

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

**CHRIS CLARKE**

ID

**CJC**

Plate number (optional)

VIN/chassis number

**7A9D10016N2023187**

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 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  
 BRAKE CALCULATION #**

**LC220611  
 2022 WABCO 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

**28.07.2022**

Number

**830444**

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	2022-05-12	Serial number	897041649600N
Serial number (modulator)	000000552388		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-07-28 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

## WABCO

### TRAILER EBS-E

GGV/ADR TUEH TB 2007 - 019,00  
TDB 0749

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT		
TYPE	4A TANKER, D1001		
VEHICLE IDENT. NUMBER	7A9D10016N2023187		
CHASSIS NUMBER NUMERO DE CHASSIS	TP2022 WABCO 4A WPC		
BREMSEBREMCHNUNGS-NR. BRAKE CALCULATION NO. CHASSIS DE FREINAGE NO.	90	90	ABS-System Système ABS
POLEADANZEHR, c/d l e f DENTS ROUE DENTEE c/d l e f	90	90	4S/3M
Einbaueinheit Simple Type		Leuchte Essen, Vneur	
RSS Twin Tire		Kennzeichne Fahrzeug Essen, Vneur	
Zwillingbereinigung Monte Junette	X	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 Essieu	pm (bar)		pm (bar)		pm (bar)		TR (dan)	Pz						
	+	-	+	-	+	-								
1	1400	0.5	1.5	7500	4.7	0.4	1.4	5.8	6.5	20	65	69	502	4220
2	1400	0.5	1.5	7500	4.7	0.4	1.4	5.8	6.5	20	65	69	502	4220
3	1200	0.4	1.2	7500	4.7	0.4	1.5	4.9	---	16 / 16	63	69	466	3134
4	1200	0.4	1.2	7500	4.7	0.4	1.5	4.9	---	16 / 16	63	69	466	3134
5	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.	7A9D10016N2023187
Vehicle type	4A TANKER, D1001	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-07-28 2:02:49 pm		



distribution: DOMETT  
 2022 WABCO 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 command 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, SBW 1937, TDB 0749 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	

no. of combined axles  
 no. of brake chambers per axle line K DZ  
 The power output corresponds to  
 brake chamber manufacturer  
 chamber size  
 lever length  
 brake factor  
 dyn. rolling radius  
 dyn. rolling radius  
 threshold torque

	axle 1		axle 2		axle 3		axle 4	
	1	2	1	2	1	2	1	2
BZ	122.1	122.1BC	0006.0BC	0006.0	0006.0	0006.0	0006.0	0006.0
Meritor	20.	20.	WABCO	WABCO	WABCO	WABCO	WABCO	WABCO
	69	69	16/16	16/16	16/16	16/16	16/16	16/16
	23.03	23.03	69	69	23.03	23.03	23.03	23.03
	421	421	421	421	421	421	421	421
	421	421	421	421	421	421	421	421
	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

calculation:  
 chamber pressure(rdyn min)pH at z=22,5%bar  
 chamber pressure(rdyn max)pH at z=22,5%bar  
 chamber press.(servo)pcha at pm6,5bar  
 piston force ThA at pm6,5bar  
 brake force(rdyn min)T lad. at pm6,5bar N  
 brake force(rdyn max)T lad. at pm6,5bar N  
 Brake force incl. 1 % rolling resistance  
 proportion %

	2.3	2.3	2.2	2.2
	2.3	2.3	2.2	2.2
	5.8	5.8	4.9	4.9
	6702	6702	4974	4974
	50729	50729	37673	37673
	50729	50729	37673	37673
	26.5	26.5	23.5	23.5

