

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

Plate number (optional) **DOMETT** VIN/chassis number **7A9E20017N2023202**

Make **DOMETT** Component being certified: Chassis Load anchorage
 Model (optional) **E2001 SH** 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: NZ HEAVY VEHICLE BRAKE SPECIFICATION.
 CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOCOL.
 SAFT CURTAINSIDE **RSS ON TYRE: 215 75 R17.5**
 FOR SYSTEM ARCHITECTURE, PLEASE REFER TO PDS WORKSHEET & SCHEMATIC.
REASON FOR CERTIFICATION: NEW TRAILER BUILD

Code/standard/rule certified to **LTR 32015/5** Component load rating(s)
32 Tonnes GVM
 General drawing number(s) **N/A** **16 Tonne (Front brake mass)**
19 Tonne (Rear brake mass)

Supporting documents
BRAKE RULE CERTIFICATE JH220319
BRAKE CALCULATION # TP52450

Special conditions (highlighted)
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
 Designer's ID (if different from inspector's below) **JEH**

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.
 Inspector's signature **JOHN HIRST**
 Inspector's name (PRINT IN CAPS) **CHRIS CLARKE** ID number **825579**
 Date **23.05.2022** Number **825579**

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

WABCO

START-UP LOG

System	Trailer EBS-E	WABCO part number	480 102 080 0
Production date	2022-03-04	Serial number	897041249300E
Serial number (modulator)	000000548646		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-05-23 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO

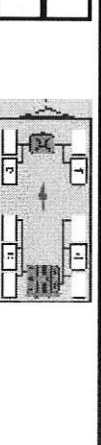
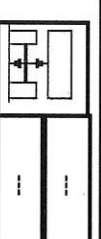
TRAILER EBS-E

GGVS/ADR TUEH TB 2007 - 019.00
TDB0487

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
TYPE	5AFT CURTAINSIDE		
VEHICLE IDENT. NUMBER	7A9E20017N2023202		
NOMASO QUEBECER NOMASO QUEBECER NOMASO QUEBECER	TP52450A		
BREMSEBERECHNUNGS-NR. CALCUL. DE PRESSION NO. POLYGAZAMERZUN. c-d1 e1 POLE WHEEL. TEENTH. c-d1 e1 DENTS ROUE. DENTEE. c-d1 e1	90	90	ABS system ABS-system Systeme ABS
RSS R-SS R-SS			
Einzelbeurteilung Simple Test Monte sample			
Zwillingsspeicherung Twin. Tire Monte jumeke	X		
		Lenkachse Steering axle Essieu avant	
		Kapitaleschies Fahrzeug Critical Trailer Vehicule critique	

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

Subsystems	SB	I/O	24N
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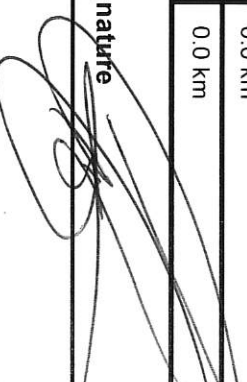


ACHSE AXLE ESSIEU	pm (bar)	pm (bar)	pm (bar)	pm (bar)	pm (bar)	pm (bar)	TR (dan)	Pz							
1	1600	0.6	2.3	8000	4.7	0.4	1.5	---	6.5	24	67	127	448	4186	
2	1600	0.6	2.3	8000	4.7	0.4	1.5	---	6.5	24	67	127	448	4186	
3	1300	0.4	1.8	6350	3.6	0.4	1.5	---	4.7	-	24 / 30	64	127	493	2939
4	1300	0.4	1.8	6350	3.6	0.4	1.5	---	4.7	-	24 / 30	64	127	493	2939
5	1300	0.4	1.8	6350	3.6	0.4	1.5	---	4.7	-	24 / 30	64	127	493	2939

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.	7A9E20017N2023202
Vehicle type	5AFT CURTAINSIDE	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-05-23 12:17:49 pm		

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

distribution: DOMETT TRAILERS
 7A9E20017N2023202
 SODC: JH220319
 LT400: CJC 825579

