



Heavy Vehicle Specialist Certificate

Must be presented to a Transport Service Delivery Officer
Heavy Vehicle Specialist Inspector and Inspection Organisation

Heavy Vehicle Specialist Inspector's Name: _____

CHRIS CLARKE

CJC

Vehicle Registration: _____

VIN / Chassis Number

7A9E2004XD1023201

Component being certified:

Chassis Modification

Load Anchorage

Leaf Bolsters

Towing Connection

✓ Brakes

Seat

Certification Category

PSV Stability

PSV Rollover

Steering Path

HUEK

PBS

Description of Work

CARRY OUT SET UP TO SPEED 5.

ROLL STABILITY FUNCTION ACTIVATED

Code/Standard Certified to

Component Load Rating(s)

HUBNZ 32015/2 SPEED 5.

General Drawing Number(s)

34500 KG.

N/A.

Supporting Documents

BRACE DESIGN CERTIFICATE - JH131022

PREV EXEMPTION REF HUB13/345.

*Special Conditions

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

Certification Expiry Date: _____

or Hubodometer Reading (km): _____

N/A

Declaration

I, the undersigned, declare that I am the Heavy Vehicle Specialist Inspector listed above and I have personally examined and certified that the above mentioned vehicle complies with the relevant New Zealand vehicle standards, and that I am satisfied with the respect to the compliance with the relevant New Zealand vehicle standards and the compliance 2002 and my Declaration is based on my knowledge and belief that the information provided is true and correct.

Designer's ID (if applicable): _____

Inspector's / Delegate's Signature: _____

Delegate's/Inspector's Name: _____

Date: _____

Number: _____

25/10/2013

450540

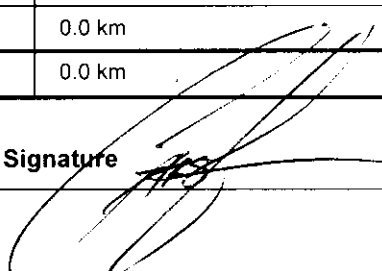
WABCO START-UP PROTOCOL

System	Trailer EBS-E	WABCO part number	480 102 080 0
Production date	2013-05-11	Serial number	897001390400J
Serial number (modulator)	000000021788		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2013-10-24 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO		TRAILER EBS-E		GGVSI/ADR TUEH TB 2007 - 019.00											
HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT		GIO	Pin1	Pin3	Pin4									
TYP TYPE	5AFT C/SIDE		1	---	---	24V-O1									
FAHRZEUGIDENTIFIKATION CHASSIS NUMBER NUMERO DE CHASSIS	7A9E2001XD1023201		2	---	---	---									
BREMSENRECHNUNGS-NR. BRAKE CALCULATION NO CALCUL DE FREINAGE NO	TP50928A		3	ALS2	ALS2	---									
POLRADA/ZAHNEZAHLE C-1, P-1 POLE WHEEL TEETH C-1, P-1 DENTS ROUE DENTEE C-1, P-1	80	80	4	---	---	---									
RSS	Einfachbereifung Single Tyre Monte simple	ABS-System ABS-System Systeme ABS	5	DIAG	DIAG	DIAG									
RSS	Zwillingsbereifung Twin Tyre Monte gmelee	Lenkachse Steering axle Essieu vireur	6	---	---	---									
RSS	X	Kippkritisches Fahrzeug Critical Trailer Vehicule critique	7	---	---	---									
Subsystems	SB	I/O	24N												
ACHSE AXLE ESSIEU		pm (bar)	6.5	pm (bar)	0.7	2.0	---	6.5	TP TYPE	(mm)	(mm)	(bar)	1.0	Pz	
		TR	daN												
1	1700	0.8	2.5	7500	4.9	0.4	1.5	---	6.1	-	24	82	127	483	3950
2	1700	0.8	2.5	7500	4.9	0.4	1.5	---	6.1	-	24	82	127	483	3950
3	1400	0.6	1.9	6600	4.3	0.4	1.5	---	4.7	-	24 / 30	64	127	529	3056
4	1400	0.6	1.9	6600	4.3	0.4	1.5	---	4.7	-	24 / 30	64	127	529	3056
5	1400	0.6	1.9	6600	4.3	0.4	1.5	---	4.7	-	24 / 30	64	127	529	3056

