Rule

Documentation required to support Statements of Compliance with the New Zealand Heavy Brake Rule, to be made available to the Statutory Authority on request, must include all calculations and test reports.

### Confirmation of compliance

I confirm that the vehicle identified on page 1 of this Statement of Compliance complies with all relevant requirements of the current New Zealand Heavy Vehicle Brake Rule 32015/2, Schedule 5.

Date: 15<sup>th</sup> Nov 2012

Signed: 

### Certifier's identification

Name: J E Hirst

Phone (bus): (09) 980 7300 Fax (bus): (09) 980 7306

Postal address: Transport Specialties, Cnr Kerrs & Ash Roads  
Wiri, Auckland, PO Box 98 971 Manukau City 2241

Position: JEH

### Confirmation of continued compliance of modification

I confirm the brake system of the vehicle identified on page 1 of this Statement of Compliance as modified by myself, continues to comply with all the relevant requirements of the current New Zealand Heavy Vehicle Brake Rule 32015/2, Schedule 5.

Date: \_\_\_\_\_ Signed: \_\_\_\_\_

Certifier's identification: JEH

Name:

Phone (bus): (09) 980 7300 Fax (bus): (09) 980 7306

Postal address: Transport Specialties Ltd

Cnr Kerrs & Ash Roads, Wiri, Auckland

PO Box 98 971, Manukau City 2241



NZ TRANSPORT AGENCY  
WAKA KOTAHI

**NATIONAL OFFICE**

50 Victoria Street  
Private Bag 6995  
Wellington 6141  
New Zealand  
T 64 4 894 5400  
F 64 4 894 6100

Exemption: HVB12/369

[www.nzta.govt.nz](http://www.nzta.govt.nz)

**EXEMPTION FROM SPECIFIED REQUIREMENTS OF LAND TRANSPORT RULE:  
Heavy-vehicle Brakes 2006, Rule 32015**

Pursuant to Section 166(1) of the Land Transport Act 1998, and pursuant to the powers delegated to me, Jackie Hartley, Administrator (Assessments) hereby exempt the motor vehicle specified in Schedule 1 hereto from the section of Land Transport Rule: Heavy-vehicle Brakes 2006 (the Rule) listed in Schedule 2, subject to the conditions specified in Schedule 3.

**SCHEDULE 1:**

Make/Model: **Domett Truck & Trailer Ltd, 4 axle semi-trailer**  
VIN/CHASSIS: **7A9D15025C1023108**

**SCHEDULE 2: - Exempted Requirement**

**Section 2.3(9);** The parking brake of a vehicle, whether or not it is being operated as a combination vehicle, must be able to be applied by the driver from the normal driving position using one control only.

**SCHEDULE 3: - Conditions of this exemption:**

- 1) The vehicle must be fitted with a Wabco park-release emergency valve (PREV), Part Number: 971 002 900 0.
- 2) The vehicle must be fitted with the Wabco PREV name plate, Part Number 971 002 103 4, adjacent to the PREV.
- 3) The vehicle must still be fitted with a parking brake that complies with all parking brake requirements in the Rule other than the requirement in Clause 2.3(9) of the Rule.
- 4) The installation of the PREV must be approved in writing by Gough Transpecs or an NZ Transport Agency appointed HVEK certifier acting on behalf of, and under instruction from, Gough Transpecs; Gough Transpecs must keep a written record of all approvals.
- 5) An HVEK certifier in 4) must be fully trained in end of line procedures for Wabco electronically controlled braking systems
- 6) Gough Transpecs must provide full operator training in the use of the PREV and furnish the operator with full written operating instructions for the PREV.
- 7) The vehicle must not be modified in any way while operating under this exemption.
- 8) This original exemption must be kept by Gough Transpecs.
- 9) A copy of this exemption (printed on a silver WABCO Sticker) must be affixed to the exempted vehicle as close to the WABCO PREV as possible.
- 10) The sticker in 9) must be legible and include all printed areas of this original exemption letter.
- 11) This exemption can be revoked at any time in writing by the NZ Transport Agency.

Signed at Wellington this 20<sup>th</sup> day of November 2012.

Jackie Hartley  
Administrator (Assessments)

# GOUGH Transpecs

P.O.Box 98-971

South Auckland Mail Centre

J.HIRST (JEH)

DATE	15-Nov-12	BRAKE SYSTEM	WABCO TEBSE
CERT. NO.	JH121110	PREV EXEMPTION	HVB12/369
VIN / CHASSIS	7A9D15025C1023108		
BRAKE CHAMBERS FRONT	1624 HTLD64 (TSE Max Stroke - 64mm)		
BRAKE CHAMBERS REAR	16 HSCLD64 (TSE Max Stroke - 64mm)		
SLACK LENGTH FRONT	74 mm	TYRE SIZE FRONT	355 50 R 22.5
SLACK LENGTH REAR	74 mm	TYRE SIZE REAR	355 50 R 22.5
THIS VEHICLE COMPLIES WITH THE NZ HVBR 32015/2 - SCHEDULE 5		LINING MATERIAL FRONT	ROR 8616 AF
		LINING MATERIAL REAR	ROR 8616 AF

