NZ TRANSPORT AGENCY
WAKA KOTAHI

Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)*: CHRIS CLARKE

ID: CJC

Vehicle registration *(optional)*:

VIN/chassis number: 7A9E20016K1023810

Make: DOMETT

Model *(optional)*:

Certification category: HVEK

Component being certified:

- [ ] Chassis
- [ ] Load anchorage
- [ ] Log bolsters
- [ ] Towing connection
- [X] Brakes
- [ ] SRT
- [ ] PSV stability
- [ ] PSV rollover
- [ ] Swept path
- [ ] PBS

Description of work:

CERTIFY TO SCHEDULE 5 OF LTR 32015/4
NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.
RSS ON: TWIN / ~~SINGLE~~ TYRE. TYRE SIZE = 265/70 R19.5

Code/standard/rule certified to: LTR 32015/4

Component load rating(s): 32 Tonnes GVM
35 Tonnes (Group ratings)

General drawing number(s): N/A

Supporting documents:

BRAKE CODE CERTIFICATE CJC195456
BRAKE CALCULATION # 50294A

Special conditions *(optional)*:

WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEDDS 7 KM/H

Certification expiry date *(if applicable)*: N/A [UNLESS MODIFIED]

or

Hubodometer reading *(whichever comes first)*:

Declaration

I the undersigned, declare that I am the heavy vehicle specialist inspector identified 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 appointment. To the best of my knowledge the information contained in the certificate is true and correct.

Designer's ID *(if different from inspector below)*:

Inspector's signature:

Inspector's name *(PRINT IN CAPS)*: CHRIS CLARKE

ID number: CJC

Date: 26-Feb-19

Number: 677356

CoF vehicle inspector ID *(if applicable)*:

CoF vehicle inspector signature *(if applicable)*:

Date:

All fields are mandatory unless otherwise stated.

WABCO START-UP LOG

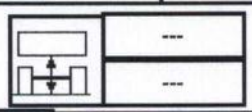
System	Trailer EBS-E	**WABCO part number**	480 102 084 0
Production date	2018-10-13	**Serial number**	437006311100M
Serial number (modulator)	000000506603		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2019-02-26 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

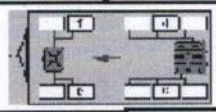
WABCO TRAILER EBS-E

GGVS/ADR TUEH TB 2007 - 019.00

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT				
TYP TYPE TYPE	5AFT CURTAINSIDE				
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9E20016K1023810				
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	GenNZ50294A				
POLRADZÄHNEZAHL c-d | e-f POLE WHEEL TEETH c-d | e-f DENTS ROUE DENTÉE c-d | e-f	80	80	ABS-System ABS-System Système ABS	4S/3M	
RSS RSS RSS Einfachbereifung Single Tire Monte simple		Lenkachse Steering axle Essieu vireur			
RSS RSS RSS Zwillingsbereifung Twin Tire Monte jumelée	X	Kippkritisches Fahrzeug Critical Trailer Véhicule critique			
Subsystems	SB		I/O	24N	

GIO	Pin1	Pin3	Pin4
1	24V-O1	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---





	pm (bar)		6.5	pm (bar)		0.7	2.0	---	6.5						(bar) 1.0	Pz
ACHSE AXLE ESSIEU									pz		TYP TYPE	(mm)	(mm)	TR (daN)		
1	1650	0.6	1.9	8000	4.7	0.3	1.2	---	5.4	-	24	75	152	661	4165	
2	1650	0.6	1.9	8000	4.7	0.3	1.2	---	5.4	-	24	75	152	661	4165	
3	1360	0.5	1.8	6350	3.7	0.3	1.4	---	4.7	-	24 / 30	75	127	543	2952	
4	1360	0.5	1.8	6350	3.7	0.3	1.4	---	4.7	-	24 / 30	75	127	543	2952	
5	1360	0.5	1.8	6350	3.7	0.3	1.4	---	4.7	-	24 / 30	75	127	543	2952	

TEBS-E

Diagnostic memory	OK	**Warning lamp control**	OK
Parameter setting	carried out	**Stop light supply**	OK
EBS pressure test	OK	**Lifting axle test**	Not tested
Redundancy test	OK	**ECAS height sensor calibration**	Not tested
ABS sensor assignment	OK	**Height sensor axle load**	Not tested
RTR test	Not tested	**Leak test**	Not tested
Immobilizer test	Not tested	**Signal outputs**	Not tested
Signal inputs	Not tested	**Tag axle test**	Not tested

Electronic Extension Module

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

Manufacturer	DOMETT	**Vehicle ident. no**	7A9E20016K1023810
Vehicle type	5AFT CURTAINSIDE	**Odometer reading**	0.0 km
next Service	0 km	**Trip reading**	0.0 km
Tester	Chris Clarke		
Date	2019-02-26 2:01:17 p.m.	**Signature**	

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

distribution: DOMETT
7A9E20016K1023810
CJC195456

please note!