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 TRAILERS
 trailer model : SAFT CURTAINSIDE
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS E
 TRISTOP 3+4+5: 24/30
 215/75 R 17,5

ALL CHAMBERS ARE TSE - EQUIVALENT PERFORMANCE IS AVAILABLE IN THE CERTIFICATION FILE.

axle 1 + 2 + 3 + 4 + 5 : SAF, SNK 300 x 200, TDB 0487 ECE,

		unladen					laden					
total mass		P	in	kg								
axle 1		P1	in	kg		7100					35050	
axle 2		P2	in	kg		1600					8000	
axle 3		P3	in	kg		1600					8000	
axle 4		P4	in	kg		1300					6350	
axle 5		P5	in	kg		1300					6350	
wheel base		E	in	mm		7700	-	7800				
centre of gravity height		h	in	mm								2020

		axle 1		axle 2		axle 3		axle 4		axle 5	
no. of combined axles		1	1	1	1	1	1	1	1	1	1
no. of brake chambers per axle line	KDZ	2	2	2	2	2	2	2	2	2	2
The power output corresponds to		BC 0069.2BC	BC 0069.2BC	BC 0051.0BC	BC 0051.0BC	BC 0051.0BC	BC 0051.0BC	BC 0051.0	BC 0051.0	BC 0051.0	BC 0051.0
brake chamber manufacturer		BPW	BPW	WABCO	WABCO	WABCO	WABCO	WABCO	WABCO	WABCO	WABCO
chamber size		24.	24.	24/30	24/30	24/30	24/30	24/30	24/30	24/30	24/30
lever length	lBh in mm	127	127	127	127	127	127	127	127	127	127
brake factor	[-]	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95
dyn. rolling radius	rdyn min in mm	373	373	373	373	373	373	373	373	373	373
dyn. rolling radius	rdyn max in mm	373	373	373	373	373	373	373	373	373	373
threshold torque	Co Nm	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

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	brake force(rdyn max)T lad. at pm6,5bar	Brake force incl. 1 % rolling resistance	proportion
	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	6.5	6.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	9386	9386	6649	6649	6649	6649	6649	6649	6649
	50316	50316	35337	35337	35337	35337	35337	35337	35337
	50316	50316	35337	35337	35337	35337	35337	35337	35337
	20.1	20.1	19.9	19.9	19.9	19.9	19.9	19.9	19.9

braking rate z laden 0.601 for rdyn min
 z = sum (TR)/PRmax 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: 971 002 ... 0 WABCO
EBS emergency valve

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

brake cylinder: BPW 05.444.15...

axle 2:

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

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

brake cylinder: BPW 05.444.15...

axle 3:

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 4:

valve 1: 971 002 ... 0 WABCO
 EBS emergency valve
 valve 2: 480 102 ... 0 WABCO
 EBS trailer modulator