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

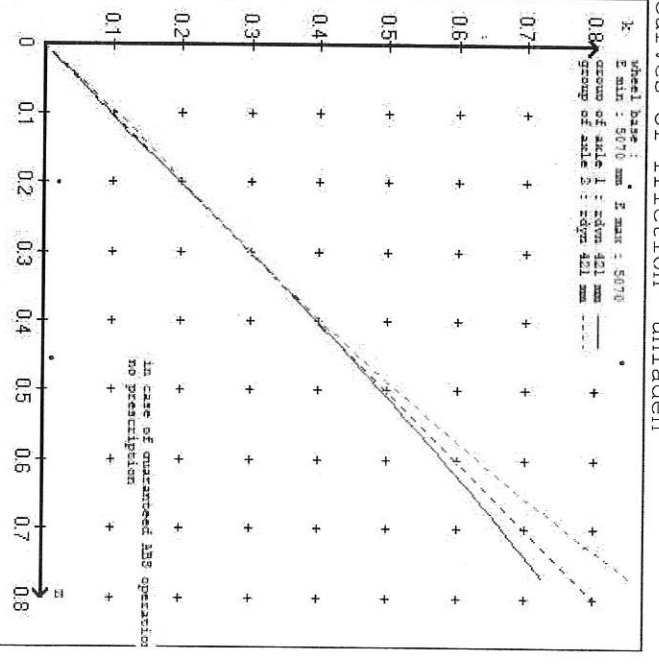
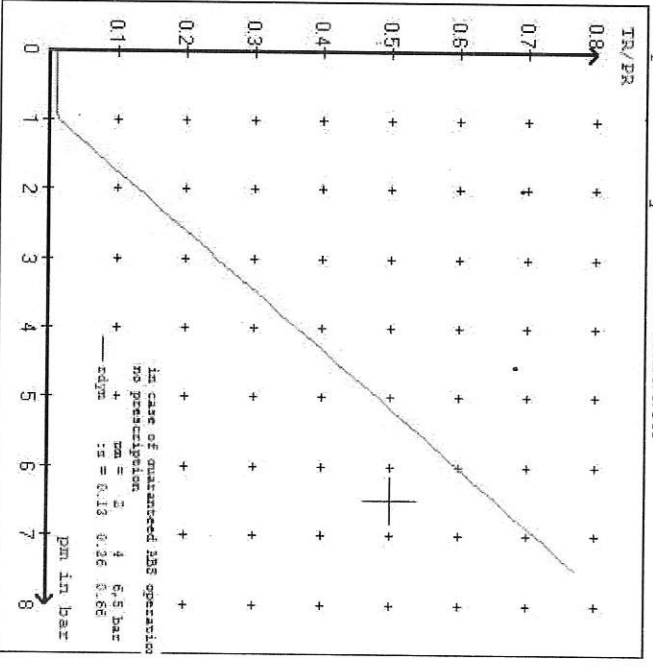