Diagnostic memory	OK	Warning lamp control	OK
Parameter setting	carried out	Stop light power supply	Not tested
EBS pressure test	Not tested	Lifting axle test	Not tested
Redundancy test	OK	ECAS distance sensor calibration	Not tested
ABS sensor assignment	OK	Distance sensor Axle load calibr	Not tested
RTR check	Not tested	Leak test	Not tested
Immobilizer test	Not tested	Signal outputs TEBS	Not tested
Signal inputs	Not tested		

Diagnostic memory ELEX	Not tested	Signal outputs ELEX	Not tested
TailGUARDlight	Not tested	TailGUARD	Not tested

Manufacturer	DOMETT	Vehicle ident. no	7A9E2001XD1023201
Vehicle type	5AFT C/SIDE	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tested by	Chris Clarke	Signature 	
Date	2013-10-24 3:59:22 p.m.		



Exemption: HVB13/345

**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: Vehicle Details:

Make/Model: **Domett Truck & Trailer Ltd, 5 Axle Full Trailer**
VIN/Chassis: **7A9E2001XD1023201**

Schedule 2: Exempted Requirement:

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) The 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 4th day of September 2013

Jackie Hartley
Administrator (Assessments)

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

distribution: DOMETT
 7A9E2001XD1023201
 SODC: JH131022
 PREV: HVB13/345

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 (V6.13.06.12).
 -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 V6.13.06.12 db 12.06.2013

vehicle manufacturer: DOMETT
 trailer model : SAFT C/SIDE
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS
 TRISTOP 3+4+5: 24/30
 265/70 R 19,5

axle 1 + 2 + 3 + 4 + 5 : Assali Stefen, B (350x200), TDB 0855 ECE,

		<u>unladen</u>	<u>laden</u>
total mass	P in kg	7600	34800
axle 1	P1 in kg	1700	7500
axle 2	P2 in kg	1700	7500
axle 3	P3 in kg	1400	6600
axle 4	P4 in kg	1400	6600
axle 5	P5 in kg	1400	6600
wheel base	E in mm	7320 - 7320	
centre of gravity height	h in mm	1090	2050

	<u>axle 1</u>	<u>axle 2</u>	<u>axle 3</u>	<u>axle 4</u>	<u>axle 5</u>
no. of combined axles	1	1	1	1	1
no. of brake chambers per axle line KDZ	2	2	2	2	2
The power output corresponds to	BC 0029.0BC	0029.0BC	0051.0BC	0051.0BC	0051.0
brake chamber manufacturer	WABCO	WABCO	WABCO	WABCO	WABCO
chamber size	24	24	24/30	24/30	24/30
lever length lbh in mm	127	127	127	127	127
brake factor [-]	9.10	9.10	9.10	9.10	9.10
dyn. rolling radius rdyn min in mm	421	421	421	421	421
dyn. rolling radius rdyn max in mm	421	421	421	421	421
threshold torque Co Nm	25.0	25.0	25.0	25.0	25.0

calculation:

chamber pressure(rdyn min)pH at z=22,5%bar	2.3	2.3	2.1	2.1	2.1
chamber pressure(rdyn max)pH at z=22,5%bar	2.3	2.3	2.1	2.1	2.1
chamber press.(servo)pcha at pm6,5bar bar	6.1	6.1	4.7	4.7	4.7
piston force ThA at pm6,5bar N	8554	8554	6649	6649	6649
brake force(rdyn min)T lad. at pm6,5bar N	46619	46619	36069	36069	36069
brake force(rdyn max)T lad. at pm6,5bar N	46619	46619	36069	36069	36069
brake force within 1 % rolling friction %	19.8	19.8	20.1	20.1	20.1

braking rate z laden 0.590 for rdyn min
 z = sum (TR)/PRmax 0.590 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: 480 207 0.. 0 WABCO or 480 207 2.. 0
EBS relay valve

brake cylinder: WABCO 423 106 90. 0 / 423 106 96x 0

axle 2:

