

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

Vehicle registration (optional) _____ VIN/chassis number **7A9C20036K1023881**

Make **DOMETT** Component being certified: Chassis Load anchorage
 Log bolsters Towing connection Brakes
 Model (optional) **C2003 H** SRT PSV stability PSV rollover
 Certification category **HVEK** Swept path PBS

Description of work
CERTIFY TO SCHEDULE 5 OF LTR 32015/5
NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.
3ASBTF CURTAINSIDE **RSS ON TYRE: 265 70 R19.5**

Code/standard/rule certified to **LTR 32015/5** Component load rating(s) **30 Tonnes GVM**
19 Tonnes (Group ratings)
 General drawing number(s) **N/A**

Supporting documents
BRAKE RULE CERTIFICATE JH190826
BRAKE CALCULATION # TP51964

Special conditions (optional)
WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN
EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 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 **29-Aug-19** Number **712945**

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	480 102 080 0
Production date	2018-03-13	Serial number	437005259800B
Serial number (modulator)	000000075414		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2019-08-29 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO	TRAILER EBS-E	GGVS/ADR TUEH TB 2007 - 019.00 TDB0855
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HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS			GIO	Pin1	Pin3	Pin4
TYP TYPE TYPE	3ASBTF CURTAINSIDE			1	24V-01	---	---
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9C20036K1023881			2	---	---	---
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL. DE FREINAGE NO.	TP51964S			3	---	---	---
POLRADZAHNEZAHL e-d e-f POLE WHEEL TEETH e-d e-f DENTS ROUE DENTEE e-d e-f	80	---	ABS-System ABS-System Système ABS	4	---	---	---
RSS RSS RSS	Einfachbereifung Single Tire Monte simple	Lenkachse Steering axle Essieu vireur	2S/2M	5	DIAG	DIAG	DIAG
	Zwillingsbereifung Twin Tire Monte jumelée	Kippkritisches Fahrzeug Critical Trailer Vehicule critique		6	---	---	---
Subsystems	SB	I/O	24N	7	---	---	---


ACHSE AXLE ESSIEU	pm (bar)		6.5		pm (bar)		0.6		2.0		---		6.5		TYP TYPE	(mm)	(mm)	(bar)	
	1.0	Pz	TR (daN)																
1	1200	0.3	1.7	6350	3.6	0.4	1.4	---	4.9	-	24 / 30	64	127	462	2800				
2	1200	0.3	1.7	6350	3.6	0.4	1.4	---	4.9	-	24 / 30	64	127	462	2800				
3	1200	0.3	1.7	6350	3.6	0.4	1.4	---	4.9	-	24	67	127	409	2812				
4	0	---	---	0	---	---	---	---	---	-	---	---	---	---	---				
5	0	---	---	0	---	---	---	---	---	-	---	---	---	---	---				

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 TRAILERS	Vehicle ident. no	7A9C20036K1023881
Vehicle type	3ASBTF CURTAINSIDE	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2019-08-29 1:40:33 PM		

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

distribution: DOMETT TRAILERS
7A9C20036K1023881
SODC: JH190826
LT400: CJC 712945

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 (V6.14.04.20).
-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 03.11.2017

vehicle manufacturer: DOMETT TRAILERS
trailer model : 3ASBTF CURTAINSIDE
trailer type : 3-axle-semi-trailer
remarks : air / hydraulic / VA suspension
WABCO TRAILER - EBS E
TRISTOP 1+2: 24/30 [THE BRAKE CHAMBERS ARE TSE]
265/70 R 19,5

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

		<u>unladen</u>		<u>laden</u>	
total mass	P in kg	5000	- 6000	30000	- 32000
king-pin	PS kg	1400	- 2400	10950	- 12950
axle 1	P1 in kg		1200		6350
axle 2	P2 in kg		1200		6350
axle 3	P3 in kg		1200		6350
total axle mass	PR in kg		3600		19050
wheel base	E in mm	6900	- 7000		
centre of gravity height	h in mm		650		2150
K-factor		Kv min	2.1785	Kc min	0.9888
K-factor		Kv max	2.2120	Kc max	1.0077

