

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

Plate number (optional)

VIN/chassis number  
**7A9D10013N2023177**

Make **DOMETT**

Component being certified:  Chassis  Load anchorage

Model (optional) **D1001**

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. 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 32016, 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 CJC297928  
 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 **825578**  
 Date **23.05.2024** Number **825578**

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	436080294400A
Serial number (modulator)	000000539486		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-05-23 ; 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	4A TANKER, D1001	GIO	Pin1
VEHICLE IDENT. NUMBER	7A9D10013N2023177	1	24 V-01
NUMERO DE CHASSIS		2	---
BREMSEBREMCHUNGSS-NR. BRAKING SYSTEM NO.	2022 SAF 4A WPC	3	ALS2
POLYMERZAHNZEAMEN- c-d1 e1 POLE WHEEL TEETH c-d1 e1 DEVIS ROUE DENTEE c-d1 e1		4	---
		5	DIAG
		6	---
		7	---

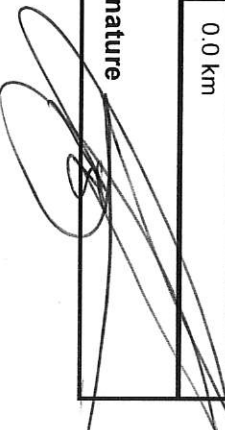
Einachs- berührung Single axle brake sample		Lenkachse Steering axle Essieu avant	
Zwillingssteuerung Twin Tire Inbrake function	X	Kapitallastiges Fahrzeug Critical Trailer Vehicle critique	
Subsystems	I/O	24N	

ACHSE AXLE ESSIEU	6.5 bar			6.5 bar			TYPE	(mm)	(mm)	(bar)					
	pm (bar)	6.5	pm (bar)	0.8	2.0	---				6.5	TR (dan)	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.	7A9D10013N2023177
Vehicle type	4A TANKER, D1001	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-05-23 12:36:49 pm		

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

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 dp 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	5200	30000
axle 1	P1	1400	7500
axle 2	P2	1400	7500
axle 3	P3	1200	7500
axle 4	P4	1200	7500
wheel base	E	5070	5070
centre of gravity height	h	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	LBh	76	76	76
brake factor	[-]	22.37	22.37	22.37
dyn. rolling radius	rdyn min	421	421	421
dyn. rolling radius	rdyn max	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	ThA at pm6,5bar	6332	6332	4648	4648
brake force(rdyn min)	T lad. at pm6,5bar	51239	51239	37636	37636
brake force(rdyn max)	T lad. at pm6,5bar	51239	51239	37636	37636
Brake force incl. 1 % rolling resistance		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

