

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

Vehicle registration *(optional)* VIN/chassis number **7 A 9 D 1 0 0 1 5 L 1 0 2 3 9 4 4**

Make **DOMETT** Component being certified: Chassis Load anchorage

Model *(optional)* Log bolsters Towing connection Brakes

Certification category **HVEK** SRT PSV stability PSV rollover Swept path PBS

Description of work
**CERTIFY TO SCHEDULE 5 OF LTR 32015/5
NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.
4A TANKER**

Code/standard/rule certified to **LTR 32015/5** Component load rating(s) **26 Tonnes GVM**

General drawing number(s) **N/A** **30 Tonnes (Group ratings)
RSS TWIN TYRES**

Supporting documents
**BRAKE RULE CERTIFICATE LC200612
BRAKE CALCULATION # 822LPC**

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)*
LANCE CAWTE, L P C

Inspector's signature

Inspector's name *(PRINT IN CAPS)* **CHRIS CLARKE** ID number **C J C**

Date **12-Aug-20** Number **753590**

CoF vehicle inspector ID *(if applicable)* CoF vehicle inspector signature *(if applicable)* Date

All fields are mandatory unless otherwise stated.

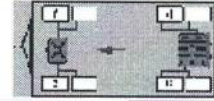
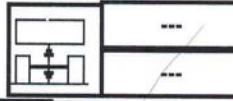
WABCO START-UP LOG

System	Trailer EBS-E	WABCO part number	480 102 064 0
Production date	2017-07-28	Serial number	436035503400G
Serial number (modulator)	000000150273		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2020-08-12 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO TRAILER EBS-E

GGVS/ADR TUEH TB 2007 - 019.00
TDB 0870

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT			GIO	Pin1	Pin3	Pin4
TYP TYPE TYPE	4A TANKER, D1001			1	24V-O1	---	---
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9D10015L1023944			2	---	---	---
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	822LPC, 2020SAF4AWPC			3	ALS2	ALS2	---
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	4	---	---	---
RSS RSS RSS	Einfachbereifung Single Tire Monte simple		Lenkachse Steering axle Essieu vireur	5	DIAG	DIAG	DIAG
	Zwillingsbereifung Twin Tire Monte jumelé	X	Kippkritisches Fahrzeug Critical Trailer Véhicule critique	6	---	---	---
Subsystems	---	I/O	24N	7	---	---	---



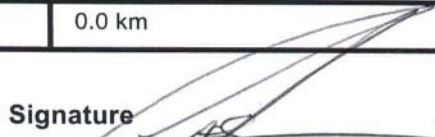
ACHSE AXLE ESSIEU	pm (bar)		6.5		pm (bar)		0.8		2.0		---		6.5		TYP TYPE	(mm)	(mm)	(bar)	
	+	-	+	-	+	-	+	-	+	-	+	-	+	-				1.0	Pz
1	1400	0.5	1.5	7500	4.7	0.4	1.3	---	5.5	-	20	65	76	534	4241				
2	1400	0.5	1.5	7500	4.7	0.4	1.3	---	5.5	-	20	65	76	534	4241				
3	1200	0.4	1.2	7500	4.7	0.4	1.5	---	4.6	-	16 / 16	63	76	496	3115				
4	1200	0.4	1.2	7500	4.7	0.4	1.5	---	4.6	-	16 / 16	63	76	496	3115				
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	Vehicle ident. no	7A9D10015L1023944
Vehicle type	4A TANKER, D1001	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2020-08-12 2:57:24 PM		

distribution: DOMETT
2020 SAF 4A WPC

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 (V6.18.07.12).
-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 V6.18.07.12 db 31.08.2018

vehicle manufacturer: DOMETT
trailer model : 4A TANKER, D1001
trailer type : 4-axle-full-trailer
remarks : air / hydraulic / VA suspension
WABCO TRAILER - EBS
TRISTOP 3+4: 16/16
265/70 R 19,5

axle 1 + 2 + 3 + 4 : SAF, SBS 1918, TDB 0870 ECE,

		<u>unladen</u>	<u>laden</u>
total mass	P in kg	5200	30000
axle 1	P1 in kg	1400	7500
axle 2	P2 in kg	1400	7500
axle 3	P3 in kg	1200	7500
axle 4	P4 in kg	1200	7500
wheel base	E in mm	5070 - 5070	
centre of gravity height	h in mm	700	1534