This brake calculation is made under consideration of
-the legal precriptions mentioned above in the version valid at the time of making the program (V6.14.04.20).
-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 V6.14.04.20 db 08.07.2014

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

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

		unladen	laden
total mass	P in kg	7380	35050
axle 1	P1 in kg	1650	8000
axle 2	P2 in kg	1650	8000
axle 3	P3 in kg	1360	6350
axle 4	P4 in kg	1360	6350
axle 5	P5 in kg	1360	6350
wheel base	E in mm	7700 - 7700	
centre of gravity height	h in mm	700	1987

		axle 1	axle 2	axle 3	axle 4	axle 5
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		BZ 108.3	BZ 108.3BC	0023.1BC	0023.1BC	0023.1
brake chamber manufacturer		BPW	BPW	WABCO	WABCO	WABCO
chamber size		24	24	24/30	24/30	24/30
lever length	lBh in mm	152	152	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	8.0	8.0	8.0	8.0	8.0

calculation:

chamber pressure(rdyn min)pH at z=22,5%	bar	2.0	2.0	2.0	2.0	2.0
chamber pressure(rdyn max)pH at z=22,5%	bar	2.0	2.0	2.0	2.0	2.0
chamber press.(servo)pcha at pm6,5bar	bar	5.4	5.4	4.7	4.7	4.7
piston force ThA at pm6,5bar	N	7554	7554	6413	6413	6413
brake force(rdyn min)T lad. at pm6,5bar	N	50075	50075	35483	35483	35483
brake force(rdyn max)T lad. at pm6,5bar	N	50075	50075	35483	35483	35483
brake force within 1 % rolling friction proportion	%	22.4	22.4	18.4	18.4	18.4

braking rate z laden 0.601 for rdyn min
z = sum (TR)/PRmax 0.601 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: BPW 05.444.15.....

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: BPW 05.444.15.....

axle 3:
- valve 1: 971 002 ... 0 WABCO
  EBS emergency valve
- valve 2: 480 102 ... 0 WABCO
  EBS trailer modulator
- brake cylinder: WABCO 925 376 000-004 0 / 925 376 1.. 0

axle 4:
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

brake cylinder: WABCO 925 376 000-004 0 / 925 376 1.. 0

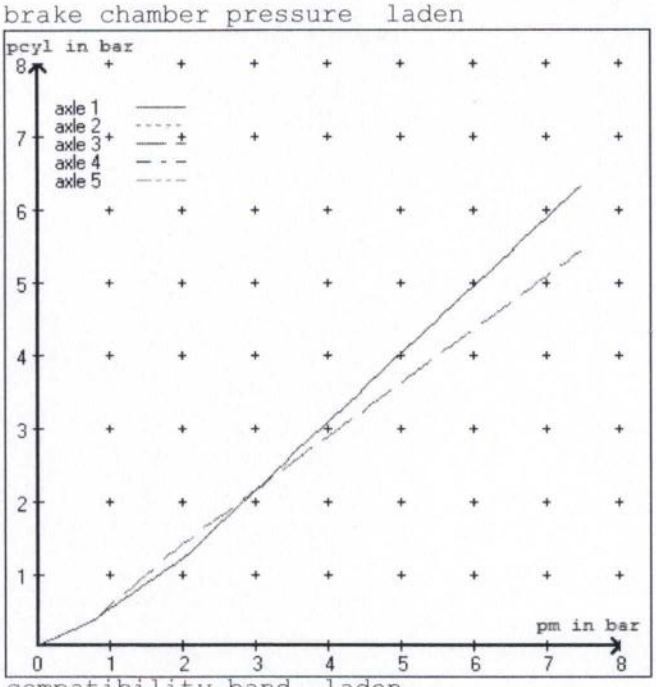
axle 5:
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