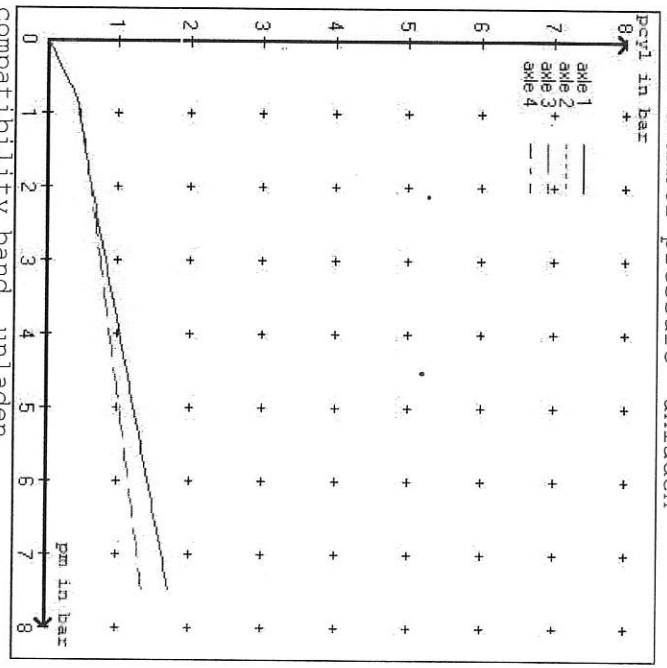
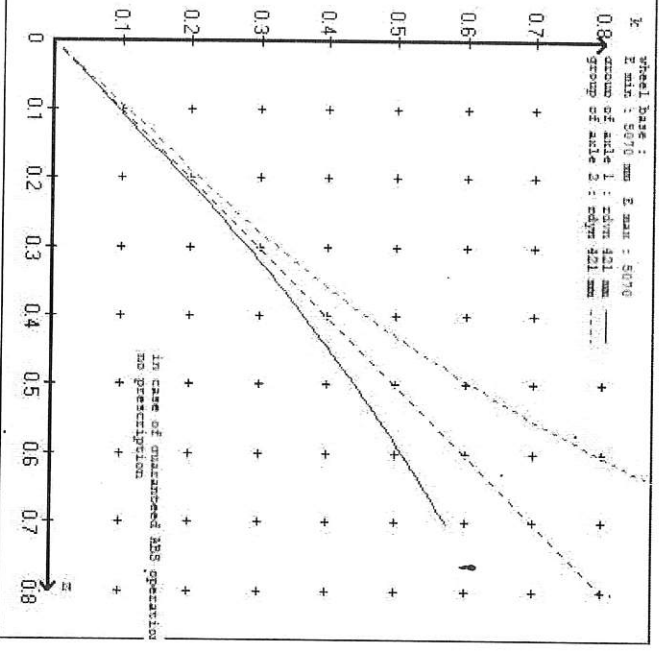
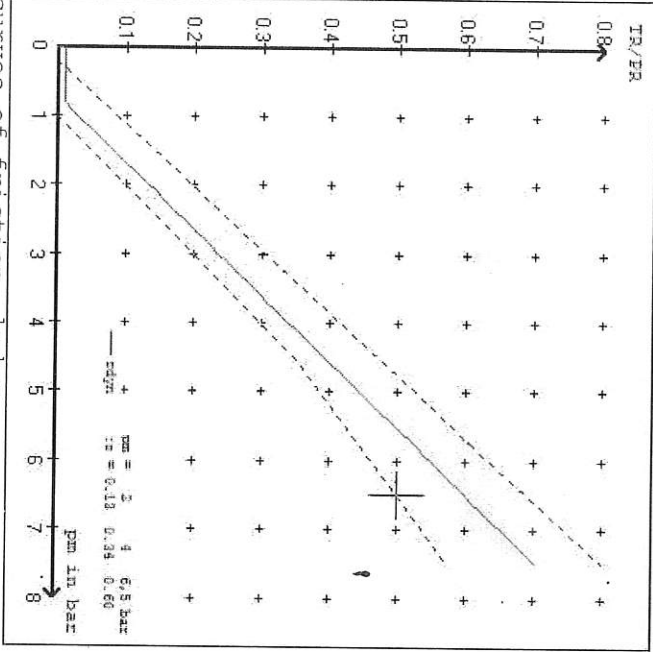
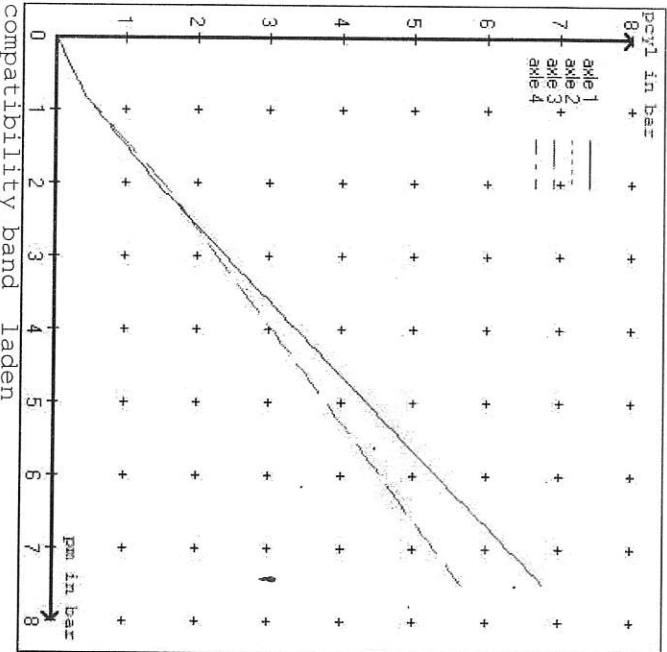
axle 3:

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 :	3.0	3.0	2.7	2.7	
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 69 mm  
 axle 2 : 2 x type/diameter 20. (Meritor) lever length 69 mm  
 axle 3 : 2 x type/diameter 16/16 (WABCO) lever length 69 mm  
 axle 4 : 2 x type/diameter 16/16 (WABCO) lever length 69 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  
 (laden condition) 2.0 bar z = 0.134  
 6.5 bar z = 0.600

axle	control pressure pm		brake pr. unladen	axle load laden	control pressure pm		brake pr. laden	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	1.4	5.8
2	1400	entered by	1.5	7500	entered by	0.4	1.4	5.8
3	1200	the vehicle	1.2	7500	the vehicle	0.4	1.5	4.9
4	1200	manufact.	1.2	7500	manufact.	0.4	1.5	4.9
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 pcyl1	axle load pcyl1	axle load pcyl1	axle load pcyl1
1400 1.5	1400 1.5	1200 1.2	1200 1.2
1900 1.9	1900 1.9	1700 1.5	1700 1.5
2400 2.2	2400 2.2	2200 1.8	2200 1.8
2900 2.6	2900 2.6	2700 2.1	2700 2.1
3400 2.9	3400 2.9	3200 2.4	3200 2.4
3900 3.3	3900 3.3	3700 2.7	3700 2.7
4400 3.6	4400 3.6	4200 3.0	4200 3.0
4900 4.0	4900 4.0	4700 3.3	4700 3.3
7500 5.8	7500 5.8	7500 4.9	7500 4.9



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

axle 1 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749 ECE	date : 20130930 30.09.2013
axle 2 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749 ECE	date : 20130930 30.09.2013
axle 3 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749 ECE	date : 20130930 30.09.2013
axle 4 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749 ECE	date : 20130930 30.09.2013

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 = 24.4 % Fe
axle 2	(rdyn 421 mm)	T = 24.4 % Fe
axle 3	(rdyn 421 mm)	T = 19.7 % Fe
axle 4	(rdyn 421 mm)	T = 19.7 % Fe

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

axle 1	(sp = 58 mm)	S = 39 mm
axle 2	(sp = 58 mm)	S = 39 mm
axle 3	(sp = 51 mm)	S = 39 mm
axle 4	(sp = 51 mm)	S = 39 mm

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

axle1	ThA = 6702 N
axle2	ThA = 6702 N
axle3	ThA = 4974 N
axle4	ThA = 4974 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 = 39620 N
axle 2	(rdyn 421 mm)	T = 39620 N
axle 3	(rdyn 421 mm)	T = 29492 N
axle 4	(rdyn 421 mm)	T = 29492 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 0.47

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 = 39620 N
axle 2	(rdyn 421 mm)	T = 39620 N
axle 3	(rdyn 421 mm)	T = 29492 N
axle 4	(rdyn 421 mm)	T = 29492 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 0.47

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
no of TRISTOP-actuators per axle line KDZ	2	2
TRISTOP-actuator type	16/16	16/16
lever length	69	69
stat. tyre radius	401	401
at a stroke of	30	30
min. force of spring brake	6282	6282
sp.brake chamber no 925	464	464
sp.brake chamber no 925	484	96
release pressure	5.0	5.0

calculation:

```

ratio until road          3.9674      3.9674
iFb = LBh*Eta*C*rBt/(rBn*rstat)
for rstat in mm          401
brake force of spring br. Tf in N    49157      49157
Tf = (TFZ*KDZ-2*Co/1Bh)*iFb
braking rate              zf laden          0.344
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 = 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)
E = and the rear axle(s) (resultant of the bogie)
wheel base
fzul = 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 axl(s)
    
```

