

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

CHRIS CLARKE

ID

CJC

Plate number (optional)

VIN/chassis number

7A9D110011N2023176

Make

DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)

D1001

Log bolsters

Towing connection

Brakes

Certification category

HVER

SRT

PSV stability

PSV rollover

Swept path

PBS

Description of work

CERTIFY TO SCHEDULE 5 OF LTR 32015: NZ HEAVY VEHICLE BRAKE SPECIFICATION.
 CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOCOL.
 4A TANKER
 FOR SYSTEM ARCHITECTURE, PLEASE REFER TO PDS WORKSHEET & SCHEMATIC.
 RSS ON TYRE: 265 70 R19.5

Code/standard/rule certified to

LTR 32015, SCHEDULE 5

Component load rating(s)

26 Tonnes GVM

General drawing number(s)

N/A

15 Tonne (Front group ratings)

15 Tonne (Rear group ratings)

Supporting documents

BRAKE RULE CERTIFICATE

LC220416

BRAKE CALCULATION #

2022 SAF 4A WPC

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

LPC

Inspector's signature



Inspector's name (PRINT IN CAPS)

CHRIS CLARKE

ID number

CJC

Date

17.05.2022

Number

825569

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	2020-12-15	Serial number	436080554400F
Serial number (modulator)	000000539583		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-05-17 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO

TRAILER EBS-E

GGV/ADR TUEH TB 2007 - 019.00
TDB 0870

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT		
TYPE TYPE TYPE	4A TANKER, D1001		
TRUCK IDENT NUMBER CHASSIS DE CHASSIS NUMERO DE CHASSIS	7A9D10011N2023176		
BREMSRECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL. DE FREINAGE NO.	2022 SAF 4A WPC		
POLYAZAHNWEZEL c-d1 e1 POLE WHEEL TEETH c-d1 e1 DENTS ROUE DENTEE c-d1 e1	90	90	ABS System ABS-System Systeme ABS
Einbaubezeichnung Single Tire Montre Sample			4S/3M
RSS RSS RSS			
Zwillingssperreleitung Twin Tire Inhibe Funelle	X		
Leunachse Steering axle Essieu Vitour			
Kipprichtliches Fahrzeug Critical Trailer Vehicule critique			
Subsystems	...	I/O	24N

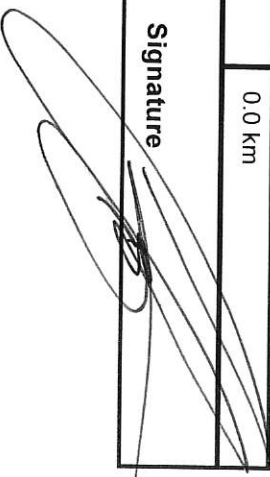
GIO	Pin1	Pin3	Pin4
1	24 V-O1	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---

ACHSE AXLE ESSIEU	6.5			6.5			TR (dan)	Pz						
	pm (bar)	pm (bar)	0.8	2.0	---	6.5								
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
4	1200	0.4	1.2	7500	4.7	0.4	1.5	---	4.6	-	16 / 16	63	76	496
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.	7A9D10011N2023176
Vehicle type	4A TANKER, D1001	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature	
Date	2022-05-17 11:35:01 am		

distribution: DOMETT
 2022 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,

		unladen	Laden
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	1492

	axle 1	axle 2	axle 3	axle 4
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	76	76	76	76
brake factor	22.37	22.37	22.37	22.37
dyn. rolling radius	421	421	421	421
dyn. rolling radius	421	421	421	421
threshold torque	Co	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	5.5	5.5	4.6	4.6
piston force	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	26.5	26.5	23.5	23.5
proportion	%			