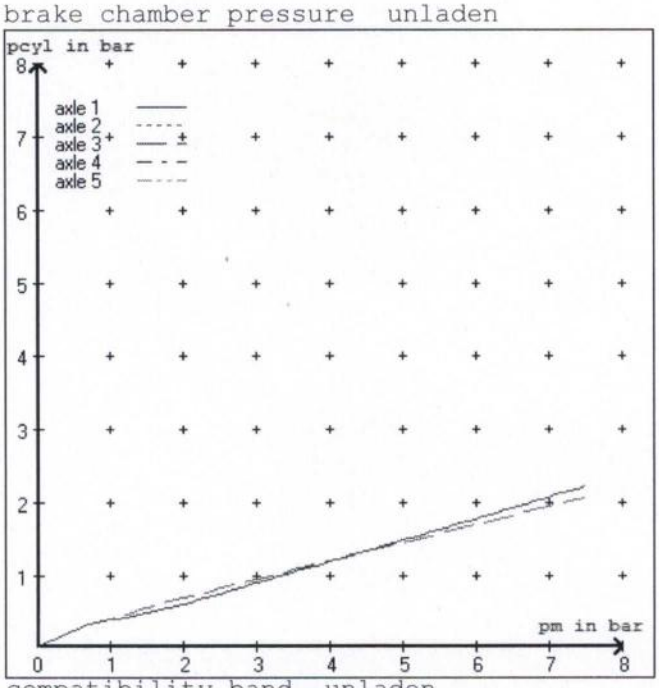
brake cylinder: WABCO 925 376 000-004 0 / 925 376 1.. 0

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5
at pm 3.6 bar =>	pcha in bar :	2.6	2.6	2.5	2.5	2.5
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5
at pm 1.2 bar =>	pcha in bar :	0.6	0.6	0.7	0.7	0.7