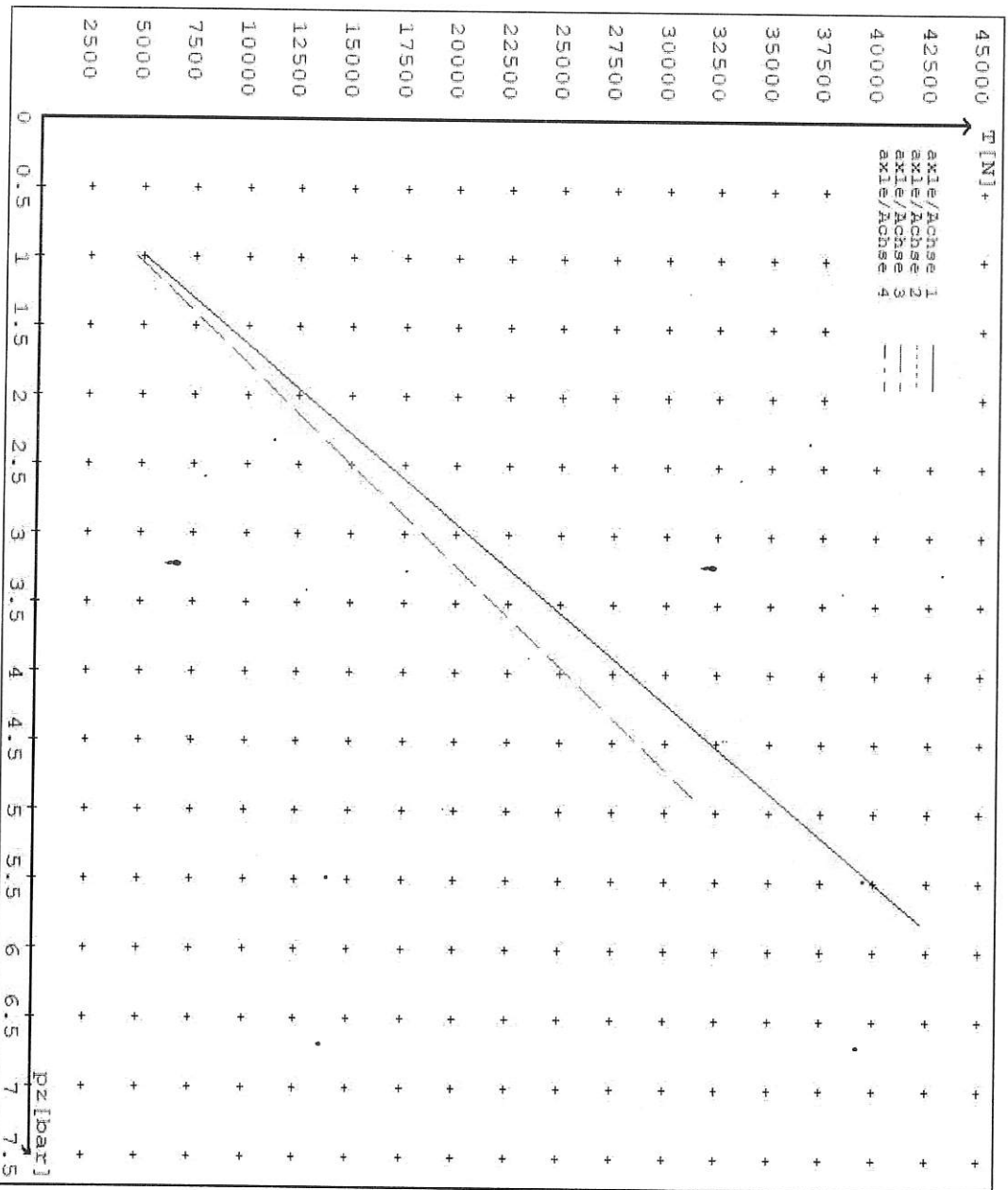
**reference values**

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

	pz [bar]	T [N]	T [N]
axle 1	1.0 5.8	5021 42203	
axle 2	1.0 5.8	5021 42203	
axle 3	1.0 4.9		4662 31342
axle 4	1.0 4.9		4662 31342