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

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

brake cylinder: WABCO 423 106 90. 0 / 423 106 96x 0

axle 3:

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

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

brake cylinder: WABCO 925 376 005 0 / 925 376 2.. 0

axle 4:

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

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

brake cylinder: WABCO 925 376 005 0 / 925 376 2.. 0

axle 5:

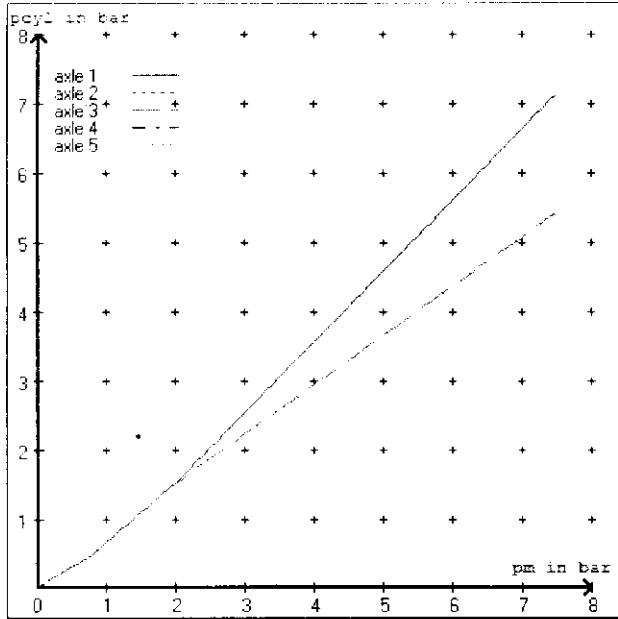
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

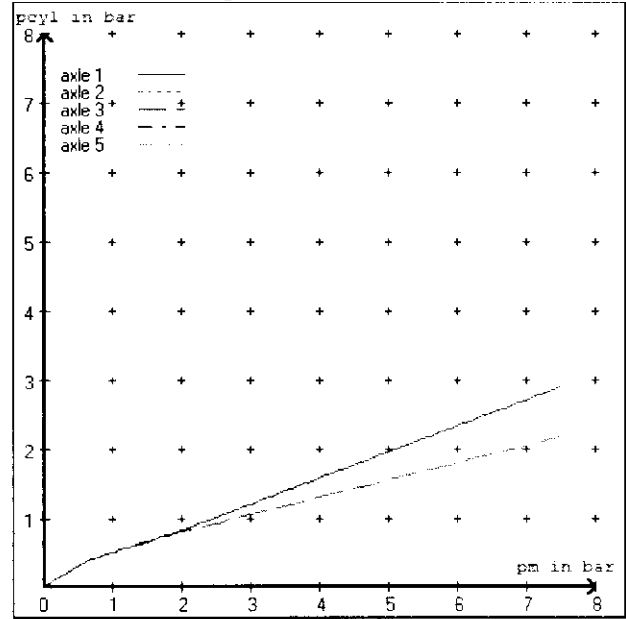
brake cylinder: WABCO 925 376 005 0 / 925 376 2.. 0

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 3.6 bar =>	pcha in bar :	3.1	3.1	2.6	2.6	2.6	
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 1.1 bar =>	pcha in bar :	0.8	0.8	0.8	0.8	0.8	