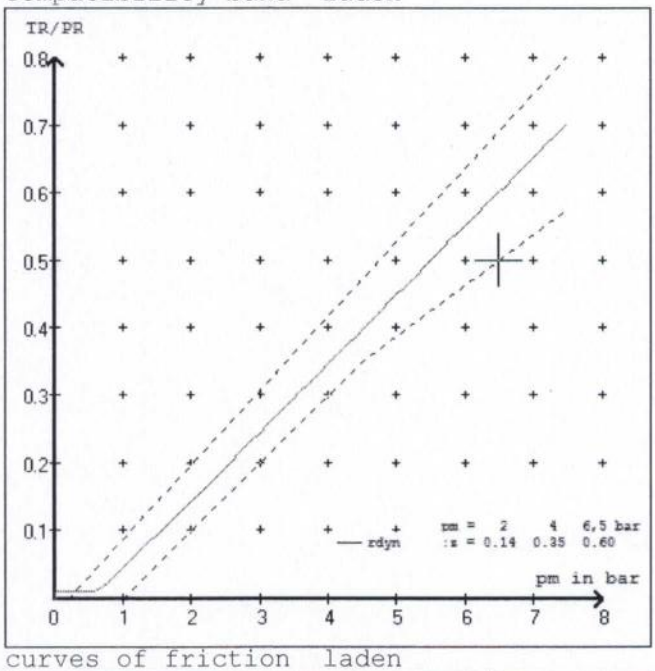
brake chamber pressure laden



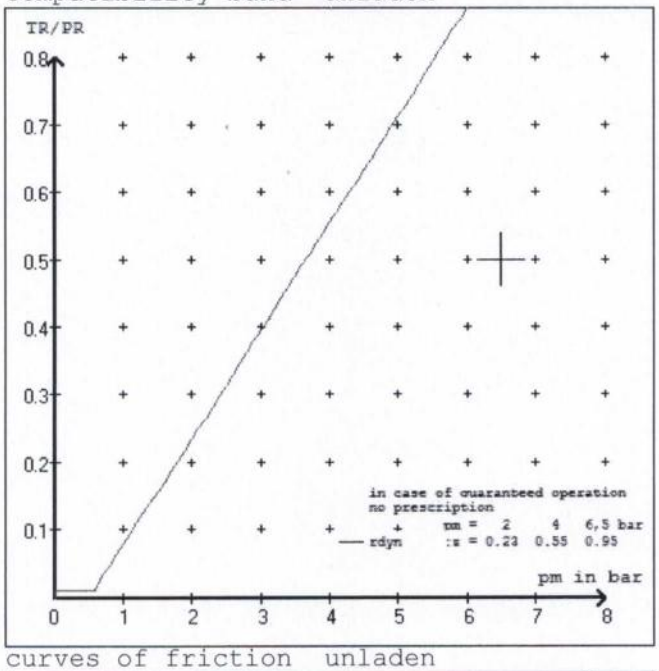
brake chamber pressure unladen



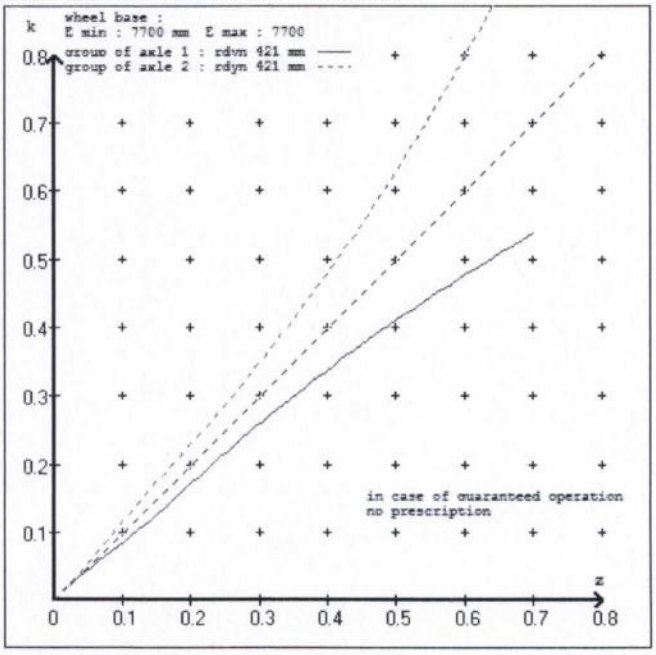
compatibility band laden



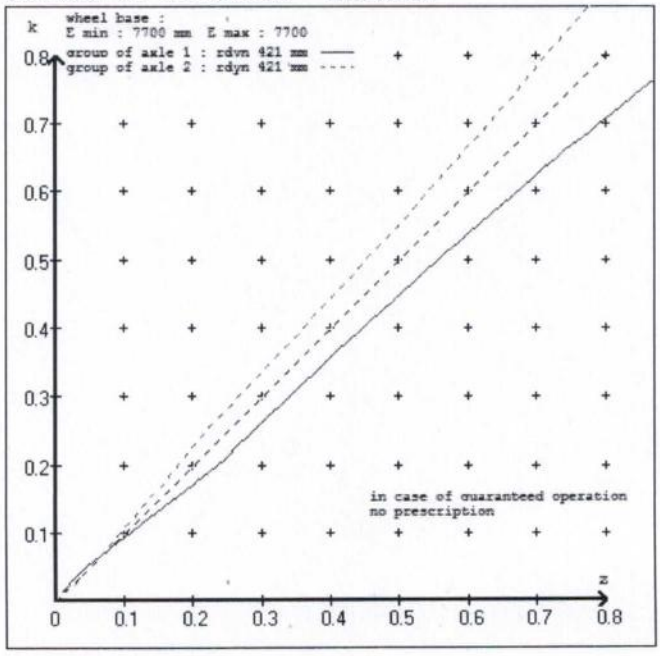
compatibility band unladen



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT
trailer model : 5AFT CURTAINSIDE
trailer type : 5-axle-full-trailer

brake chamber and lever length :

axle 1 :	2 x type/diameter	24	(BPW)	lever length 152 mm
axle 2 :	2 x type/diameter	24	(BPW)	lever length 152 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 : 5AFT CURTAINSIDE
trailer type : 5-axle-full-trailer
brake calculation no. : GenNZ 50294A

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 = 0.142
6.5 bar z = 0.600

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	1650	to be entered by the vehicle manufact.	1.9	8000	to be entered by the vehicle manufact.	0.3	1.2	5.4
2	1650		1.9	8000		0.3	1.2	5.4
3	1360		1.8	6350		0.3	1.4	4.7
4	1360		1.8	6350		0.3	1.4	4.7
5	1360		1.8	6350		0.3	1.4	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	pcyl	axle load	pcyl	axle load	pcyl	axle load	pcyl	axle load	pcyl
1650	1.9	1650	1.9	1360	1.8	1360	1.8	1360	1.8
2150	2.2	2150	2.2	1860	2.1	1860	2.1	1860	2.1
2650	2.5	2650	2.5	2360	2.4	2360	2.4	2360	2.4
3150	2.7	3150	2.7	2860	2.7	2860	2.7	2860	2.7
3650	3.0	3650	3.0	3360	3.0	3360	3.0	3360	3.0
4150	3.3	4150	3.3	3860	3.3	3860	3.3	3860	3.3
4650	3.6	4650	3.6	4360	3.5	4360	3.5	4360	3.5
5150	3.8	5150	3.8	4860	3.8	4860	3.8	4860	3.8
8000	5.4	8000	5.4	6350	4.7	6350	4.7	6350	4.7