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

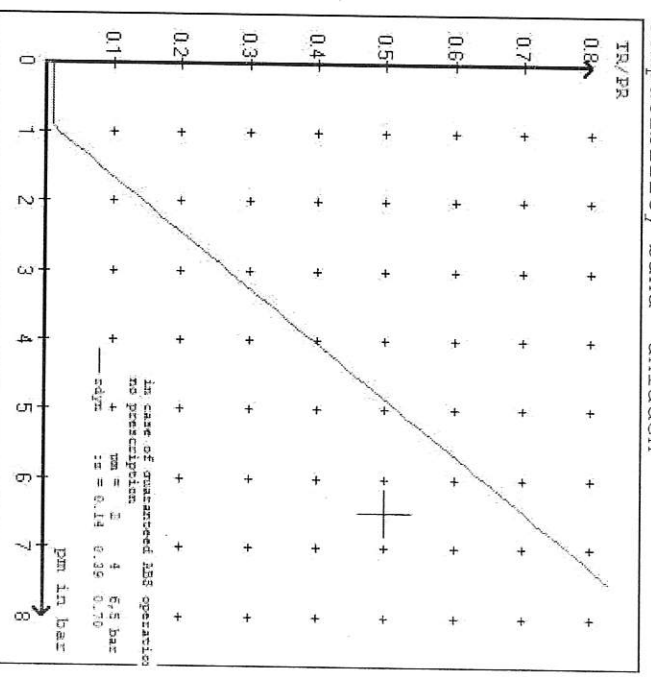
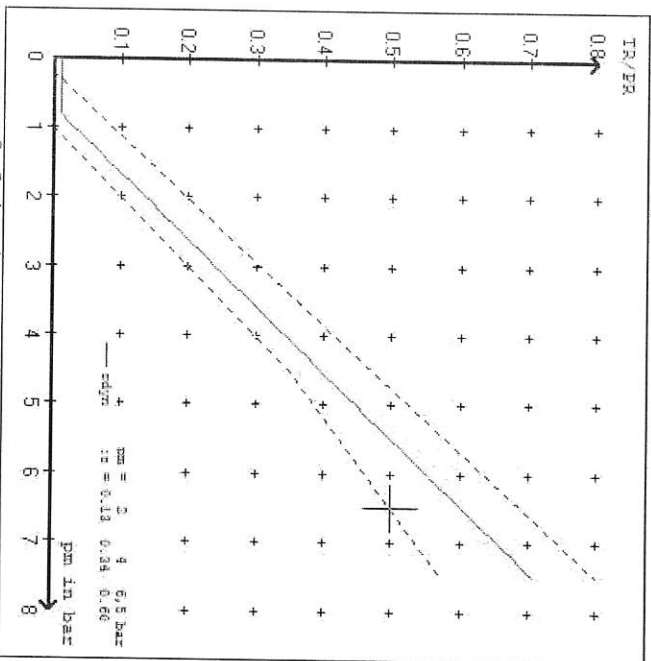
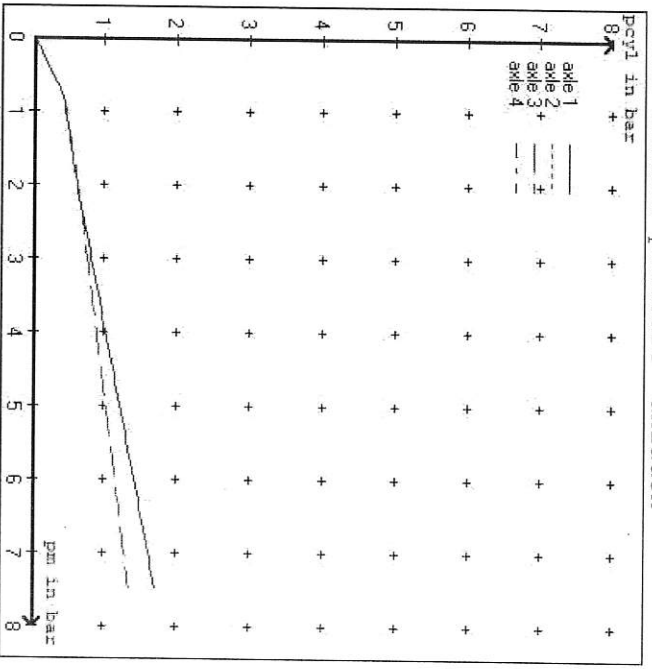
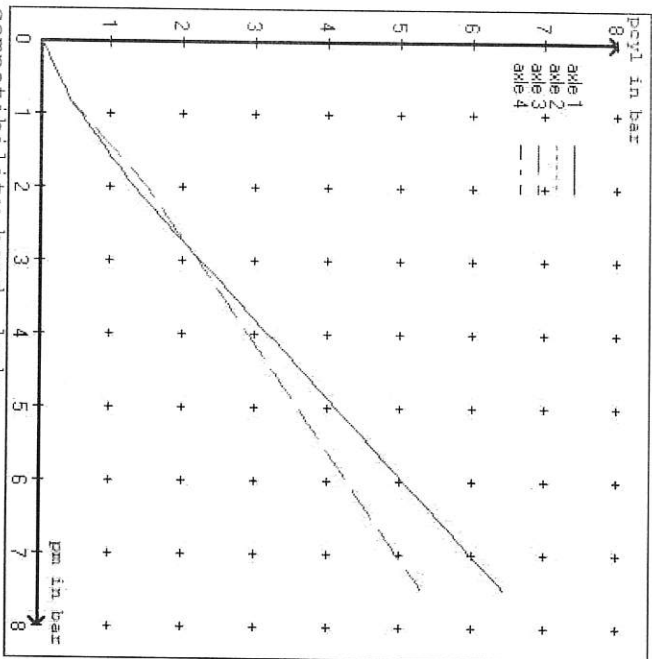
axle 3:

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

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

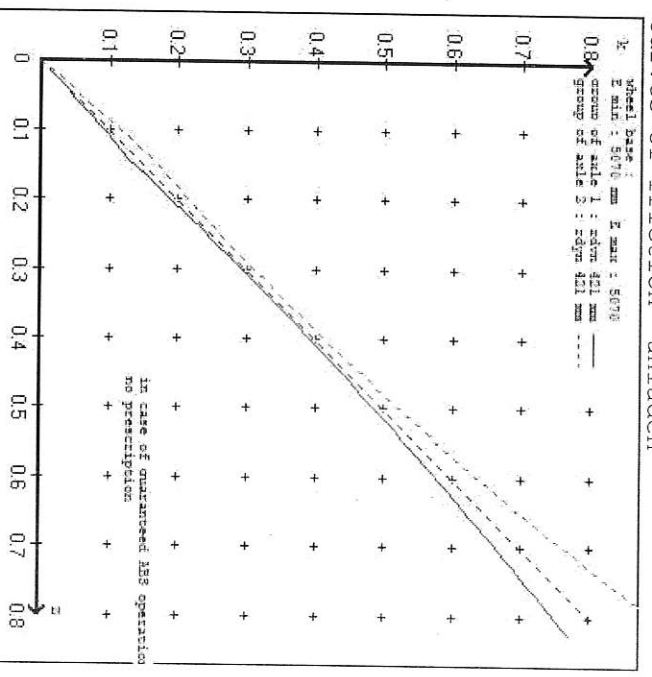
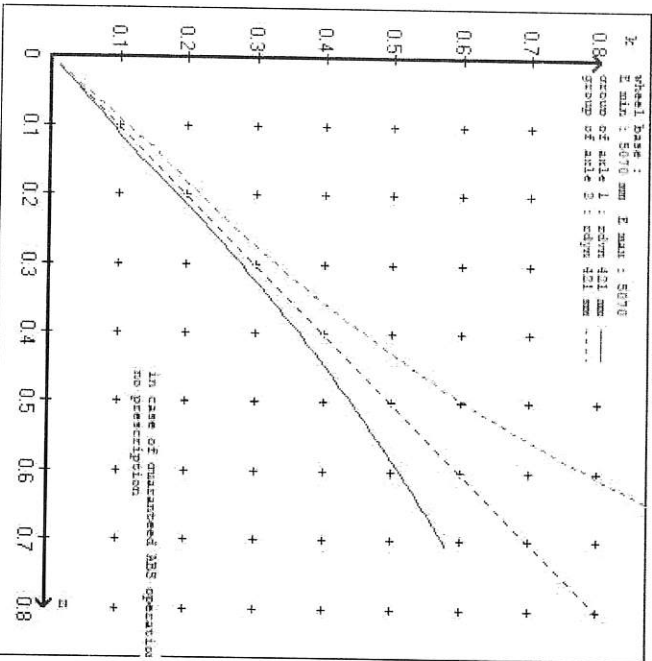
axle 4:
valve 1: 480 102 ... 0 WABCO
EBS trailer modulator
brake cylinder: WABCO 925 464 4.. 0 / 925 484 96. 0