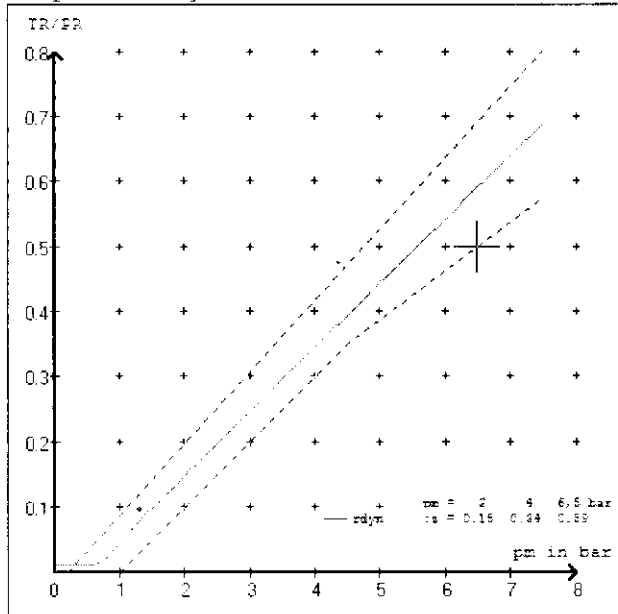
brake chamber pressure laden



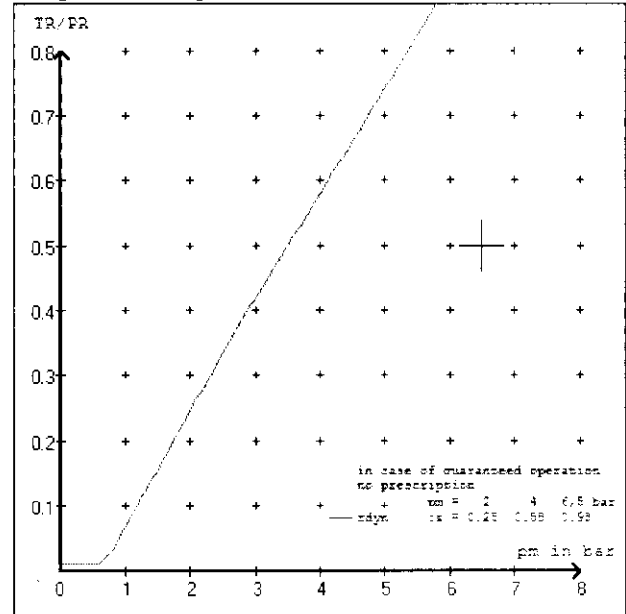
brake chamber pressure unladen



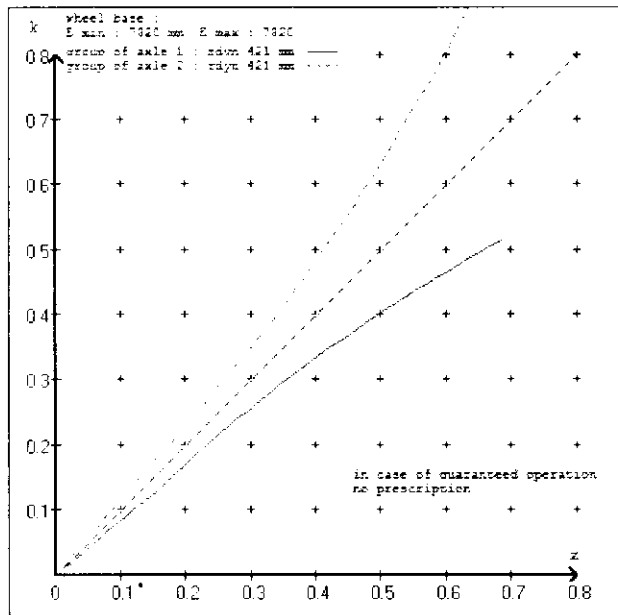
compatibility band laden



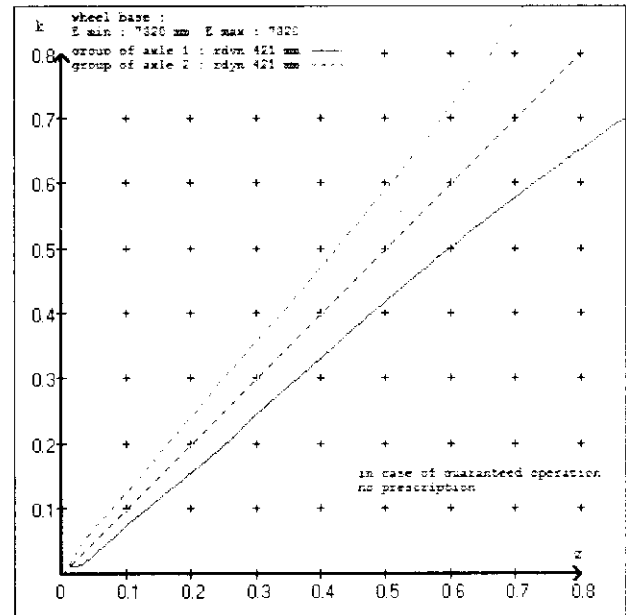
compatibility band unladen



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT
 trailer model : SAFT C/SIDE
 trailer type : 5-axle-full-trailer

brake chamber and lever length :

axle 1 : 2 x type/diameter 24 (WABCO) lever length 127 mm
 axle 2 : 2 x type/diameter 24 (WABCO) lever length 127 mm
 axle 3 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm
 axle 4 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm
 axle 5 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm

brake diagram :

valve :

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

EBS input data

=====

vehicle manufacturer: DOMETT
 trailer model : SAFT C/SIDE
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 50928A

tire circumference main axle : 2650 for rdyn max
 tire circumference auxiliary axle : 2650 for rdyn max

assignment pm / deceleration z: pm 0.7 bar z = 0.010
 (laden condition) 2.0 bar z = 0.138
 6.5 bar z = 0.580

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	1700	to be	2.5	7500	to be	0.4	1.5	6.1
2	1700	entered by	2.5	7500	entered by	0.4	1.5	6.1
3	1400	the vehicle	1.9	6600	the vehicle	0.4	1.5	4.7
4	1400	manufact.	1.9	6600	manufact.	0.4	1.5	4.7
5	1400		1.9	6600		0.4	1.5	4.7

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 5