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

axle 1 :	reference axle: Assali StefTM / LM / LCen	brake lining:	ROR 685 AF
	test report : TDB 0855 ECE	date :	20110721
axle 2 :	reference axle: Assali StefTM / LM / LCen	brake lining:	ROR 685 AF
	test report : TDB 0855 ECE	date :	20110721
axle 3 :	reference axle: Assali StefTM / LM / LCen	brake lining:	ROR 685 AF
	test report : TDB 0855 ECE	date :	20110721
axle 4 :	reference axle: Assali StefTM / LM / LCen	brake lining:	ROR 685 AF
	test report : TDB 0855 ECE	date :	20110721
axle 5 :	reference axle: Assali StefTM / LM / LCen	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 = 23.0 % Fe
axle 2	(rdyn 421 mm)	T = 23.0 % Fe
axle 3	(rdyn 421 mm)	T = 18.0 % Fe
axle 4	(rdyn 421 mm)	T = 18.0 % Fe
axle 5	(rdyn 421 mm)	T = 18.0 % Fe

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

axle 1	(sp = 75 mm)	s = 65 mm
axle 2	(sp = 75 mm)	s = 65 mm
axle 3	(sp = 72 mm)	s = 54 mm
axle 4	(sp = 72 mm)	s = 54 mm
axle 5	(sp = 72 mm)	s = 54 mm

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

axle1	ThA = 7554 N
axle2	ThA = 7554 N
axle3	ThA = 6413 N
axle4	ThA = 6413 N
axle5	ThA = 6413 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 = 40723 N
axle 2	(rdyn 421 mm)	T = 40723 N
axle 3	(rdyn 421 mm)	T = 28798 N
axle 4	(rdyn 421 mm)	T = 28798 N
axle 5	(rdyn 421 mm)	T = 28798 N

	basic test of subject trailer (E)	type III (calculated) residual (hot)braking
braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11)	0.60	0.49
required braking rate (items 1.5.3 and 1.7.2 to annex 11)		>= 0,4 and >= 0,6*E (0.36)

axle 1	(rdyn 421 mm)	T = 40723 N
axle 2	(rdyn 421 mm)	T = 40723 N
axle 3	(rdyn 421 mm)	T = 28798 N
axle 4	(rdyn 421 mm)	T = 28798 N
axle 5	(rdyn 421 mm)	T = 28798 N

	basic test of subject trailer (E)	type III (calculated) residual (hot)braking
braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11)	0.60	0.49
required braking rate (items 1.5.3 and 1.7.2 to annex 11)		>= 0,4 and >= 0,6*E (0.36)

spring parking brake

		axle 3	axle 4	axle 5
no of TRISTOP-actuators per axle line	KDZ	2	2	2
TRISTOP-actuator type		24/30	24/30	24/30
lever length	lBh in mm	127	127	127
stat. tyre radius	rstat max in mm	401	401	401
at a stroke of	s in mm	30	30	30
min. force of spring brake	TFZ in N	6520	6520	6520
sp.brake chamber no 925		376 000-0376	000-0376	000-0
sp.brake chamber no 925		376 1.. 0376	1.. 0376	1.. 0
release pressure	pLs in bar	4.8	4.8	4.8

calculation:

ratio until road		2.8820	2.8820	2.8820
iFb = lBh*Eta*C*rBt/(2*rBn*rstat)				
	for rstat in mm	401	401	401
brake force of spring br. Tf	in N	37219	37219	37219
Tf = (TFZ*KDZ-2*Co/lBh)*iFb				

braking rate zf laden 0.335
zf = 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 * (1 - PR/P + zferf * h/E) / (1 - zferf / (fzul * nf/ng))

min Ef = 4997 mm for E = 7700 mm
==========
min Ef = 4997 mm for E = 7700 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	=	1987 mm	height of center of gravity - laden
PR	=	19050 kg	maximum bogie mass - laden
P	=	35050 kg	maximum total mass - laden
nf	=	3	no. of axle(s) with TRISTOP spring brake actuators
ng	=	3	no. of bogie axle(s)