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



curves of friction laden

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

=====
 vehicle manufacturer: DOMETT
 trailer model : 4A TANKER, D1001
 trailer type : 4-axle-full-trailer
 brake calculation no. : TP 2022A

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

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

axle	control pressure pm		brake pr. unladen	axle load laden	control pressure pm		brake pr. laden		
	axle load unladen	bellow pr. unladen			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	1.5	7500	entered by	0.4	1.3	5.5	
3	1200	the vehicle	1.2	7500	the vehicle	0.4	1.5	4.6	
4	1200	manufact.	1.2	7500	manufact.	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 load pcyl1 axle 2 axle 3 axle 4
 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

pcyl1 pcyl1 pcyl1 pcyl1
 1.5 1.5 1.2 1.2
 1.8 1.8 1.5 1.5
 2.2 2.2 1.7 1.7
 2.5 2.5 2.0 2.0
 2.8 2.8 2.3 2.3
 3.1 3.1 2.5 2.5
 3.5 3.5 2.8 2.8
 3.8 3.8 3.1 3.1
 5.5 5.5 4.6 4.6

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. 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 = 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
0.46

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

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
0.46

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

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

braking rate of the vehicle (hot)braking
 (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) $\geq 0,4$ and $\geq 0,6 * E$ (0.36)

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

braking rate of the vehicle (hot)braking
 (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) $\geq 0,4$ and $\geq 0,6 * E$ (0.36)

spring parking brake

	axle 3	axle 4
no of TRISTOP-actuators per axle	2	2
TRISTOP-actuator type	16/16	16/16
lever length	76	76
stat. tyre radius	401	401
	LBh in mm	LBh in mm
	rstat max in mm	rstat max in mm
at a stroke of	S	S
min. force of spring brake	TFZ in N	TFZ in N
sp.brake chamber no	925	925
sp.brake chamber no	925	925
release pressure	pls in bar	pls in bar
	30	30
	6282	6282
	464	464
	484	484
	96.	96.
	5.0	5.0

calculation:

```

ratio until road
iFb = LBh*Eta*C*rRbt/(rBn*rstat)
for rstat in mm
brake force of spring br. Tf in N
Tf = (TFZ*KDZ-2*Co/LBh)*iFb
braking rate
zf = sum (Tf)/P + 0,01
zf laden 0.367
    
```

Test of the frictional connection required by the parking brake

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

$$\min Ef = E * (1 - PR/P + zferf * h/E) / (1 - zferf / (fz1 * nf/ng))$$

```

min Ef = 3617 mm for E = 5070 mm
=====
min Ef = 3617 mm for E = 5070 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
fz1 = 0.80 maximum permissible frictional connection required
zferf = 0.18 maximum required braking ratio of the parking brake
h = 1492 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)
    
```