	<u>axle 1</u>	<u>axle 2</u>	<u>axle 3</u>
no. of combined axles	1	1	1
no. of brake chambers per axle line KDZ	2	2	2
The power output corresponds to	BC 0051.0BC	0051.0BC	0069.2
brake chamber manufacturer	WABCO	WABCO	BPW
chamber size	24/30	24/30	24.
lever length lBh in mm	127	127	127
brake factor [-]	9.10	9.10	9.10
dyn. rolling radius rdyn min in mm	421	421	421
dyn. rolling radius rdyn max in mm	421	421	421
threshold torque Co Nm	25.0	25.0	25.0

calculation:

chamber pressure(rdyn min)pH at z=22,5%bar	2.0	2.0	2.0
chamber pressure(rdyn max)pH at z=22,5%bar	2.0	2.0	2.0
chamber press.(servo)pcha at pm6,5bar bar	4.9	4.9	4.9
piston force ThA at pm6,5bar N	6942	6942	6971
brake force(rdyn min)T lad. at pm6,5bar N	37657	37657	37815
brake force(rdyn max)T lad. at pm6,5bar N	37657	37657	37815
brake force within 1 % rolling friction proportion %	33.2	33.2	33.6

braking rate z laden 0.605 for rdyn min
z = sum (TR)/PRmax 0.605 for rdyn max

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

brake diagram : 841 701 101 0

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

axle 2:

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 3:

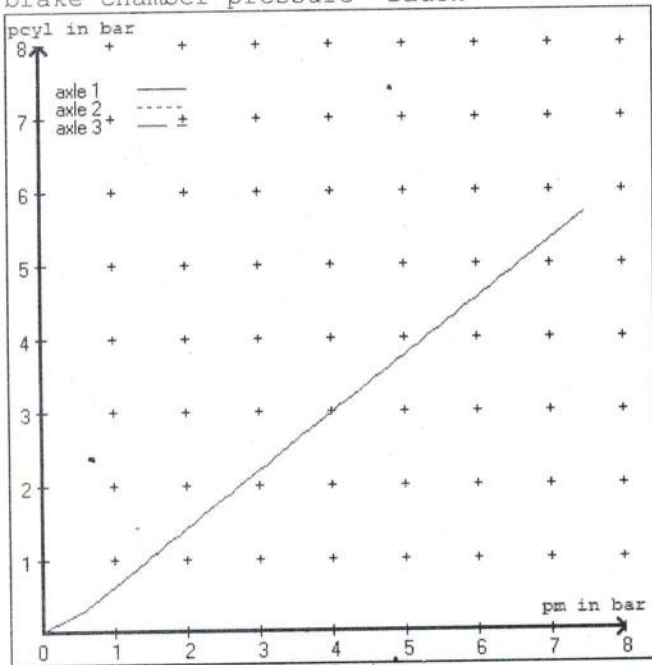
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 () WABCO or 480 207 0.. 0 / 2.. 0
EBS trailer modulator