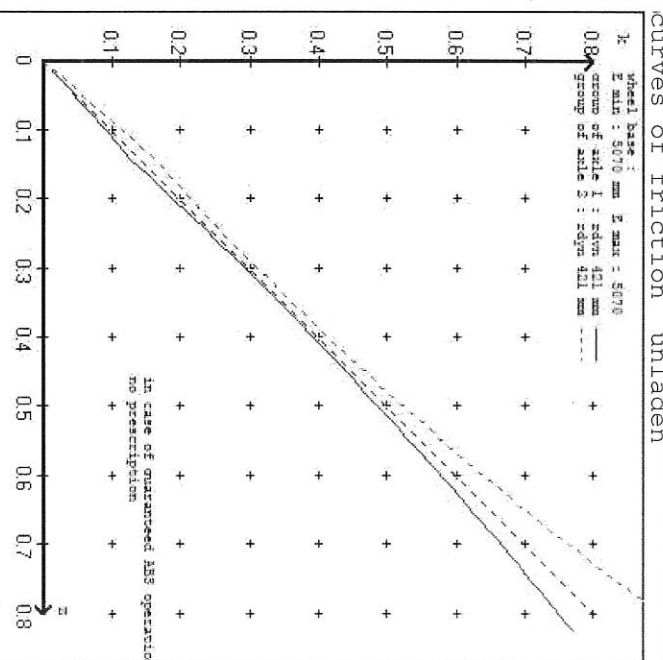
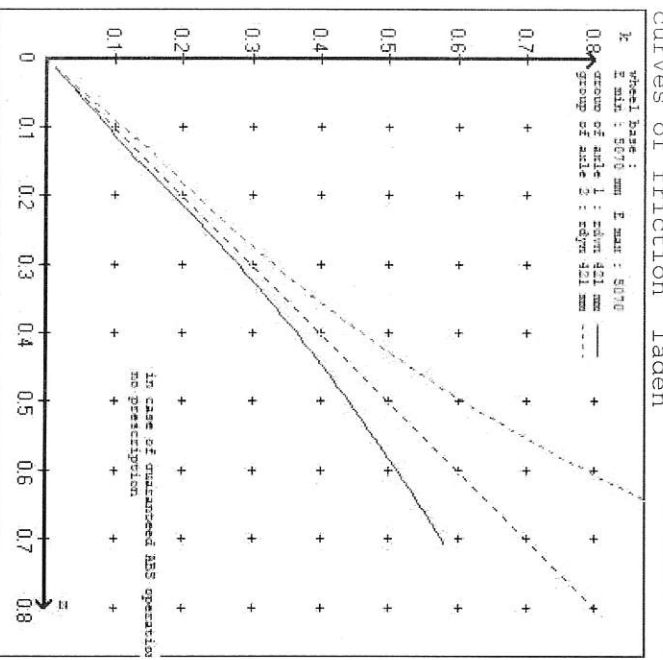
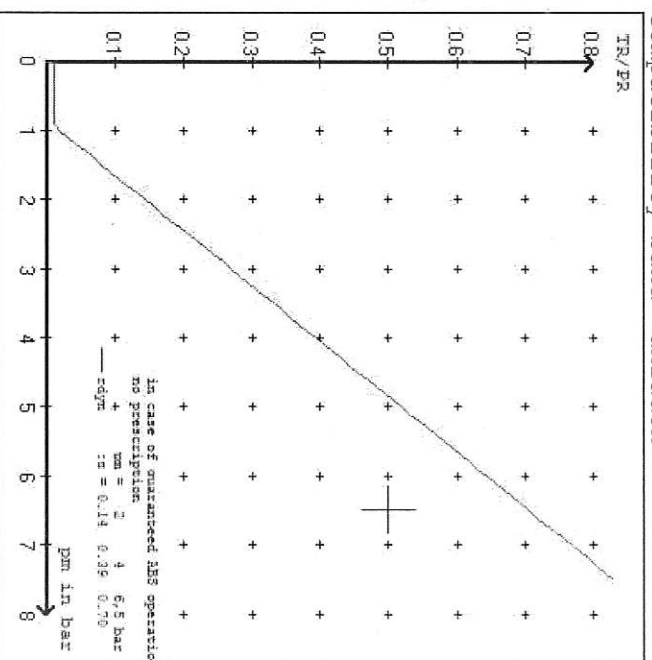