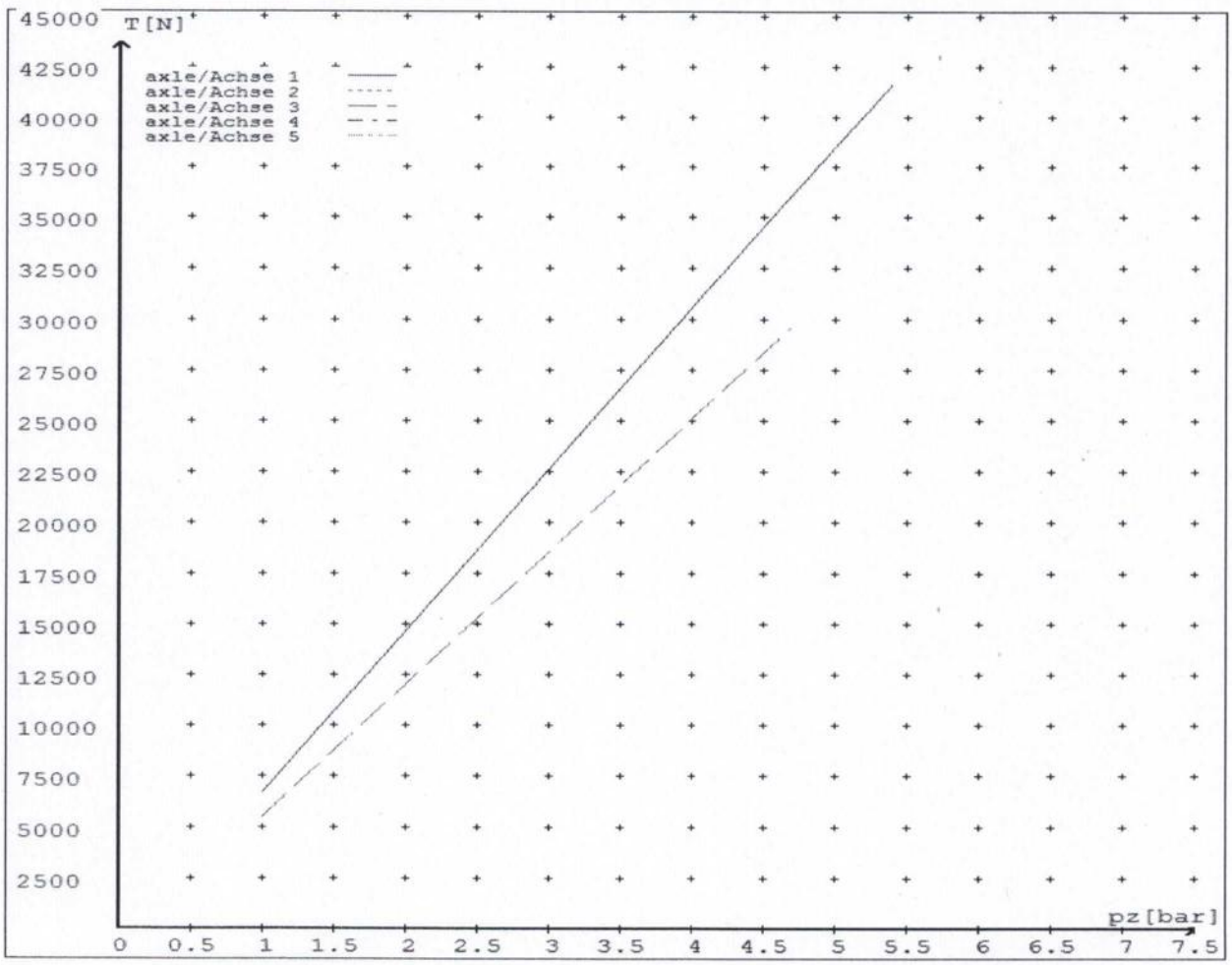
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0 5.4	6614 41660	
axle 2	1.0 5.4	6614 41660	
axle 3	1.0 4.7		5438 29520
axle 4	1.0 4.7		5438 29520
axle 5	1.0 4.7		5438 29520

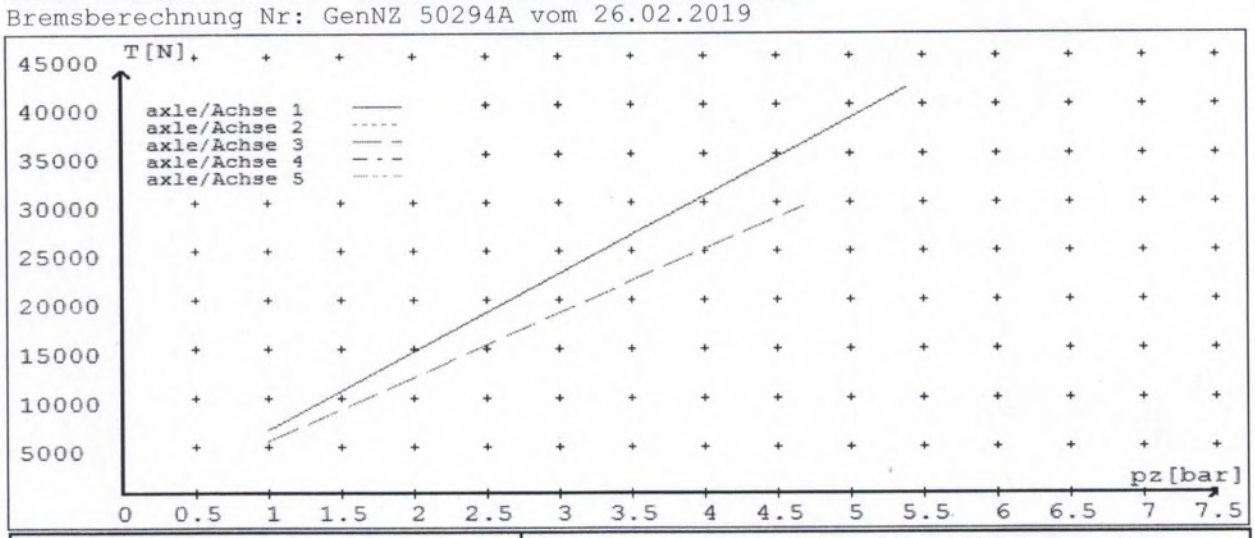
VIN - no.:

	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	75	75	75	75	75
Lever length = ...mm Hebellänge = ...mm	152	152	127	127	127



Print on WABCO no. 899 200 922 4 (only possible with laser printers!)

reference values for z = 0.5 **for max rdyn: 421 mm**
Angabe der Referenzwerte für z = 0.5 für max rdyn: 421 mm
brake calculation no: GenNZ 50294A date 26.02.2019
Bremsberechnung Nr: GenNZ 50294A vom 26.02.2019



	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	75	75	75	75	75
Lever length = ...mm Hebellänge = ...mm	152	152	127	127	127

GOUGH | TWL TRANSPORT WHOLESALE

GOUGH | Transpecs

NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-4
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE

CLIENT

MANUFACTURER:	DOMETT TRAILERS
ADDRESS:	TAURIKO BUSINESS PARK, TAURANGA 3110
FLEET:	NOT SPECIFIED

VEHICLE DETAILS

VEHICLE TYPE:	5AFT CURTAINSIDE	**CERT #:**	CJC195456
YEAR:	2019	**CALCULATION #:**	50294A
MAKE:	DOMETT	**REGO:**	N/A
MODEL:	E2001 H	**LT400 #:**	677356
CHASSIS #:	1810	**ORDER NUMBER:**	6083
VIN #:	7A9E20016K1023810		
GVM: *TONNES*	32	**PRIME MOVER:**	UNKNOWN
LOAD CONFIGURATION:	MIXED FREIGHT		

	FRONT	REAR
GROUP RATINGS: *TONNES*	16	19
WHEEL BASE: *METRES*	7.7	

UNLADEN COG	MAX HEIGHT	HEIGHT DECK
0.7	4.3	1.09

COG: *METRES*	1.987

	FRONT	REAR	TOTAL
TARE: *TONNES*	3.3	4.1	7.4

	FRONT	REAR
TYRE SIZE:	265/70 R19.5	265/70 R19.5
ROLLING CIRCUMFERENCE: *MM*	2645	2645
AXLE SPACING: *METRES*	1.31	2.51

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	ROR_ASSALI_STEFEN	ROR-BMX	TDB 0855
POLE WHEEL FRONT:	80	**POLE WHEEL REAR:**	80
LINING MATERIAL:	ROR 6865 AF	**BRAKE FACTOR:**	9.1
SENSED AXLES:	2 + 4		

SERIAL NUMBERS:

1	
2	
3	
4	
5	

CHAMBER AND VALVING DETAILS

CHAMBERS:	**AXLE 1 & 2**	**AXLE 3 & 4**	**AXLE 5**
BRAND:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
SIZE:	24S	2430 TN2	2430 TN2
STROKE: *MILLIMETRES*	64	64	64
TEST REPORT #:	TSE derived	TSE derived	TSE derived
SPRINGBRAKE FORCE: *kN*	N/A	6.72	6.72
HOLDOFF PRESSURE: *kPa*	N/A	4.8	4.8
FOUNDATION BRAKE:	DRUM	DRUM	DRUM
LEVER LENGTH: *MILLIMETRES*	152	127	127

BRAKE VALVES:	**MAKE:**	**PART NUMBER:**	**PM PRESS.** *kPa*
ECU PART #:	WABCO	480 102 08. 0 (MV)	70 kPa
3RD MODULATOR #:	WABCO	480 207 202 0 (12V)	70 kPa
ANTI-COMPOUNDING:	YES		
SPRING BRAKE RELAY:	WABCO_PREV		
YARD RELEASE VALVE:	WABCO-PREV	971 002 900 0	
INLINE RELAY FITTED:	N/A	N/A	