axle load pcy1	axle load pcy1	axle load pcy1	axle load pcy1	axle load pcy1
1700	2.5	1700	2.5	1400
2200	2.8	2200	2.8	1900
2700	3.1	2700	3.1	2400
3200	3.4	3200	3.4	2900
3700	3.7	3700	3.7	3400
4200	4.1	4200	4.1	3900
4700	4.4	4700	4.4	4400
5200	4.7	5200	4.7	4900
7500	6.1	7500	6.1	6600

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

axle 1 : reference axle: Assali SteftM / LM / LCe brake lining: ROR 685 AF
 test report : TDB 0855 ECE date : 20110721
 axle 2 : reference axle: Assali SteftM / LM / LCe brake lining: ROR 685 AF
 test report : TDB 0855 ECE date : 20110721
 axle 3 : reference axle: Assali SteftM / LM / LCe brake lining: ROR 685 AF
 test report : TDB 0855 ECE date : 20110721
 axle 4 : reference axle: Assali SteftM / LM / LCe brake lining: ROR 685 AF
 test report : TDB 0855 ECE date : 20110721
 axle 5 : reference axle: Assali SteftM / LM / LCe brake lining: ROR 685 AF
 test report : TDB 0855 ECE date : 20110721

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

axle 1	(rdyn 421 mm)	T = 21.8 % Fe
axle 2	(rdyn 421 mm)	T = 21.8 % Fe
axle 3	(rdyn 421 mm)	T = 18.6 % Fe
axle 4	(rdyn 421 mm)	T = 18.6 % Fe
axle 5	(rdyn 421 mm)	T = 18.6 % Fe

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

axle 1	(sp = 71 mm)	s = 54 mm
axle 2	(sp = 71 mm)	s = 54 mm
axle 3	(sp = 63 mm)	s = 54 mm
axle 4	(sp = 63 mm)	s = 54 mm
axle 5	(sp = 63 mm)	s = 54 mm

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

axle1	ThA = 8554 N
axle2	ThA = 8554 N
axle3	ThA = 6649 N
axle4	ThA = 6649 N
axle5	ThA = 6649 N