	<u>axle 1</u>	<u>axle 2</u>	<u>axle 3</u>	<u>axle 4</u>
no. of combined axles	1	1	1	1
no. of brake chambers per axle line	2	2	2	2
The power output corresponds to	BZ 122.1	BZ 122.1BC	0006.0BC	0006.0
brake chamber manufacturer	Meritor	Meritor	WABCO	WABCO
chamber size	20.	20.	16/16	16/16
lever length	lBh in mm	76	76	76
brake factor	[-]	22.37	22.37	22.37
dyn. rolling radius	rdyn min in mm	421	421	421
dyn. rolling radius	rdyn max in mm	421	421	421
threshold torque	Co Nm	6.0	6.0	6.0

calculation:

chamber pressure (rdyn min) pH at z=22,5%bar	2.1	2.1	2.1	2.1
chamber pressure (rdyn max) pH at z=22,5%bar	2.1	2.1	2.1	2.1
chamber press. (servo) pcha at pm6,5bar bar	5.5	5.5	4.6	4.6
piston force ThA at pm6,5bar N	6332	6332	4648	4648
brake force (rdyn min) T lad. at pm6,5bar N	51239	51239	37636	37636
brake force (rdyn max) T lad. at pm6,5bar N	51239	51239	37636	37636
Brake force incl. 1 % rolling resistance proportion %	26.5	26.5	23.5	23.5

braking rate z laden 0.604 for rdyn min
z = sum (TR)/PRmax 0.604 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: 480 207 0.. 0 WABCO or 480 207 2.. 0
EBS relay valve

brake cylinder: Meritor 20HSCLD65

axle 2:

valve 1: 480 207 0.. 0 WABCO or 480 207 2.. 0
EBS relay valve

brake cylinder: Meritor 20HSCLD65

axle 3:

valve 1: 480 102 ... 0 WABCO
EBS trailer modulator

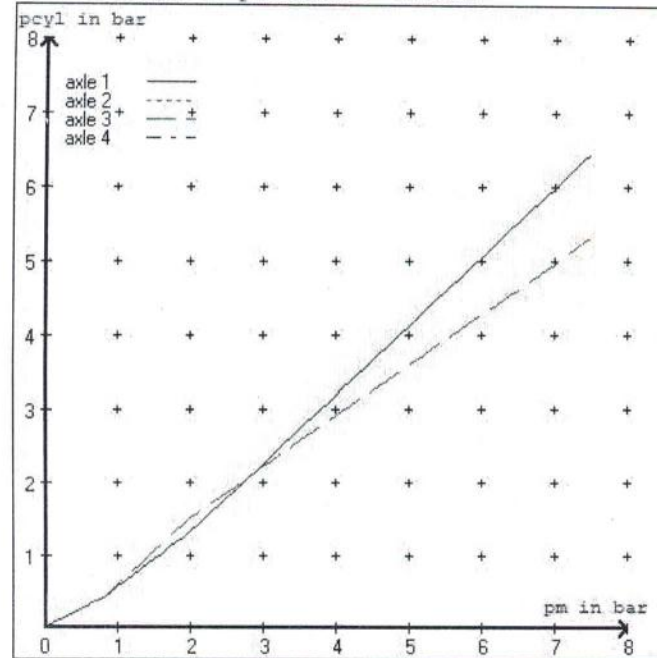
brake cylinder: WABCO 925 464 4.. 0 / 925 484 96. 0

axle 4:

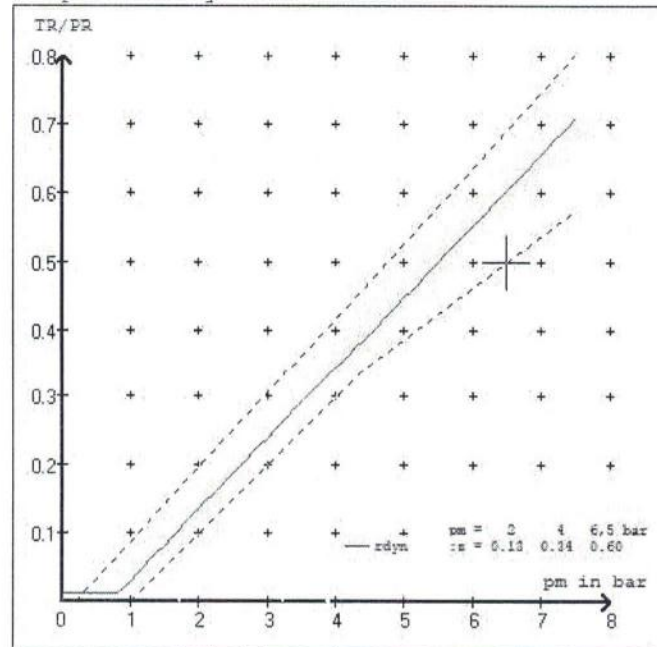
valve 1: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: WABCO 925 464 4.. 0 / 925 484 96. 0

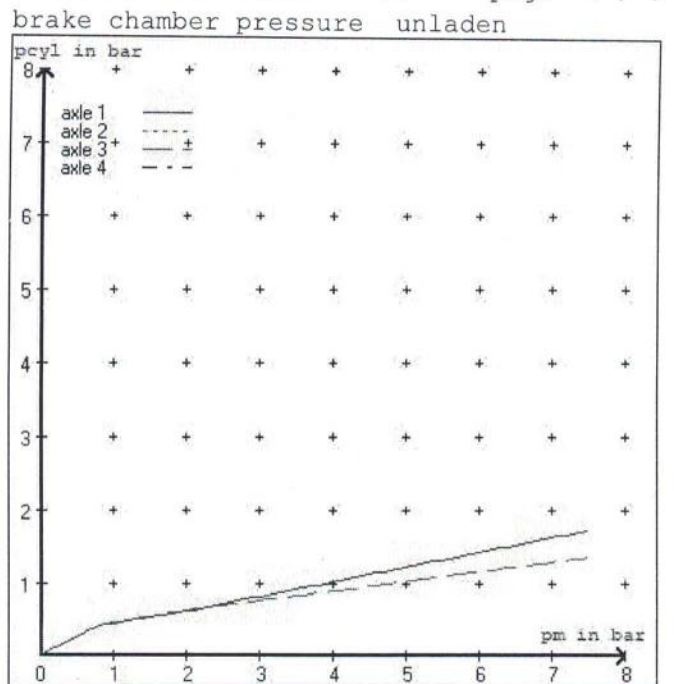
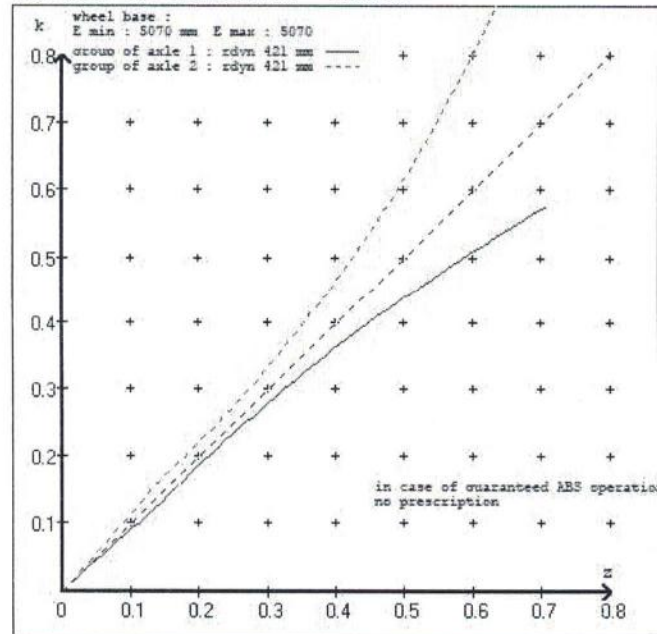
test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4
at pm 3.6 bar =>	pcha in bar :	2.8	2.8	2.6	2.6
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4
at pm 1.3 bar =>	pcha in bar :	0.8	0.8	0.9	0.9