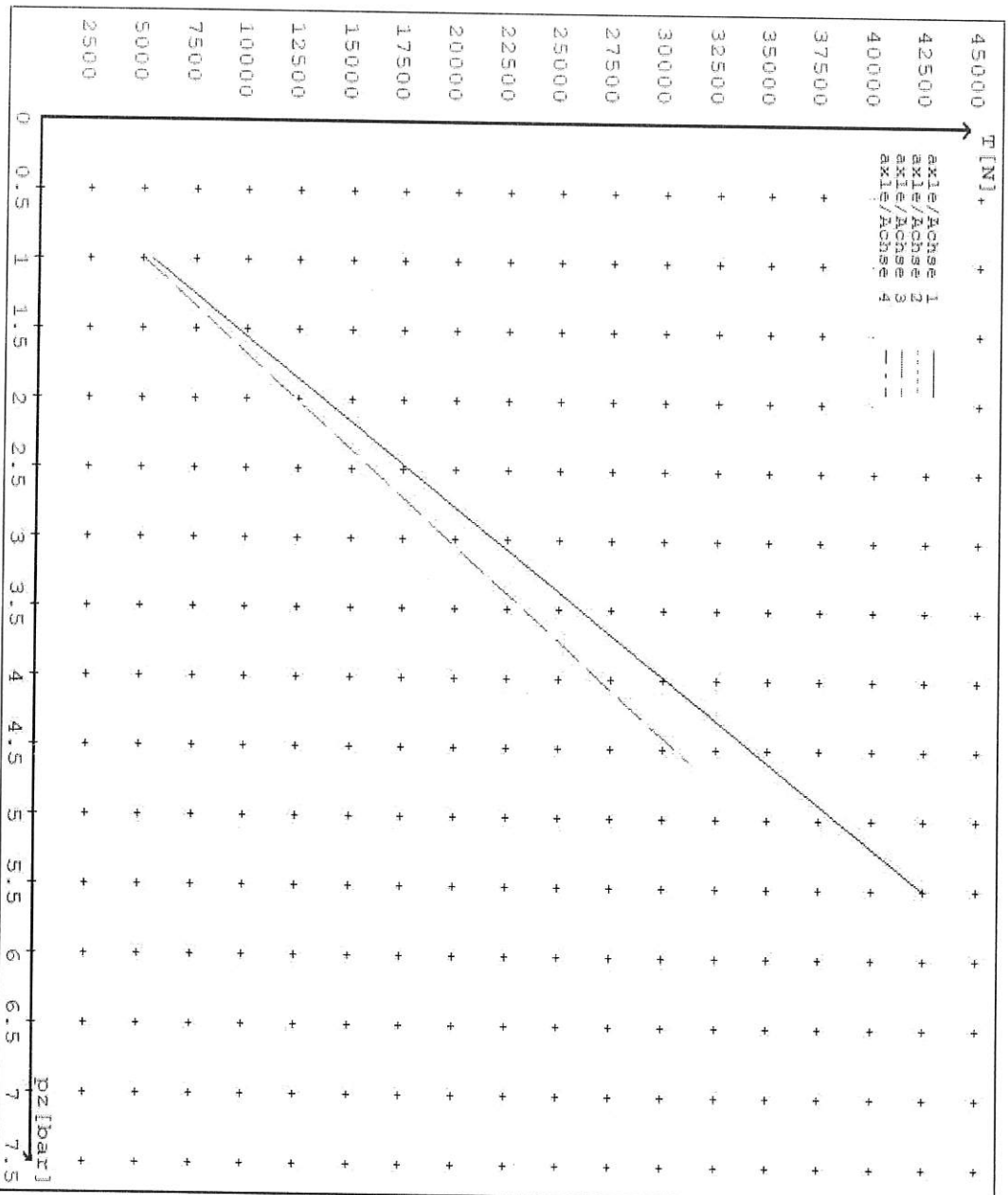
reference values

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

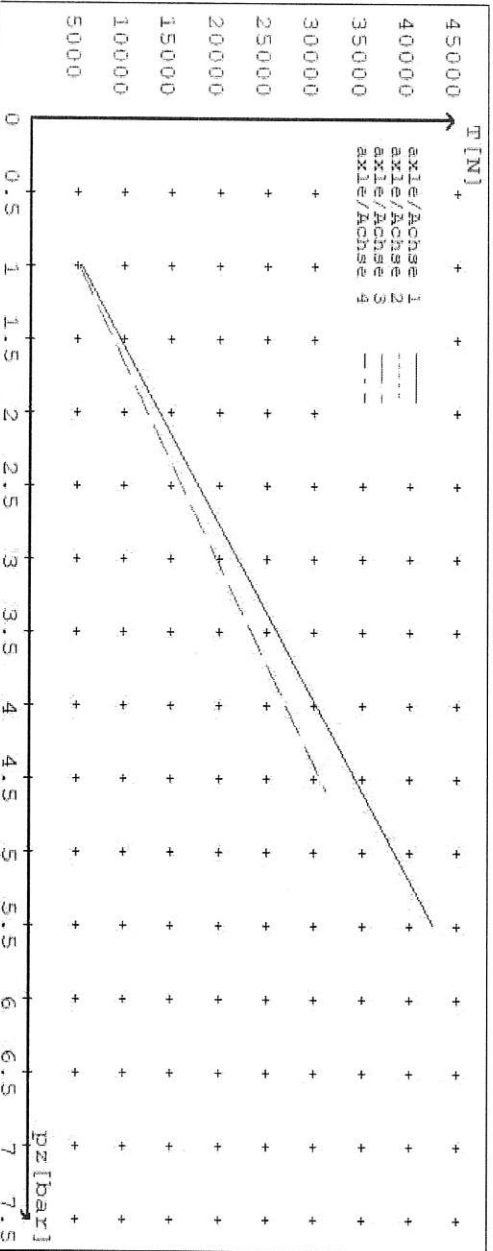
VIN - no.:

Brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	Axle(s) / Achse(m)			
	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
brake calculation no: TP 2022A date 25.03.2022
 Bremsberechnung Nr: TP 2022A vom 25.03.2022

for max rdyn: 421 mm
 für max rdyn: 421 mm



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



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

CLIENT

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

VEHICLE DETAILS

VEHICLE TYPE: 4A TANKER **CERT #:** LC220416
YEAR: 2022 **CALCULATION #:** 2022 SAF 4A WPC
MAKE: DOMETT **REGO #:**
MODEL: D1001 **LT400 #:** 825569
CHASSIS #: 2176 **ORDER #:** 8866
VIN #: 7A9D10011N2023176
GVW: 26 **PRIME MOVER:** EBS / EUROPEAN

LOAD CONFIGURATION:

UNIFORM DENSITY

GROUP RATINGS: t

	FRONT	REAR
WHEEL BASE: m	15	15
	5.07	

	UNLADEN COG m	MAX HEIGHT m	HEIGHT DECK m
COG: m	0.7	2.38	1.00
	1.492		

	FRONT	REAR	TOTAL
TARE: t	2.8	2.4	5.2

	FRONT	REAR	FITTED
TYRE SIZE:	265 70 R19.5	265 70 R19.5	265 70R 19.5

ROLLING CIRCUMFERENCE: MM	2645	2645
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AXLE SPACING: m	1.3	1.3
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BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-Z19S	TDB0878
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	SAF 607	BRAKE FACTOR:	22.37
SENSED AXLES:	1 + 3		
SERIAL NUMBERS:	1 2 3 4 5		

NOTES:

CHAMBER AND VALVING DETAILS

CHAMBERS: AXLE 1 & 2 AXLE 3 & 4 AXLE 5

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
BRAND:	TSE_CHAMBERS	WABCO_CHAMBERS	N/A
SIZE:	20HSCLD	1616 (925/464/461/0)	N/A
STROKE: mm	65	63	
TEST REPORT #:	BC 0041.0 Jul '07	BC 0006.0	
SPRING BRAKE FORCE: kN	N/A	6.28	
HOLDOFF PRESSURE: Bar	N/A	5	
FOUNDATION BRAKE:	SAF SBS1918	SAF SBS1918	
LEVER LENGTH: mm	76	76	N/A
BRAKE VALVES:	MAKE: PART NUMBER: PM PRESS. kPa		
ECU PART #:	WABCO	480 102 08. 0 (MV)	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: FRONT REAR FRONT FRICTION: μ

SUBSYSTEMS: SMARTBOARD OPTI-LINK CAN ROUTER 446 122 050 0

ELEX 446 122 070 0 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:	NORGREN 3042402	NORGREN 3042402
RIDE HEIGHT <small>MM</small> :	250	250
HANGER HEIGHT <small>MM</small> :		
PEDESTAL HEIGHT <small>MM</small> :		
LIFT AXLE:	N/A	N/A
TIPPING 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: L	C51902, 48L	C51902, 48L
AUXILIARY TANK SIZE: L		C51901, 25L x 2
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
DUOMATIC COLOUR CODED:	YES	

ELECTRONIC HEIGHT SENSOR CALIBRATION

TIMER TICKS [F/R] MILLIMETRE [F / R]

UPPER LEVEL:

NORMAL LEVEL:

LOWER LEVEL:

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:

NOTES AND SPECIAL CONDITIONS

3/12/2021 received est build schedule.15/12/2021 request to do project, receive drawings etc.
24/03/2022 start files, request and receive product and trailer data. 25/3/2022 do calculations
and ECU files.
29/03/2022 Advised air reservoirs changed. Redo paperwork to reflect change.
26/04/2022 Complete paperwork and SODC and send.

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.

RULE / STD COMPLIED TO:

NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015, SCHEDULE 5, ADR 35, EGE R13, FMVSS 121

DATE:

26/04/2022

SIGNED:

Lance Cawte

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
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