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

axle 1	(rdyn 421 mm)	T = 38587 N
axle 2	(rdyn 421 mm)	T = 38587 N
axle 3	(rdyn 421 mm)	T = 29870 N
axle 4	(rdyn 421 mm)	T = 29870 N
axle 5	(rdyn 421 mm)	T = 29870 N

basic test type III
 of subject (calculated)
 trailer (E) residual

braking rate of the vehicle
 (item 4.3.2 to appendix 2 to annex 11) 0.59 (hot)braking 0.49

required braking rate >= 0,4 and
 (items 1.5.3 and 1.7.2 to annex 11) >= 0,6*E (0.35)

axle 1	(rdyn 421 mm)	T = 38587 N
axle 2	(rdyn 421 mm)	T = 38587 N
axle 3	(rdyn 421 mm)	T = 29870 N
axle 4	(rdyn 421 mm)	T = 29870 N
axle 5	(rdyn 421 mm)	T = 29870 N

basic test type III
 of subject (calculated)
 trailer (E) residual

braking rate of the vehicle
 (item 4.3.2 to appendix 2 to annex 11) 0.59 (hot)braking 0.49

required braking rate >= 0,4 and
 (items 1.5.3 and 1.7.2 to annex 11) >= 0,6*E (0.35)

spring parking brake

	<u>axle 3</u>	<u>axle 4</u>	<u>axle 5</u>
no of TRISTOP-actuators per axle line KDZ	2	2	2
TRISTOP-actuator type	24/30	24/30	24/30
lever length	127	127	127
stat. tyre radius	401	401	401
at a stroke of	30	30	30
min. force of spring brake	6360	6360	6360
sp.brake chamber no 925 ...	376 005 0376 005 0376 005 0		
sp.brake chamber no 925 ...	376 2.. 0376 2.. 0376 2.. 0		
release pressure	4.9	4.9	4.9

calculation:

ratio until road	2.8820	2.8820	2.8820
$iFb = lBh \cdot \eta \cdot C \cdot rBt / (2 \cdot rBn \cdot rstat)$			
for rstat in mm	401	401	401
brake force of spring br. Tf in N	35525	35525	35525
$Tf = (TFZ \cdot KDZ - 2 \cdot Co / lBh) \cdot iFb$			
braking rate	0.322		
zf laden			
$zf = \text{sum}(Tf) / P + 0,01$			

Test of the frictional connection required by the parking brake

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

$$\min Ef = E \cdot (1 - PR/P + zferf \cdot h/E) / (1 - zferf / (fzul \cdot nf/ng))$$

min Ef = 4547 mm for E = 7320 mm
 =====
 min Ef 4547 mm for E = 7320 mm
 =====

min Ef = minimum distance between front axle(s) (trailer) or support (semitrailer) 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 = 2050 mm height of center of gravity - laden
 PR = 19800 kg maximum bogie mass - laden
 P = 34800 kg maximum total mass - laden
 nf = 3 no. of axle(s) with TRISTOP spring brake actuators
 ng = 3 no. of bogie axle(s)