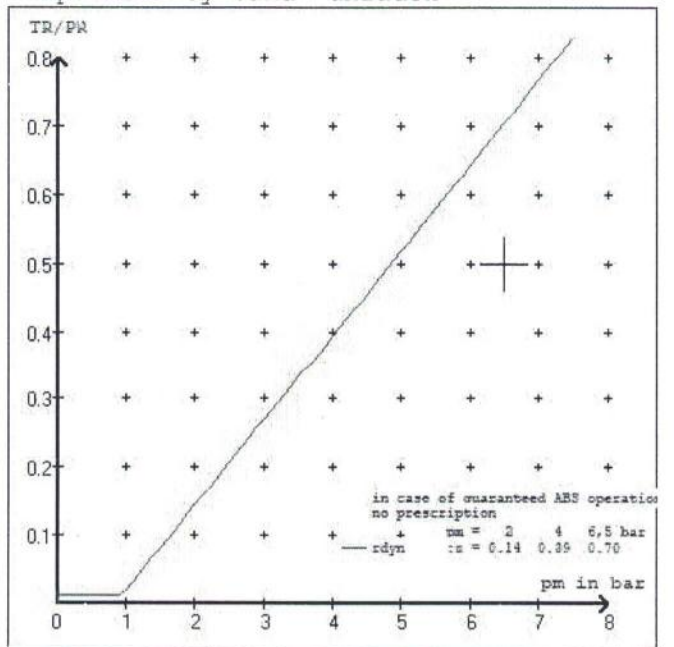
compatibility band laden



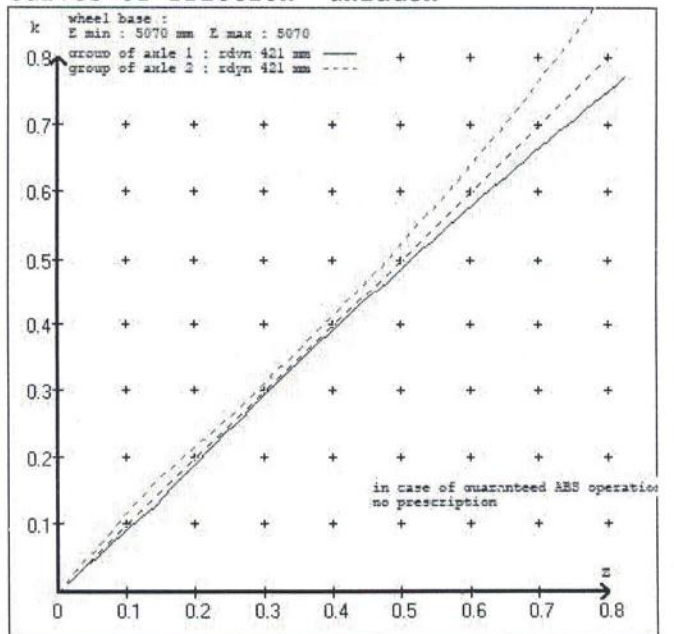
curves of friction laden



compatibility band unladen



curves of friction unladen



vehicle manufacturer: DOMETT
 trailer model : 4A TANKER, D1001
 trailer type : 4-axle-full-trailer

brake chamber and lever length :

axle 1 : 2 x type/diameter 20. (Meritor) lever length 76 mm
 axle 2 : 2 x type/diameter 20. (Meritor) lever length 76 mm
 axle 3 : 2 x type/diameter 16/16 (WABCO) lever length 76 mm
 axle 4 : 2 x type/diameter 16/16 (WABCO) lever length 76 mm

brake diagram :

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

EBS input data

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vehicle manufacturer: DOMETT
 trailer model : 4A TANKER, D1001
 trailer type : 4-axle-full-trailer
 brake calculation no. : TP 2020A

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

assignment pm / deceleration z: pm 0.8 bar z = 0.010
 (laden condition) 2.0 bar z = 0.134
 6.5 bar z = 0.600

control pressure pm			6,5	control pressure pm			0.8	2.0	6.5
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden			
1	1400	to be	1.5	7500	to be	0.4	1.3	5.5	
2	1400	entered by the vehicle manufact.	1.5	7500	entered by the vehicle manufact.	0.4	1.3	5.5	
3	1200		1.2	7500		0.4	1.5	4.6	
4	1200		1.2	7500		0.4	1.5	4.6	
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
1400	1400	1200	1200
1900	1900	1700	1700
2400	2400	2200	2200
2900	2900	2700	2700
3400	3400	3200	3200
3900	3900	3700	3700
4400	4400	4200	4200
4900	4900	4700	4700
7500	7500	7500	7500