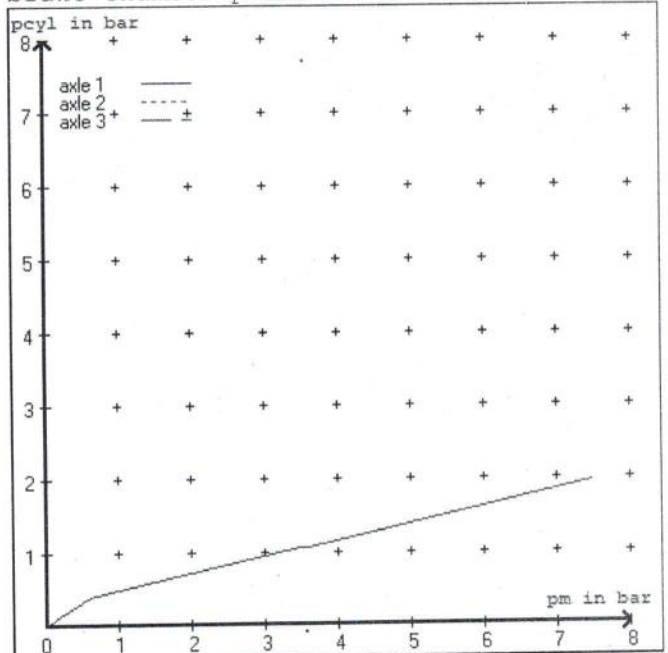
brake cylinder: BPW 05.444.15...

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3
at pm 3.5 bar =>	pcha in bar :	2.6	2.6	2.6
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3
at pm 1.2 bar =>	pcha in bar :	0.7	0.7	0.7

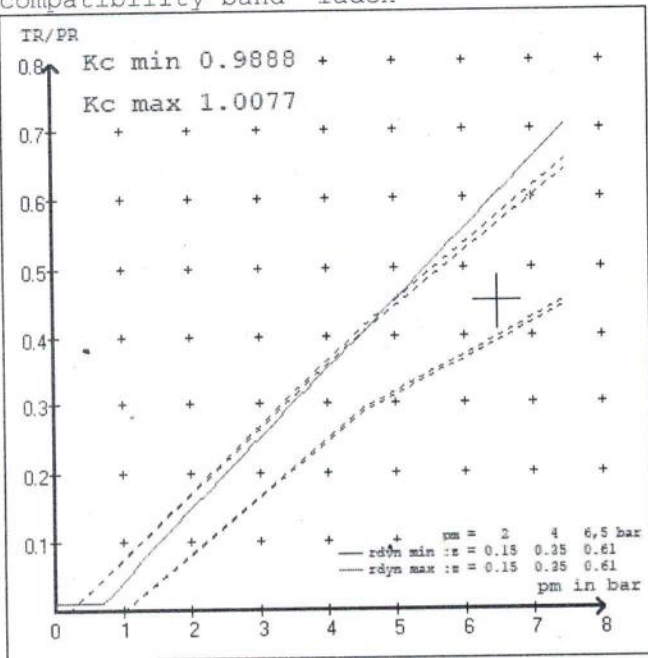
brake chamber pressure laden



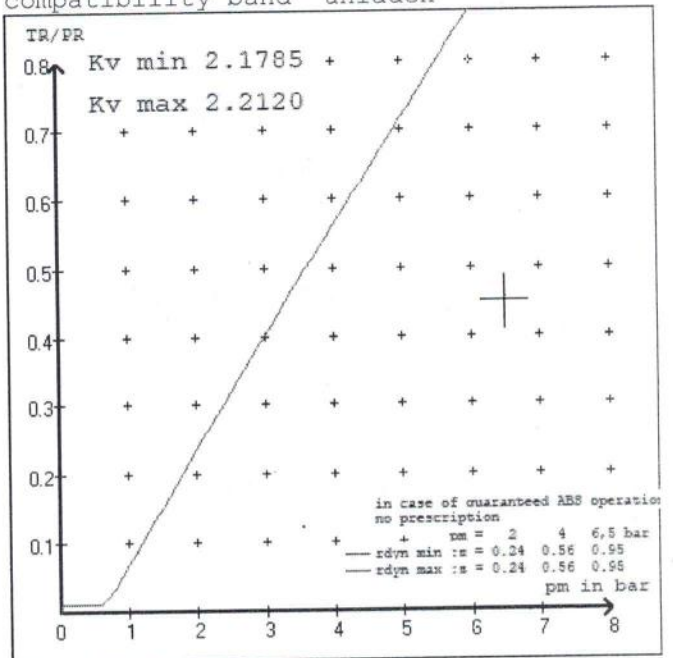
brake chamber pressure unladen



compatibility band laden



compatibility band unladen



in case of guaranteed ABS operation
no prescription

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 3ASBTF CURTAINSIDE
 trailer type : 3-axle-semi-trailer