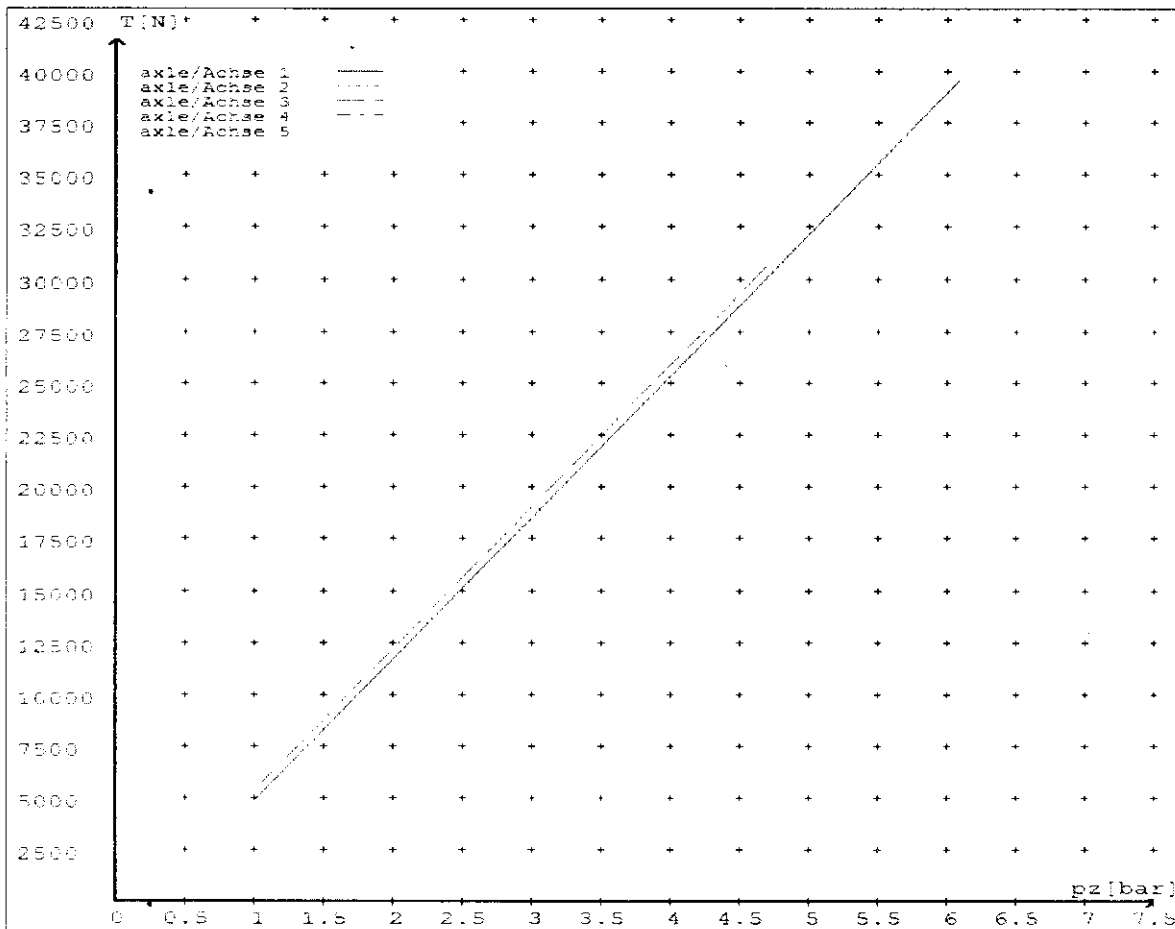
reference values

reference values for z = 50% for max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0	4840	
	6.1	39508	
axle 2	1.0	4840	
	6.1	39508	
axle 3	1.0		5295
	4.7		30567
axle 4	1.0		5295
	4.7		30567
axle 5	1.0		5295
	4.7		30567

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	24/	24/	24/30	24/30	24/30
Maximum stroke smax = ...mm maximaler Hub smax = ...mm	67	67	64	64	64
Lever length = ...mm Hebellänge = ...mm	127	127	127	127	127



HVBR WORKSHEET
(PROCEDURE & COMPLIANCE DOCUMENTATION SHEET)

CERTIFICATE No. JH131022

CUSTOMER NAME

DOMETT T&T

CUSTOMER ORDER No.

4079

DATE RECEIVED

05.09.13

VEHICLE TYPE

5 AXLE FULL TRAILER

REG No.

CHASSIS No.

7A9E2001XD1023201

BRIEF SPECIFICATION AS CERTIFIED TO HVBR

BRAKE CHAMBERS:

Type: 24 (TSE): Max stroke = 67 mm Lever length = 127 mm

Type: 2430 (TSE) : Max stroke = 64 mm Lever length = 127 mm

BRAKE VALVES:

Ratio Valve Setting: **EBS CONTROL**

Test Points: 3 4 5 7

FRICITION LINING:

OEM

Aftermarket

(All) Lining Brand ROR 685 AF

EBS CONTROL: IF SPECIAL CONDITIONS APPLY – SEE INSTRUCTION ON IT400

VALVES: AS PER BRAKE CALCULATION# TP50928 & SO1536862

TYRE SIZE: 265 70 R 19.5

NOTES

PACKING SLIP NO.