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

axle 1 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870 ECE	date : 20131111
axle 2 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870 ECE	date : 20131111
axle 3 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870 ECE	date : 20131111
axle 4 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870 ECE	date : 20131111

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

axle 1	(rdyn 421 mm)	T = 24.1 % Fe
axle 2	(rdyn 421 mm)	T = 24.1 % Fe
axle 3	(rdyn 421 mm)	T = 20.0 % Fe
axle 4	(rdyn 421 mm)	T = 20.0 % Fe

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

axle 1	(sp = 58 mm)	s = 47 mm
axle 2	(sp = 58 mm)	s = 47 mm
axle 3	(sp = 50 mm)	s = 47 mm
axle 4	(sp = 50 mm)	s = 47 mm

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

axle1	ThA = 6332 N
axle2	ThA = 6332 N
axle3	ThA = 4648 N
axle4	ThA = 4648 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 = 38993 N
axle 2	(rdyn 421 mm)	T = 38993 N
axle 3	(rdyn 421 mm)	T = 28649 N
axle 4	(rdyn 421 mm)	T = 28649 N

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

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

0.60 0.46

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 = 38993 N
axle 2	(rdyn 421 mm)	T = 38993 N
axle 3	(rdyn 421 mm)	T = 28649 N
axle 4	(rdyn 421 mm)	T = 28649 N

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

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

0.60 0.46

required braking rate
(items 1.5.3 and 1.7.2 to annex 11)

>= 0,4 and
>= 0,6*E (0.36)

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

axle 1 : reference axle: SAF	SBS 1937	brake lining: SAF 607
test report :	TDB 0870 ECE	date : 2014520
axle 2 : reference axle: SAF	SBS 1937	brake lining: SAF 607
test report :	TDB 0870 ECE	date : 2014520
axle 3 : reference axle: SAF	SBS 1937	brake lining: SAF 607
test report :	TDB 0870 ECE	date : 2014520
axle 4 : reference axle: SAF	SBS 1937	brake lining: SAF 607
test report :	TDB 0870 ECE	date : 2014520

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 = 24.1 % Fe
axle 2	(rdyn 421 mm)	T = 24.1 % Fe
axle 3	(rdyn 421 mm)	T = 20.0 % Fe
axle 4	(rdyn 421 mm)	T = 20.0 % Fe

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

axle 1	(sp = 58 mm)	s = 46 mm
axle 2	(sp = 58 mm)	s = 46 mm
axle 3	(sp = 50 mm)	s = 46 mm
axle 4	(sp = 50 mm)	s = 46 mm

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

axle1	ThA = 6332 N
axle2	ThA = 6332 N
axle3	ThA = 4648 N
axle4	ThA = 4648 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 = 40838 N
axle 2	(rdyn 421 mm)	T = 40838 N
axle 3	(rdyn 421 mm)	T = 29995 N
axle 4	(rdyn 421 mm)	T = 29995 N

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

braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11)	0.60	0.48
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required braking rate (items 1.5.3 and 1.7.2 to annex 11)		>= 0,4 and >= 0,6*E (0.36)
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axle 1	(rdyn 421 mm)	T = 40838 N
axle 2	(rdyn 421 mm)	T = 40838 N
axle 3	(rdyn 421 mm)	T = 29995 N
axle 4	(rdyn 421 mm)	T = 29995 N

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

braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11)	0.60	0.48
---	------	------

required braking rate (items 1.5.3 and 1.7.2 to annex 11)		>= 0,4 and >= 0,6*E (0.36)
--	--	-------------------------------

	<u>axle 3</u>	<u>axle 4</u>
no of TRISTOP-actuators per axle line KDZ	2	2
TRISTOP-actuator type	16/16	16/16
lever length	76	76
stat. tyre radius	401	401
at a stroke of	30	30
min. force of spring brake	6282	6282
sp.brake chamber no 925	464 4.. 0464	4.. 0
sp.brake chamber no 925	484 96. 0484	96. 0
release pressure	5.0	5.0

calculation:

ratio until road	4.2397	4.2397
$iFb = lBh * \eta * C * rBt / (rBn * rstat)$		
for rstat in mm	401	401
brake force of spring br. Tf in N	52598	52598
$Tf = (TFZ * KDZ - 2 * Co / lBh) * iFb$		
braking rate	0.367	
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