brake chamber and lever length :
 axle 1 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm
 axle 2 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm
 axle 3 : 2 x type/diameter 24. (BPW) lever length 127 mm

brake diagram : 841 701 101 0

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

EBS input data

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vehicle manufacturer: DOMETT TRAILERS
 trailer model : 3ASBTF CURTAINSIDE
 trailer type : 3-axle-semi-trailer
 brake calculation no. : TP 51964S

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

assignment pm / deceleration z: pm 0.6 bar z = 0.010
 (laden condition) 2.0 bar z = 0.150
 6.5 bar z = 0.600

control pressure pm			6,5	control pressure pm			0.6	2.0	6.5
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden			
1	1200	to be	1.7	6350	to be	0.4	1.4	4.9	
2	1200	entered by the vehicle manufact.	1.7	6350	entered by the vehicle manufact.	0.4	1.4	4.9	
3	1200		1.7	6350		0.4	1.4	4.9	
4	0		0,0	0		0,0	0,0	0,0	
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 load pcy1	axle load pcy1	axle load pcy1
1200	1.7	1200
1700	2.0	1700
2200	2.3	2200
2700	2.6	2700
3200	2.9	3200
3700	3.3	3700
4200	3.6	4200
4700	3.9	4700
6350	4.9	6350

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

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 = 18.3 % Fe
axle 2	(rdyn 421 mm)	T = 18.3 % Fe
axle 3	(rdyn 421 mm)	T = 17.9 % Fe

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

axle 1	(sp = 63 mm)	s = 54 mm
axle 2	(sp = 63 mm)	s = 54 mm
axle 3	(sp = 73 mm)	s = 54 mm

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

axle1	ThA = 6942 N
axle2	ThA = 6942 N
axle3	ThA = 6971 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 = 30925 N
axle 2	(rdyn 421 mm)	T = 30925 N
axle 3	(rdyn 421 mm)	T = 31056 N

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
	0.50

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 (0.36)

axle 1	(rdyn 421 mm)	T = 30925 N
axle 2	(rdyn 421 mm)	T = 30925 N
axle 3	(rdyn 421 mm)	T = 31056 N

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
	0.50

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 (0.36)

spring parking brake

	axle 1	axle 2
no of TRISTOP-actuators per axle line KDZ	2	2
TRISTOP-actuator type	24/30	24/30
lever length lBh in mm	127	127
stat. tyre radius rstat max in mm	401	401
at a stroke of s in mm	30	30
min. force of spring brake TFZ in N	6360	6360
sp.brake chamber no 925	376 005 0376 005 0	
sp.brake chamber no 925	376 2.. 0376 2.. 0	
release pressure pLs in bar	4.9	4.9

calculation:

ratio until road	2.8820	2.8820
$iFb = lBh * \eta * C * rBt / (2 * rBn * rstat)$ for rstat in mm	401	401
brake force of spring br. Tf in N	35525	35525
$Tf = (TFZ * KDZ - 2 * Co / lBh) * iFb$		
braking rate zf laden	0.390	
zf		

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 = 4799 mm for E = 6900 mm

min Ef = 4860 mm for E = 7000 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 = 2150 mm height of center of gravity - laden

PR = 19050 kg maximum bogie mass - laden

P = 32000 kg maximum total mass - laden

nf = 2 no. of axle(s) with TRISTOP spring brake actuators

ng = 3 no. of bogie axle(s)