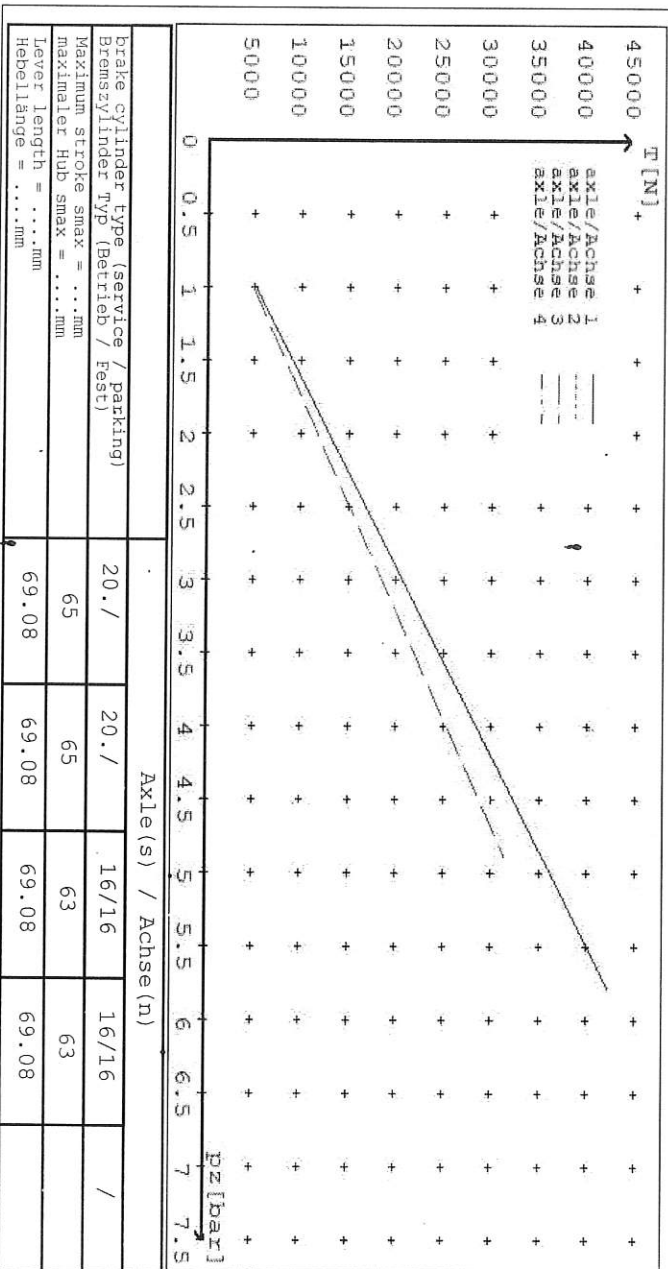
VIN - no.:

		Axle (s) / Achse (n)			
brake cylinder type (service / parking)		20./	20./	16/16	16/16
Bremszylinder Typ (Betrieb / Fest)					
Maximum stroke smax = ...mm		65	65	63	63
maximaler Hub smax = ...mm					
Lever length = ...mm		69.08	69.08	69.08	69.08
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			
Bremszylinder Typ (Betrieb / Fest)	65	65	63	63			
Maximum stroke smax = ...mm							
maximaler Hub smax = ...mm							
Lever length = ...mm	69.08	69.08	69.08	69.08			
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:** FONTEERRA