ECU DIRECTION: ☑ FRONT ☐ REAR

SMARTBOARD/OPTILINK: ☐ SMARTBOARD ☐ OPTI-LINK

SUSPENSION

	FRONT	REAR
SUSPENSION TYPE:	PNEUMATIC	PNEUMATIC
MAKE:	ROR_AIRSPRING	ROR_AIRSPRING
MODEL:	ROR_INTRA	ROR_INTRA
BELLOW SIZE:	CS9I	CS9I
HEIGHT CONTROL VALVE:	464 008 011 0	464 008 011 0
OTHER VALVES:	N/A	N/A
RIDE HEIGHT *MM*:		
HANGER HEIGHT *MM*:		
PEDESTAL HEIGHT *MM*:	0	
LIFTAXLE:	N/A	
TIPPING DUMP SWITCH:	N/A	
LIFTAXLE VALVE:	N/A	

AIR TANKS

AIR TANKS STANDARD: SAE J10A / EN286-2

	FRONT	REAR
BRAKE TANK SIZE: *L*	46	46 + 25
AUXILLARY TANK SIZE: *L*	N/A	46
PRESSURE PROTECTION:	WABCO PEM: 461 513 002 0	

AIR LINES

TEST POINTS:

CONTROL LINE:	X 1	**TANK:**	X 1
REAR CHAMBER:	X 2	**FRONT CHAMBER:**	X 1
DUOMATIC COLOUR CODED:	YES		

ELECTRONIC HEIGHT SENSOR CALIBRATION

	TIMER TICKS [F/R]	MILLIMETRE [F / R]
UPPER LEVEL:	N/A	N/A
NORMAL LEVEL:	N/A	N/A
LOWER LEVEL:	N/A	N/A

CHECKS AT COMMISSION OF VEHICLE

CHAMBER BUNGS REMOVED: ☑ **VALVE MOUNTING:** ☑

ECU BLANKING PLUGS CHECKED: ☑

RESPONSE TIME:	**MODULATOR 2.1**	**MODULATOR 2.2**	**RELAY VALVE**
ms:	N/A	N/A	N/A

NOTES AND SPECIAL CONDITIONS

I UNDERSTAND AND DECLARE THAT I AM THE CERTIFIER IDENTIFIED BELOW AND HOLD A CURRENT VALID APPOINTMENT. I CERTIFY THAT AT THE TIME OF INSPECTION THE ABOVE MENTIONED VEHICLE COMPONENT DESIGN 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.

NEW ZEALAND HEAVY VECHLE BRAKE RULE 32015 /4, SCHEDULE 5.

DATE: 26/02/2019

SIGNED:

CERTIFIER NAME & ID: **CHRIS CLARKE** **CJC**

SODC BY:

PHONE (BUS): 09-980-7300

FAX:

POSTAL ADDRESS: **P.O. Box 98-971, Manukau 2241**
New Zealand

GOUGH Transpecs

NOTICE TO VEHICLE OPERATOR

THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED AND FITTED IN ACCORDANCE WITH THE LAND TRANSPORT HEAVY VEHICLE BRAKE RULE 32015/4.

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

PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION.

EXCERPT FROM LAND TRANSPORT RULE; HEAVY-VEHICLE BRAKES RULE 32015/4. SECTION 10,

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 this rule;

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 person or organisation appointed to carry out specialist inspection and certification of heavy vehicle brakes.

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 New Zealand Transport Authority if dissatisfied with a Compliance issue. (Refer NZTA Deed Of Appointment Para 4.7.4) **NZTA Helpdesk 0800 699 000**

(p.p.).....
(J.Hirst (JEH) HVEK)

GOUGH Transpecs

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an **E**lectronic **B**rake **S**ystem.

To comply with the New Zealand Heavy Vehicle Brake Rule 32015/4, 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.

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

(p.p.)
J E Hirst
(JEH HVEK)
(09 980 7300)

GOUGH Transpecs

NOTICE TO VEHICLE OPERATOR

WABCO Park Release Emergency Valve (PREV)

This trailer is equipped with a WABCO PREV
Part # 971 002 900 0

Application of the park brake via the cab control valve will actuate and apply all service brakes on the trailer. In the event of a leak in the service brake system the Spring Brakes will automatically override and hold the vehicle in compliance to Land Transport Rule: Heavy-vehicle Brakes Rule 32015/4.

When the vehicle is presented for COF the trailer park brake system is tested by pulling the red actuation knob on the PREV, situated mid way down the chassis rail. The cab control in the prime mover does not have to be applied for this test procedure.

If you are unsure of any aspect relating to this instruction please contact either the vehicle manufacturer or myself.

(p.p.)
J E Hirst
(JEH HVEK)
(09 980 7300)