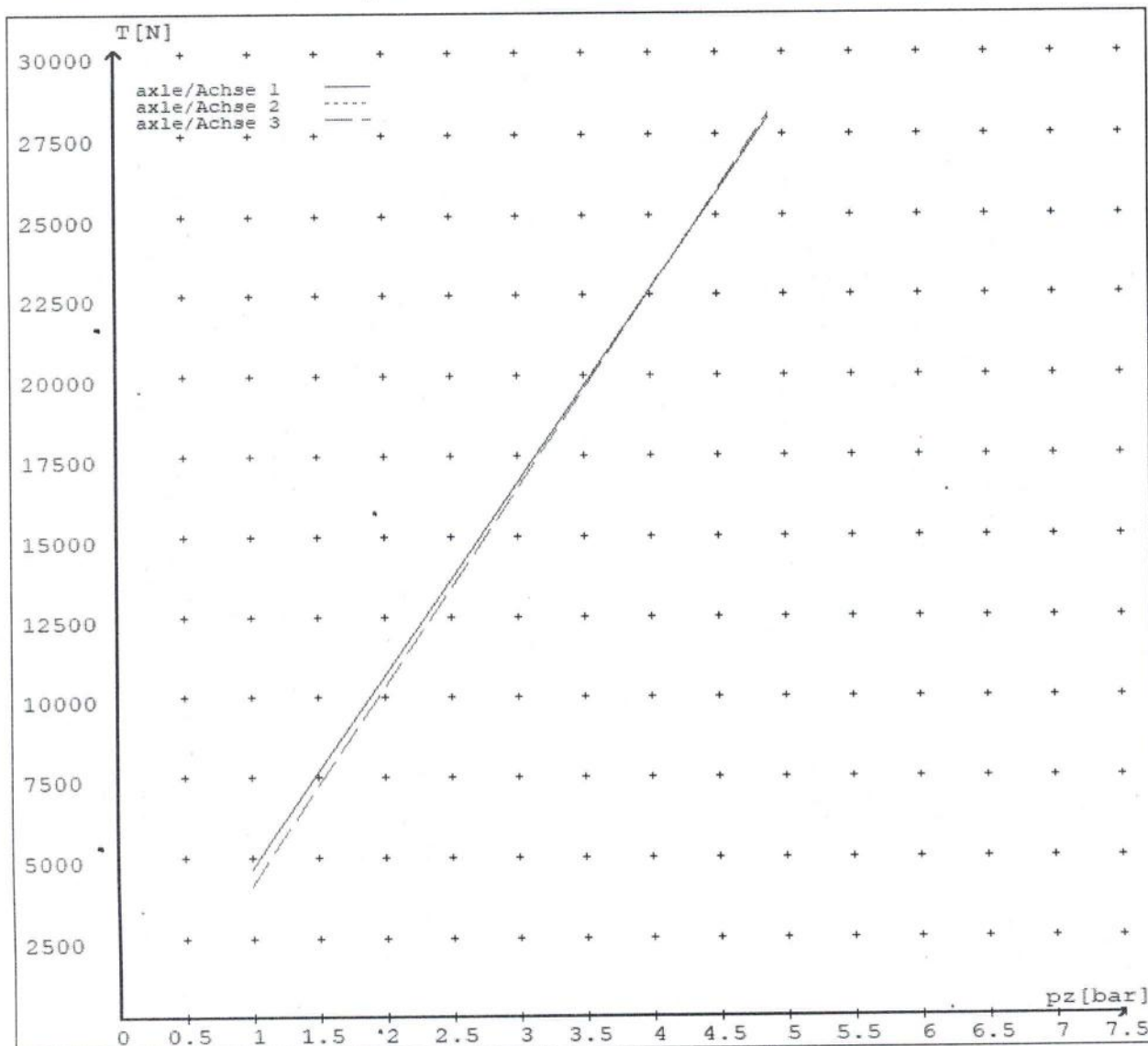
reference values

reference values for z = 45% for max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0		4629
	4.9		28009
axle 2	1.0		4629
	4.9		28009
axle 3	1.0		4094
	4.9		28127