WABCO			TRAILER EBS-E				GGVS/ADR TUEH TB 2007 - 019.00 361-0071-04								
HERSTELLER MANUFACTURER CONSTRUCTEUR		DOMETT T&T						GIO		Pin1		Pin3		Pin4	
TYP TYPE TYPE		4AS PLATFORM						1		---		---		---	
FAHRZEUG IDENTNR. CHASSIS NUMBER NUMERO DE CHASSIS		7A9D15025C1023108						2		---		---		---	
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREMAGE NO.		TP50708						3		SAC		RDL		---	
POLRADZÄHNEZAHL c-d   e-f POLE WHEEL TEETH c-d   e-f DENTS ROUE DENTÉE c-d   e-f		90		90		ABS-System ABS-System Système ABS		4S/3M		4		---		---	
RAS RAS RAS		Einfachbereifung Single Tyre Monte simple		X		Lenkachse Steering axle Essieu vitreur		X		5		DIAG		DIAG	
		Zwillingsbereifung Twin Tyre Monte jumelés				Kipprittisches Fahrzeug Critical Trailer Véhicule critique				6		---		---	
Subsystems		SB		I/O						7		---		---	
		pm (bar)		6.5		pm (bar)		0.7 2.0 --- 6.5						(bar)	
ACHSE AXLE ESSEU		H (kg)		( )		H (kg)		( )		TYP TYPE		(mm)		(mm)	
1		1300 0.5		2.1		6000 3.9		0.5 1.5 --- 5.0		-		16 / 24 64 74		349 2644	
2		1300 0.5		2.1		6000 3.9		0.5 1.5 --- 5.0		-		16 / 24 64 74		349 2644	
3		1300 0.5		2.1		6000 3.9		0.5 1.5 --- 5.0		-		16 64 74		349 2644	
4		1300 0.5		2.1		6000 3.9		0.5 1.5 --- 5.0		-		16 64 74		377 2668	
5		0 ---		---		0 ---		--- --- --- ---		-		--- --- --- ---		---	



NZ TRANSPORT AGENCY  
WAKA KOTAHI

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Exemption: HVB12/369

**EXEMPTION FROM SPECIFIED REQUIREMENTS OF LAND TRANSPORT RULE:  
Heavy-vehicle Brakes 2006, Rule 32015**

Pursuant to Section 166(1) of the Land Transport Act 1998, and pursuant to the powers delegated to me, I Jackie Hartley, Administrator (Assessments) hereby exempt the motor vehicle specified in Schedule 1 hereto from the section of Land Transport Rule: Heavy-vehicle Brakes 2006 (the Rule) listed in Schedule 2, subject to the conditions specified in Schedule 3.

**SCHEDULE 1:**

Make/Model: **Domett Truck & Trailer Ltd, 4 axle semi-trailer**  
VIN/CHASSIS: **7A9D15025C1023108**

**SCHEDULE 2: - Exempted Requirement**

**Section 2.3(9):** The parking brake of a vehicle, whether or not it is being operated as a combination vehicle, must be able to be applied by the driver from the normal driving position using one control only.

**SCHEDULE 3: - Conditions of this exemption:**

- 1) The vehicle must be fitted with a Wabco park-release emergency valve (PREV), Part Number: 971 002 900 0.
- 2) The vehicle must be fitted with the Wabco PREV name plate, Part Number 971 002 103 4, adjacent to the PREV.
- 3) The vehicle must still be fitted with a parking brake that complies with all parking brake requirements in the Rule other than the requirement in Clause 2.3(9) of the Rule.
- 4) The installation of the PREV must be approved in writing by Gough Transpecs or an NZ Transport Agency appointed HVEK certifier acting on behalf of, and under instruction from, Gough Transpecs; Gough Transpecs must keep a written record of all approvals.
- 5) An HVEK certifier in 4) must be fully trained in end of line procedures for Wabco electronically controlled braking systems.
- 6) Gough Transpecs must provide full operator training in the use of the PREV and furnish the operator with full written operating instructions for the PREV.
- 7) The vehicle must not be modified in any way while operating under this exemption.
- 8) This original exemption must be kept by Gough Transpecs.
- 9) A copy of this exemption (printed on a silver WABCO Sticker) must be affixed to the exempted vehicle as close to the WABCO PREV as possible.
- 10) The sticker in 9) must be legible and include all printed areas of this original exemption letter.
- 11) This exemption can be revoked at any time in writing by the NZ Transport Agency.

Signed at Wellington this 20<sup>th</sup> day of November 2012.

Jackie Hartley  
Administrator (Assessments)