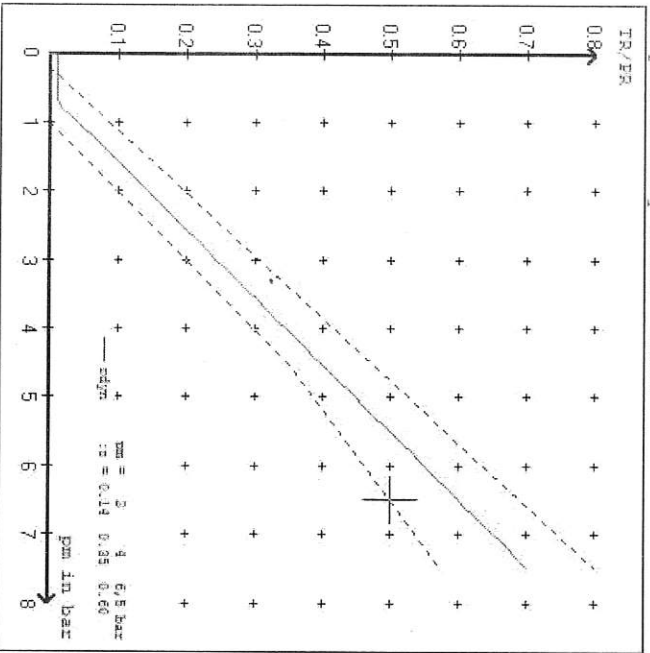
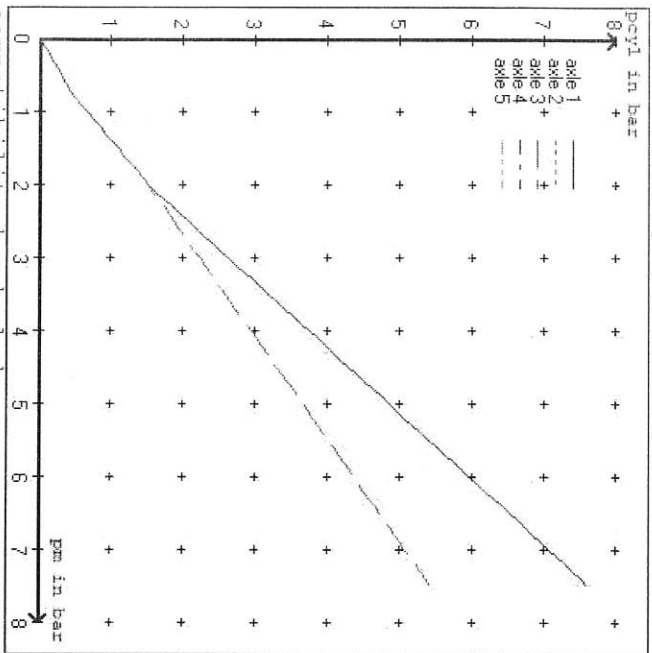
brake cylinder: WABCO 925 376 005 0 / 925 376 2.. 0

axle 5:

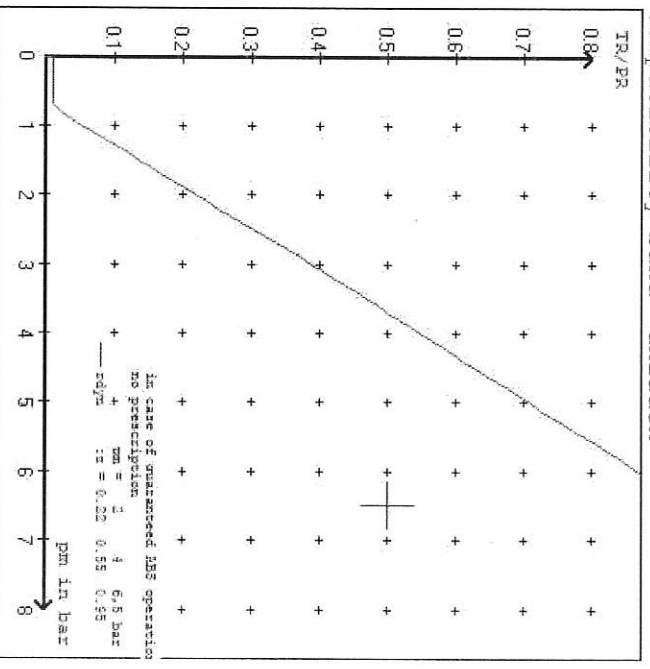
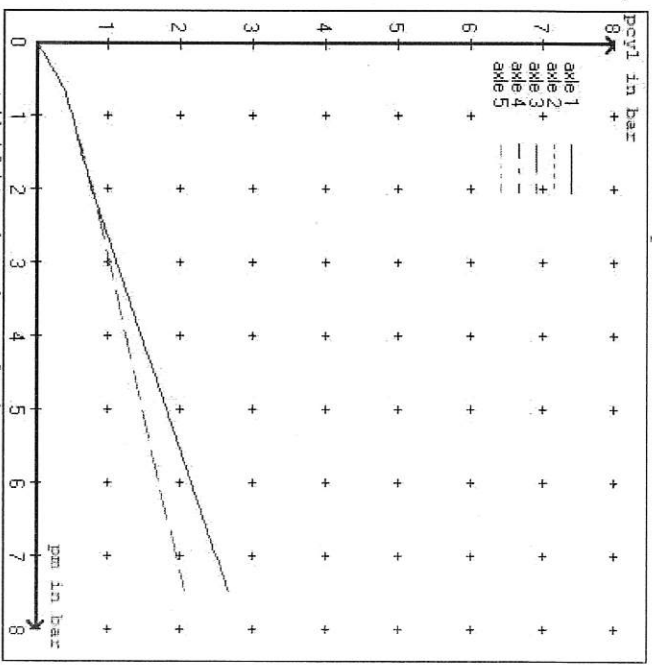
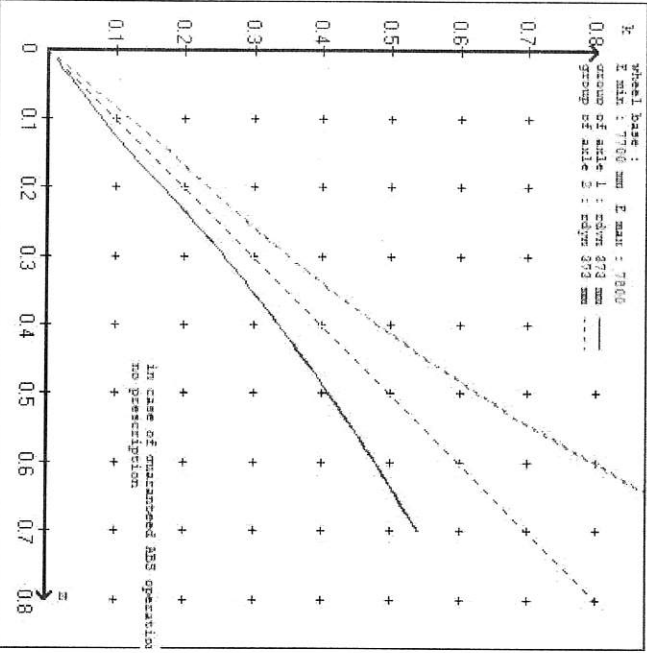
valve 1: 971 002 ... 0 WABCO
 EBS emergency valve
 valve 2: 480 102 ... 0 WABCO
 EBS trailer modulator