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	24/30	24/30	24./	/	/
Maximum stroke smax = ...mm maximaler Hub smax =mm	64	64	75		
Lever length =mm Hebellänge =mm	127	127	127		



reference values for $z = 0.45$

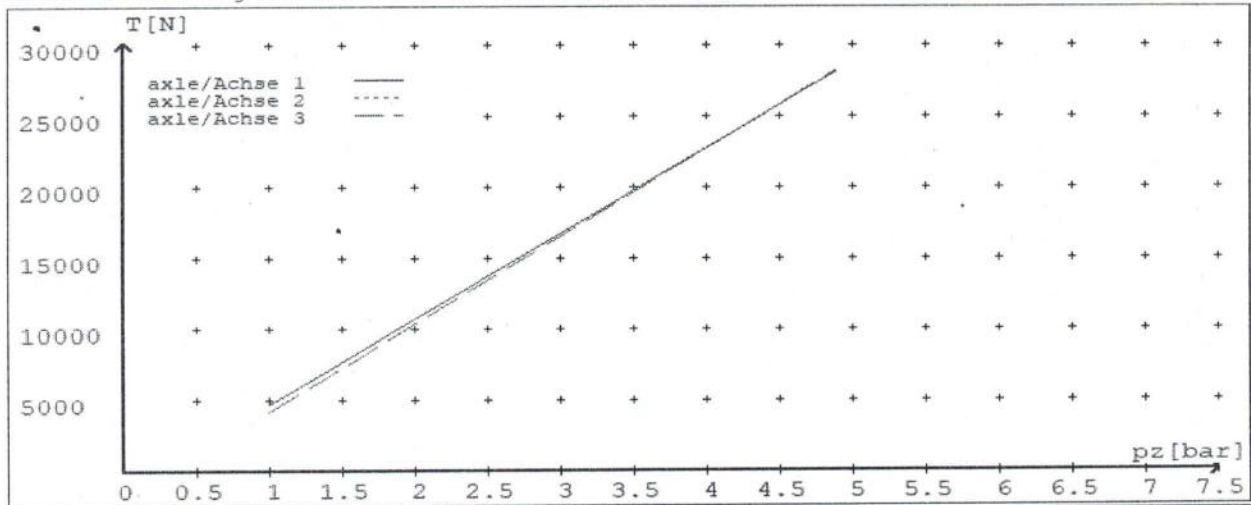
Angabe der Referenzwerte für $z = 0.45$

for max rdyn: 421 mm

für max rdyn: 421 mm

brake calculation no: TP 51964S date 26.08.2019

Bremsberechnung Nr: TP 51964S vom 26.08.2019



	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	24/30	24/30	24./	/	/
Maximum stroke smax = ...mm maximaler Hub smax = ...mm	64	64	75		
Lever length =mm Hebellänge =mm	127	127	127		

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 32015/5.

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 32015/5. 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 47.4) NZTA Helpdesk 0800 699 000

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

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an Electronic Brake System.

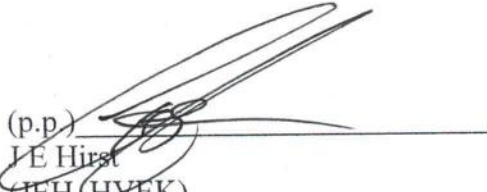
To comply with the New Zealand Heavy Vehicle Brake Rule 32015/5, it must be used only in conjunction with a truck/tractor equipped with a 5 or 7 pin ABS/EBS power supply socket.

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)

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 32015/5.