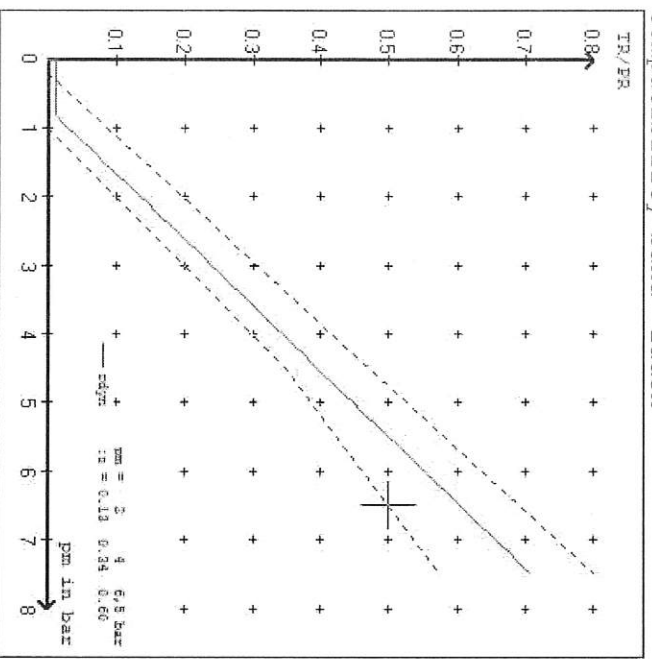
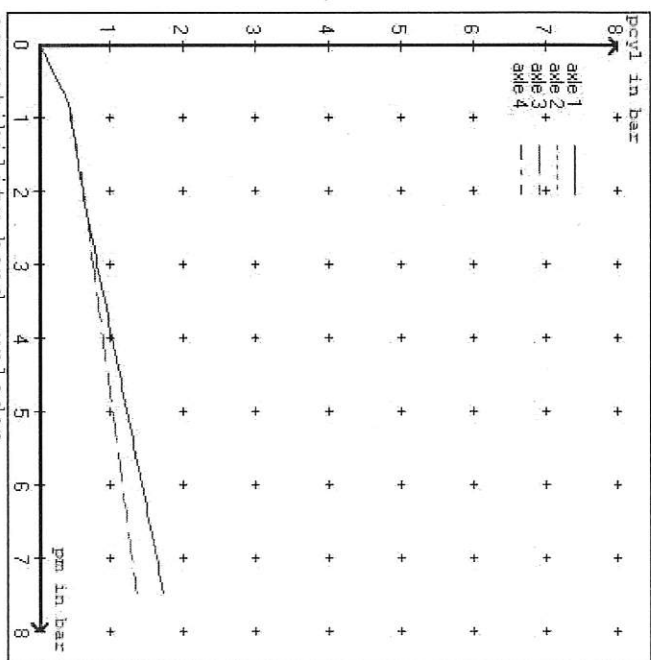
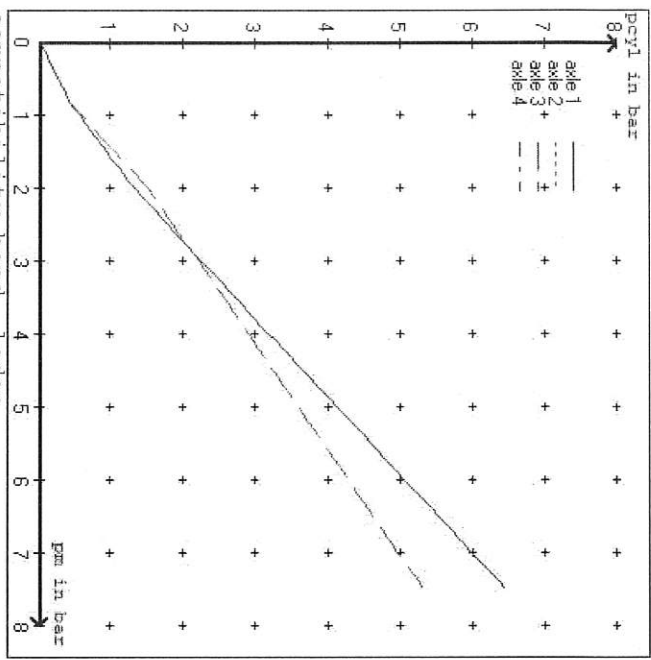
axle 3:

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	



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 auxiliary 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      1200      1200      1.2      1.2  
 1900      1900      1700      1700      1700      1700      1.5      1.5  
 2400      2400      2200      2200      2200      2200      1.7      1.7  
 2900      2900      2700      2700      2700      2700      2.0      2.0  
 3400      3400      3200      3200      3200      3200      2.3      2.3  
 3900      3900      3700      3700      3700      3700      2.5      2.5  
 4400      4400      4200      4200      4200      4200      2.8      2.8  
 4900      4900      4700      4700      4700      4700      3.1      3.1  
 7500      7500      7500      7500      7500      7500      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	date : 20131111
axle 2 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870	date : 20131111
axle 3 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870	date : 20131111
axle 4 : reference axle: SAF	SBS 1937	brake lining: SAF 437
test report :	TDB 0870	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

braking rate of the vehicle  
 (item 4.3.2 to appendix 2 to annex 11) 0.60 (hot)braking 0.46

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 = 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

braking rate of the vehicle  
 (item 4.3.2 to appendix 2 to annex 11) 0.60 (hot)braking 0.46

required braking rate  
 (items 1.5.3 and 1.7.2 to annex 11)  $\geq 0,4$  and  $\geq 0,6 * E$  (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

	<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	s	in mm
min. force of spring brake	TFZ	in N
sp.brake chamber no 925	464	464
sp.brake chamber no 925	484	96. 0
release pressure	5.0	5.0
	pls	in bar

calculation:

ratio until road	4.2397	4.2397
iFb = $1Bh \cdot \text{Eta} + C \cdot rBt / (rBn \cdot rstat)$	401	401
for rstat	in mm	in mm
brake force of spring br. Tf	52598	52598
Tf = $(TFZ \cdot KDZ - 2 \cdot Co / 1Bh) \cdot iFb$		
braking rate	zf laden	0.367
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 fulfill the regulations

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

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
fzul =	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)