SO1536862

PROCESS TIME:

1

COMPLETION DATE : 24th Oct 2013

SIGNATURE (pp.):




Statement of Compliance with the New Zealand Heavy Brake Rule

Documentation required supporting 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: 24th Oct 2013

Signed (pp.): 

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 KOTAHĪ

NATIONAL OFFICE
50 Victoria Street
Private Bag 6995
Wellington 6141
New Zealand
T 64 4 894 5400
F 64 4 894 6100
www.nzta.govt.nz

Exemption: HVB13/345

**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: Vehicle Details:

Make/Model: **Domett Truck & Trailer Ltd, 5 Axle Full Trailer**
VIN/Chassis: **7A9E2001XD1023201**

Schedule 2: Exempted Requirement:

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) The 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 4th day of September 2013


Jackie Hartley
Administrator (Assessments)

WABCO				TRAILER EBS-E				GGVS/ADR TUEH TB 2007 - 019.00																							
HERSTELLER MANUFACTURER CONSTRUCTEUR		DOMETT		GIO		Pin1		Pin3		Pin4																					
TYP TYPE TYPE		5AFT C/SIDE		1		---		---		24V-O1																					
FAHRZEUG IDENTNR. CHASSIS NUMBER NUMERO DE CHASSIS		7A9E2001XD1023201		2		---		---		---																					
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL. DE FREINAGE NO.		TP50928A		3		ALS2		ALS2		---																					
POLRADZÄHREZÄHL. c-d e-f POLE WHEEL TEETH c-d e-f DENTS ROUE DENTÉE c-d e-f		80 80		4		---		---		---																					
ABS-System ABS-System Système ABS		4S/3M		5		DIAG		DIAG		DIAG																					
RSS Single Tyre Monte simple				6		---		---		---																					
Zweiflursbereifung Twin Tyre Monte jumelle		X		7		---		---		---																					
Lenkachse Steering axle Essieu avant																															
Kipkränches Fahrzeug Critical Trailer Véhicule critique																															
Subsystems		SB		I/O		24N																									
ACHSE AXLE ESSIEU		pm (bar)		6.5		pm (bar)		0.7		2.0		---		6.5		TYP TYPE (mm)		(mm)		(bar)		1.0		Pz							
		TR (daN)																													
1		1700		0.8		2.5		7500		4.9		0.4		1.5		---		6.1		-		24		82		127		483		3950	
2		1700		0.8		2.5		7500		4.9		0.4		1.5		---		6.1		-		24		82		127		483		3950	
3		1400		0.6		1.9		6600		4.3		0.4		1.5		---		4.7		-		24 / 30		64		127		529		3056	
4		1400		0.6		1.9		6600		4.3		0.4		1.5		---		4.7		-		24 / 30		64		127		529		3056	
5		1400		0.6		1.9		6600		4.3		0.4		1.5		---		4.7		-		24 / 30		64		127		529		3056	



P.O.Box 98-971		South Auckland Mail Centre	
J.HIRST (JEH)			
DATE	<u>24-Oct-13</u>	BRAKE SYSTEM	<u>WABCO EBS-E</u>
CERT. NO.	<u>JH131022</u>	PREV EXEMPTION	<u>HVB13/345</u>
VIN / CHASSIS	<u>7A9E2001XD1023201</u>		
BRAKE CHAMBERS FRONT <u>24S TSE (Max stroke = 67mm)</u>			
BRAKE CHAMBERS REAR <u>2430GC TSE (Max stroke = 64mm)</u>			
SLACK LENGTH FRONT	<u>127 mm</u>	TYRE SIZE FRONT	<u>265 70 R 19.5</u>
SLACK LENGTH REAR	<u>127 mm</u>	TYRE SIZE REAR	<u>265 70 R 19.5</u>
THIS VEHICLE COMPLIES WITH THE NZ		LINING MATERIAL FRONT	<u>ROR 685 AF</u>
HVBR 32015/2 - SCHEDULE 5		LINING MATERIAL REAR	<u>ROR 685 AF</u>