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

$$\min Ef = 3627 \text{ mm for } E = 5070 \text{ mm}$$

$$\min Ef = 3627 \text{ mm for } E = 5070 \text{ mm}$$

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 = 1534 mm height of center of gravity - laden

PR = 15000 kg maximum bogie mass - laden

P = 30000 kg maximum total mass - laden

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

ng = 2 no. of bogie axle(s)

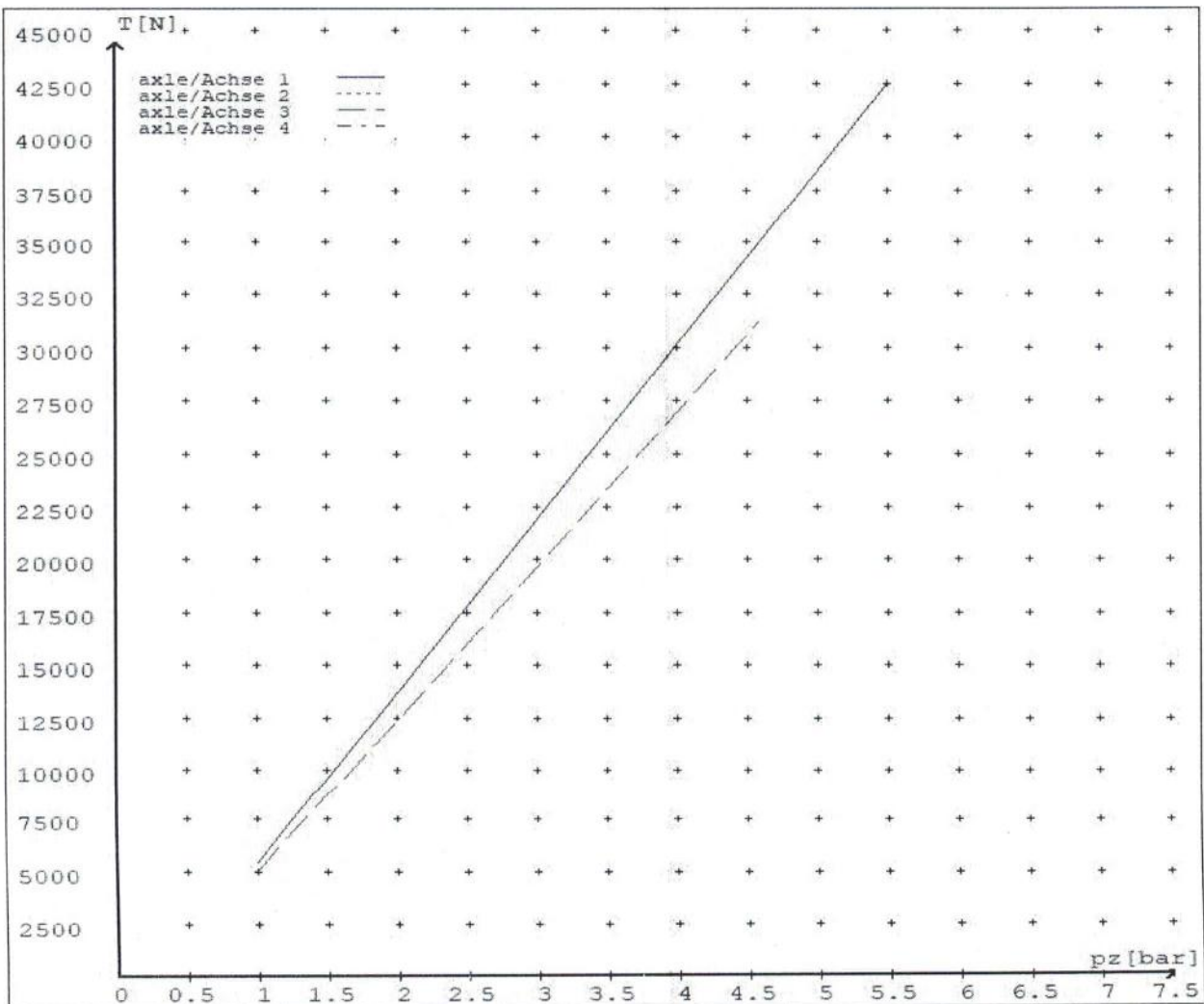
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5350	
	5.5	42416	
axle 2	1.0	5350	
	5.5	42416	
axle 3	1.0		4969
	4.6		31156
axle 4	1.0		4969
	4.6		31156