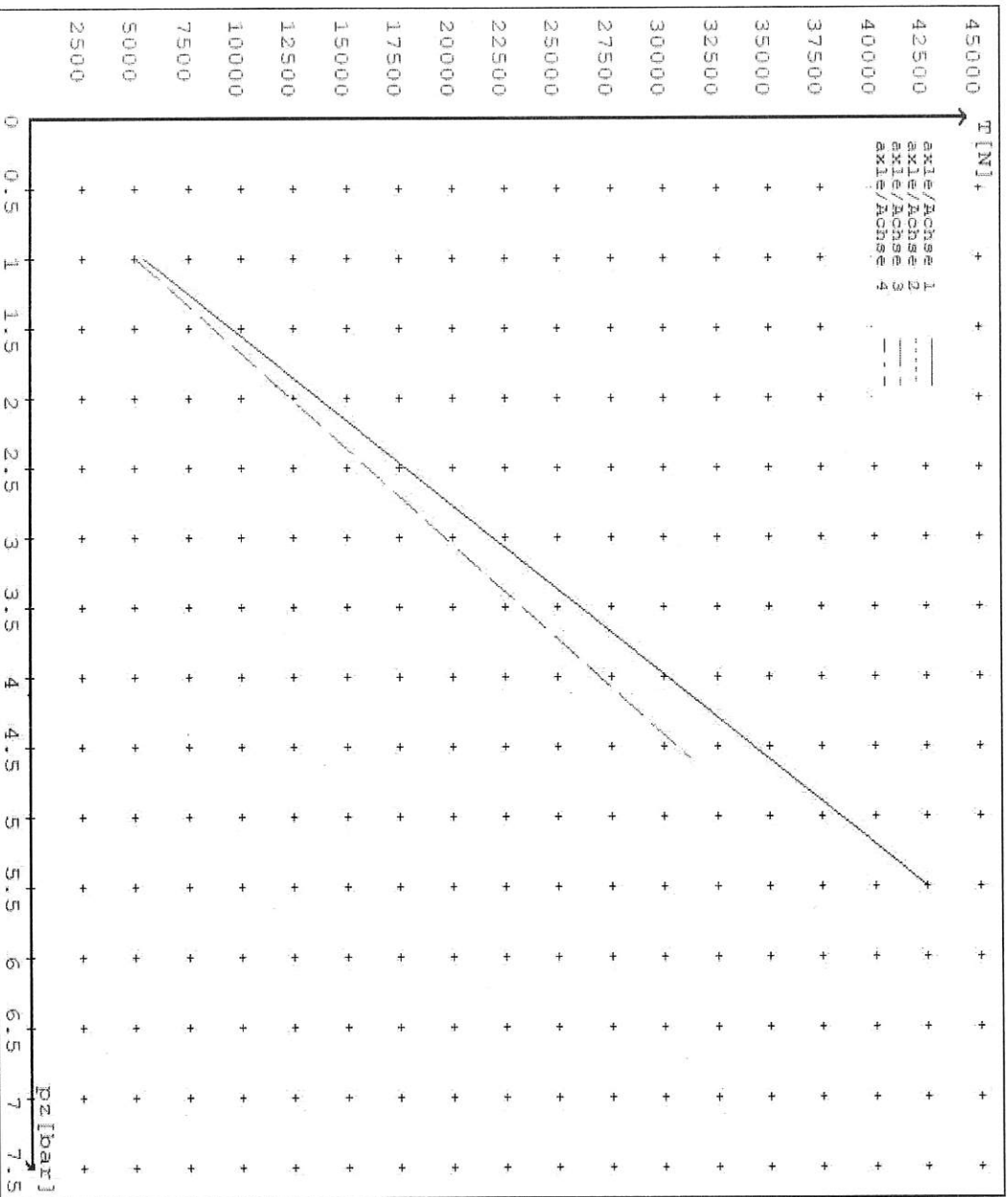
**reference values**

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

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

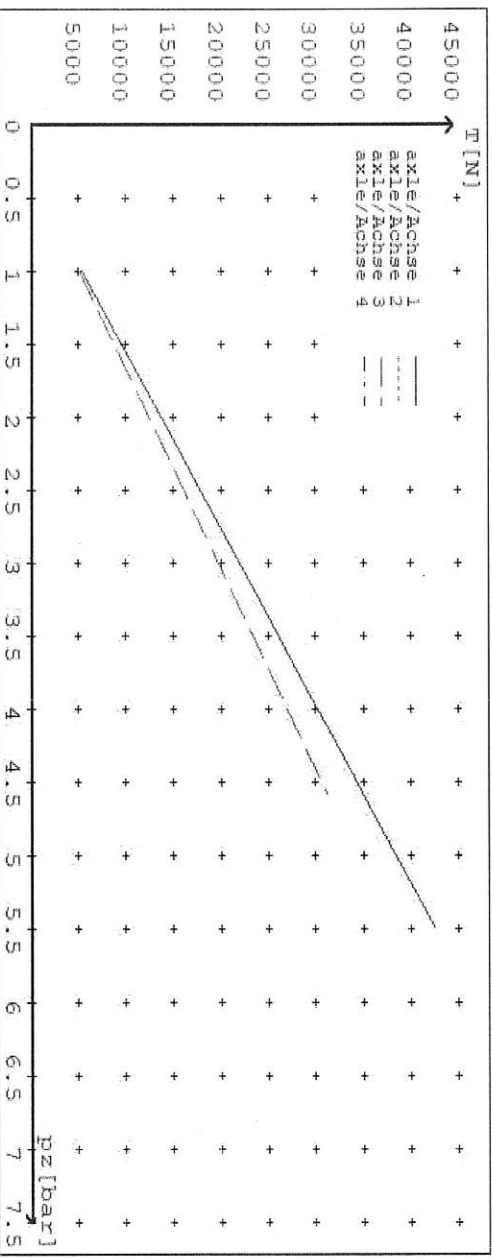
VIN - no.:

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



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	16/16	/
Bremszylinder Typ (Betrieb / Fest)	65	65	63	63	63	63	
Maximum stroke smax = ....mm							
maximaler Hub smax = ....mm							
Lever length = ....mm							
Hebellänge = ....mm	76	76	76	76	76	76	



**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 #:** CIC297928  
**YEAR:** 2022 **CALCULATION #:** 2022 SAF 4A WPC  
**MAKE:** DOMETT **REGO #:**  
**MODEL:** D1001 **LT400 #:** 825578  
**CHASSIS #:** 2177 **ORDER #:** 8867

**VIN #:** 7A9D10013N2023177  
**GVM: t** 26 **PRIME MOVER:** EBS / EUROPEAN  
**LOAD CONFIGURATION:** UNIFORM DENSITY

**GROUP RATINGS: t**

FRONT	REAR
15	15
5.07	

**WHEEL BASE: m**

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

**TARE: t**

FRONT	REAR	TOTAL
2.8	2.4	5.2

**TYRE SIZE:**

FRONT	REAR	FITTED
265 70 R19.5	265 70 R19.5	265 70R 19.5

**ROLLING CIRCUMFERENCE: MM**

2645	2645
------	------

**AXLE SPACING: m**

1.3	1.3
-----	-----

**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**

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	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:	PMI 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:	<input checked="" type="checkbox"/> FRONT <input type="checkbox"/> REAR	FRONT FRICTION: $\mu$	0.51
SUBSYSTEMS:	<input type="checkbox"/> SMARTBOARD <input type="checkbox"/> OPT-LINK <input type="checkbox"/> CAN ROUTER 446 122 050 0		
	<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:	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
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-124

DATE:

23/05/2022

SIGNED:

*Lance Cawte*

CERTIFIER NAME &amp; 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