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)



**NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-5
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE.**

CLIENT

MANUFACTURER:	DOMETT TRAILERS
ADDRESS:	TAURIKURA DRIVE, TAURANGA 3110
FLEET:	AUSTIN TRANSPORT

VEHICLE DETAILS

VEHICLE TYPE:	3ASBTF CURTAINSIDE	CERT #:	JH190826
YEAR:	2019	CALCULATION #:	TP51964
MAKE:	DOMETT	REGO:	N/A
MODEL:	C2003 H	LT400 #:	712945
CHASSIS #:	1881	ORDER NUMBER:	6695
VIN #:	7A9C20036K1023881		
GVM: TONNES	30	PRIME MOVER:	NORTH AMERICAN
LOAD CONFIGURATION:	MIXED FREIGHT		
GROUP RATINGS: TONNES	FRONT	REAR	
	11	19	
WHEEL BASE: METRES	6.98		
	UNLADEN COG	MAX HEIGHT	HEIGHT DECK
	0.65	4.3	1.225
COG: METRES	2.113		
	FRONT	REAR	TOTAL
TARE: TONNES	2	3.6	5.6
TYRE SIZE:		REAR	
		265 70 R19.5	
ROLLING CIRCUMFERENCE: MM		2645	
AXLE SPACING: METRES		3	

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	ROR_ASSALI_STEFEN	ROR-BMX	TDB 0855
STEER AXLE[S]:	NO	POLE WHEEL:	80
LINING MATERIAL:	ROR 6865 AF	BRAKE FACTOR:	9.1
SENSED AXLE:	2		
SERIAL NUMBERS:	1		
	2		
	3		
	4	N/A	

CHAMBER AND VALVING DETAILS

CHAMBERS:	AXLE 1 & 2	AXLE 3	
BRAND:	TSE_CHAMBERS	TSE_CHAMBERS	
SIZE:	2430 TN2	245	
STROKE: MILLIMETRES	64	67	
TEST REPORT #:	TSE derived	TSE derived	
SPRINGBRAKE FORCE: kN	6.72	N/A	
HOLDOFF PRESSURE: kPa	4.8	N/A	
FOUNDATION BRAKE:	DRUM	DRUM	
LEVER LENGTH: MILLIMETRES	127	127	
BRAKE VALVES:	MAKE:	PART NUMBER:	PM PRESS. kPa
ECU PART #:	WABCO	480 102 08. 0 (MV)	60 kPa
3RD MODULATOR #:	N/A	N/A	N/A
ANTI-COMPOUNDING:	YES	ELEX:	N/A
SPRING BRAKE RELAY:	WABCO_PREV	971 002 900 0	
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

	REAR
SUSPENSION TYPE:	PNEUMATIC
MAKE:	ROR_AIRSPRING
MODEL:	ROR_INTRA
BELLOW SIZE:	CS9I
HEIGHT CONTROL VALVE:	464 008 011 0
OTHER VALVES:	N/A
RIDE HEIGHT <i>MM</i> :	230
HANGER HEIGHT <i>MM</i> :	200
PEDESTAL HEIGHT <i>MM</i> :	25
LIFTAXLE:	N/A
TIPPING DUMP SWITCH:	N/A
LIFTAXLE VALVE:	N/A

AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2
	REAR
BRAKE TANK SIZE: <i>L</i>	46 + 25
AUXILLARY TANK SIZE: <i>L</i>	46
PRESSURE PROTECTION:	WABCO PEM: 461 513 002 0

AIR LINES

TEST POINTS:	
CONTROL LINE:	X 1
FIXED AXLE CHAMBERS:	X 2
STEER AXLE CHAMBERS:	N/A

DUOMATIC COLOUR CODED:

YES

TANK:

X 1

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:

DUOMATIC DRILLED:

RESPONSE TIME:	MODULATOR 2.1	MODULATOR 2.2	RELAY VALVE
ms:	250	260	

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 VEHICLE BRAKE RULE 32015/5, SCHEDULE 5.

DATE: 29/08/2019

SIGNED: 

CERTIFIER NAME & ID: JOHN HIRST JEH

SODC ENDORSED BY: CHRIS CLARKE CJC

PHONE (BUS): 09-980-7300