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	20./	20./	16/16	16/16	/
Maximum stroke smax = ...mm maximaler Hub smax =mm	65	65	63	63	
Lever length =mm Hebellänge =mm	76	76	76	76	



reference values for z = 0.5

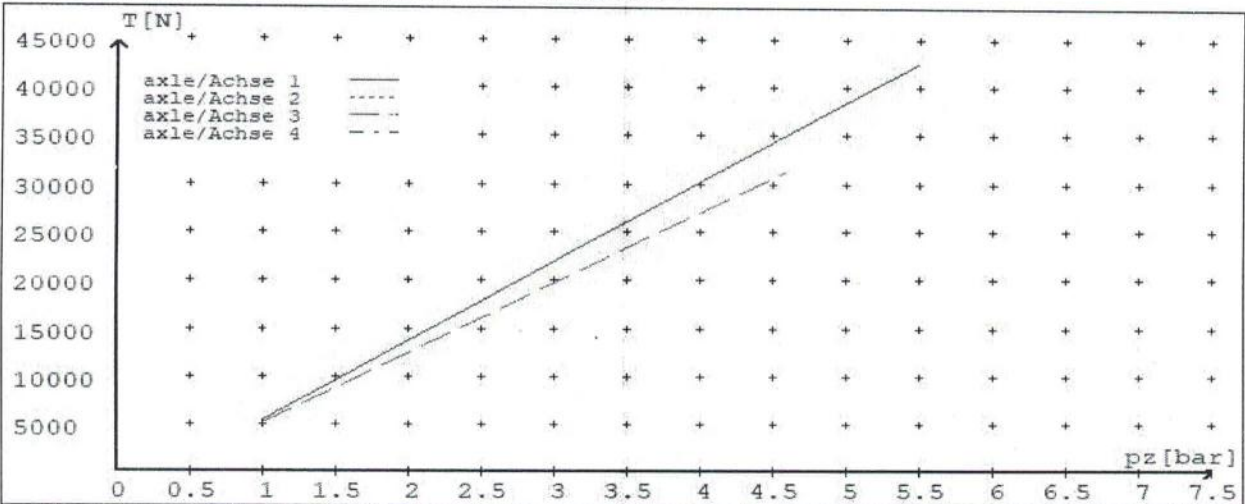
Angabe der Referenzwerte für z = 0.5

for max rdyn: 421 mm

für max rdyn: 421 mm

brake calculation no: TP 2020A date 16.04.2020

Bremsberechnung Nr: TP 2020A vom 16.04.2020



	Axle (s) / Achse (n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	20./	20./	16/16	16/16	/
Maximum stroke s_{max} = ...mm maximaler Hub s_{max} = ...mm	65	65	63	63	
Lever length =mm Hebellänge =mm	76	76	76	76	

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

CLIENT

MANUFACTURER:	DOMETT TRUCK & TRAILERS
ADDRESS:	Taurikura Drive, Tauranga 3110
FLEET:	FONTERRA

VEHICLE DETAILS

VEHICLE TYPE:	4A TANKER	CERT #:	LC200612
YEAR:	2020	CALCULATION #:	822LPC
MAKE:	DOMETT	REGO:	
MODEL:	D1001	LT400 #:	753590
CHASSIS #:	1944	ORDER NUMBER:	7142
VIN #:	7A9D10015L1023944		
GVM: TONNES	26	PRIME MOVER:	EBS / EUROPEAN
LOAD CONFIGURATION:	UNIFORM DENSITY		
GROUP RATINGS: TONNES	FRONT	REAR	
	15	15	
WHEEL BASE: METRES	5.07		
	UNLADEN COG	MAX HEIGHT	HEIGHT DECK
	0.7	2.485	1
COG: METRES	1.534		
	FRONT	REAR	TOTAL
TARE: TONNES	2.8	2.4	5.2
	FRONT	REAR	
TYRE SIZE:	265 70 R19.5	265 70 R19.5	
ROLLING CIRCUMFERENCE: MM	2645	2645	
AXLE SPACING: METRES	1.3	1.3	