**VEHICLE DETAILS**

**VEHICLE TYPE:** 4A TANKER **CERT #:** LC220611  
**YEAR:** 2022 **CALCULATION #:** 2022 WABCO 4A WPC  
**MAKE:** DOMETT **REGO #:**  
**MODEL:** D1001 **LT400 #:** TBC  
**CHASSIS #:** 2187 **ORDER #:** 8877  
**VIN #:** 7A9D10016N2023187

**GVMI: t** 26 **PRIME MOVER:** EBS / EUROPEAN

**LOAD CONFIGURATION:** UNIFORM DENSITY

**GROUP RATINGS: t**

<b>FRONT</b>	<b>REAR</b>
15	15

**WHEEL BASE: m** 5.07

<b>UNLADEN COG m</b>	<b>MAX HEIGHT m</b>	<b>HEIGHT DECK m</b>
0.7	2.38	1.00

**COG: m** 1.492

<b>TARE: t</b>	<b>FRONT</b>	<b>REAR</b>	<b>TOTAL</b>
	2.8	2.4	5.2

<b>TYRE SIZE:</b>	<b>FRONT</b>	<b>REAR</b>	<b>FITTED</b>
	265 70 R19.5	265 70 R19.5	265 70R 19.5

**ROLLING CIRCUMFERENCE: M/M** 2645

**AXLE SPACING: m** 1.3



**BRAKE & AXLE DETAILS**

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-Z19W	TDB0749
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	↑ JURID 539	BRAKE FACTOR:	23.03
SENSED AXLES:	1 + 3		
SERIAL NUMBERS:	NOTES:		
	1		
	2		
	3		
	4		
	5		

**CHAMBER AND VALVING DETAILS**

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	TSE_CHAMBERS	WABCO_CHAMBERS	N/A
BRAND:	20HSCLD	1616 (925/464/461/0)	N/A
SIZE:	65	63	
STROKE: mm	BC 0041.0 Jul '07	BC 0006.0	
TEST REPORT #:	N/A	6.28	
SPRING BRAKE FORCE: kN	N/A	5	
HOLDOFF PRESSURE: Bar	WABCO PAN19	WABCO PAN19	
FOUNDATION BRAKE:	69	69	N/A
LEVER LENGTH: mm			

	MAKE:	PART NUMBER:	P/M PRESS. kPa
BRAKE VALVES:	WABCO	480 102 08. 0 (MV)	80 kPa
ECU PART #:	↑ WABCO	480 207 001 0 (24V)	80 kPa
3RD MODULATOR #:	YES		
ANTI-COMPOUNDING:	SEALCO_SBR	110701	
SPRING BRAKE RELAY:	SEALCO_YR	17600B	
YARD RELEASE VALVE:	N/A	N/A	
INLINE RELAY FITTED:			
ECU DIRECTION:	<input checked="" type="checkbox"/> FRONT	<input type="checkbox"/> REAR	FRONT FRICTION: μ <input type="text" value="0.51"/>
SUBSYSTEMS:	<input type="checkbox"/> SMARTBOARD	<input type="checkbox"/> OPT-LINK	<input type="checkbox"/> CAN ROUTER 446 122 050 0

**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 MM:	250	250
HANGER HEIGHT MM:		
PEDESTAL HEIGHT MM:		
LIFT AXLE:	N/A	N/A
TIPPING DUMP SWITCH:		PNEUMATIC
LIFTAXLE VALVE:	N/A	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:    ↓                      250                      265                      305

**NOTES AND SPECIAL CONDITIONS**

3/12/2021 received est build schedule.15/12/2021 request to do project, receive drawings etc.  
24/3/2022 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.  
22/06/2022 Complete paperwork, SODC, ECU file & 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,    FMZSS-124

DATE:    28/07/2022

SIGNED:    *Lance Cawte*

CERTIFIER NAME & ID:    CHRIS CLARKE    CIC

SODC BY:    LANCE CAWTE    LPC

PHONE (BUS):    09-980-7300

FAX:

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