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT	
AXLE:	SAF	SAF-Z19S	TDB0870	
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90	
LINING MATERIAL:	SAF 607	BRAKE FACTOR:	22.37	
SENSED AXLES:	1 & 3	NOTES:		
SERIAL NUMBERS:	1			IU
	2			IU
	3			IU
	4			IU

CHAMBER AND VALVING DETAILS

CHAMBERS:	AXLE 1 & 2	AXLE 3 & 4	
BRAND:	TSE_CHAMBERS	WABCO_CHAMBERS	
SIZE:	20HSCLD	1616 (925/464/461/0)	
STROKE: <i>MILLIMETRES</i>	65	59	
TEST REPORT #:	BC 0041.0 Jul '07	BC 0006.0	
SPRINGBRAKE FORCE: <i>kN</i>	N/A	6.28	
HOLDOFF PRESSURE: <i>kPa</i>	N/A	5	
FOUNDATION BRAKE:	SAF SBS1918	SAF SBS1918	
LEVER LENGTH: <i>MILLIMETRES</i>	76	76	
BRAKE VALVES:	MAKE:	PART NUMBER:	PM PRESS. <i>kPa</i>
ECU PART #:	WABCO	480 102 064 0 (24V)	80 kPa
3RD MODULATOR #:	WABCO	480 207 001 0 (24V)	80 kPa
ANTI-COMPOUNDING:	YES		
SPRING BRAKE RELAY:	SEALCO_SBR	110701	
YARD RELEASE VALVE:	SEALCO_YR	17600B	
INLINE RELAY FITTED:	N/A	N/A	
ECU DIRECTION:	<input checked="" type="checkbox"/> FRONT <input type="checkbox"/> REAR	FRONT FRICTION: μ	0.51
SMARTBOARD/OPTILINK:	<input type="checkbox"/> SMARTBOARD <input type="checkbox"/> OPTI-LINK		
ELEX:	<input type="checkbox"/> ELEX 446 122 070 0 <input type="checkbox"/> TAILGUARD		

SUSPENSION

	FRONT	REAR
SUSPENSION TYPE:	PNEUMATIC	PNEUMATIC
MAKE:	SAF_AIRSPRING	SAF_AIRSPRING
MODEL:	SAF_INTRA	SAF_INTRA
BELLOW SIZE:	2619, 300mm	2619, 300mm
HEIGHT CONTROL VALVE:	464 008 011 0	464 008 011 0
OTHER VALVES:	N/A	N/A
RIDE HEIGHT <i>MM</i> :	250	250
HANGER HEIGHT <i>MM</i> :	200	200
PEDESTAL HEIGHT <i>MM</i> :	NIL	NIL
LIFTAXLE:		N/A
DUMP SWITCH:		PNEUMATIC
LIFTAXLE VALVE:		N/A
PRESSURE LIMITING:		N/A

AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2	
	FRONT	REAR
BRAKE TANK SIZE: <i>L</i>	12113P, 46L	12113P, 46L
AUXILLARY TANK SIZE: <i>L</i>		12113P, 46L
PRESSURE PROTECTION:	WABCO PEM: 461 513 002 0	

AIR LINES**TEST POINTS:**

CONTROL LINE:	FILTER X 1	TANK:	ECU X 1
REAR CHAMBER:	ECU X 2	FRONT CHAMBER:	LEFT 1st X 1
TRIOMATIC 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:	255	260	310

NOTES AND SPECIAL CONDITIONS

SUSPENSION DUMP VALVE 3042402 3/2 way manual valve

REASON FOR CERTIFICATION: NEW TRAILER

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: 12/08/2020

SIGNED:

CERTIFIER NAME & ID:

CHRIS CLARKE

CJC

SODC BY:

LANCE CAWTE

LPC

PHONE (BUS):

09-980-7300

FAX:

POSTAL ADDRESS:

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