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

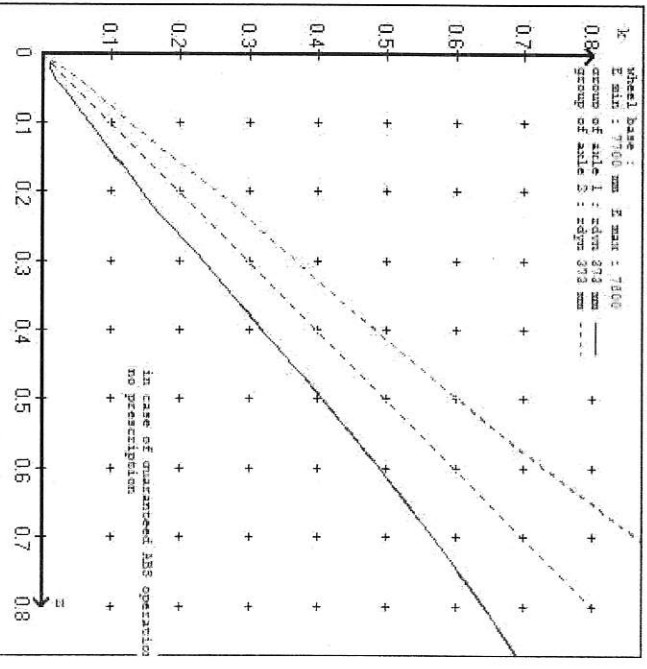
test type III (ZIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5
at pm 3.6 bar =>	pcha in bar :	3.2	3.2	2.6	2.6	2.6
test type III (ZIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5
at pm 1.2 bar =>	pcha in bar :	0.8	0.8	0.8	0.8	0.8



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CURTAINSIDE
 trailer type : 5-axle-full-trailer

brake chamber and lever length :
 axle 1 : 2 x type/diameter 24. (BPW) Lever length 127 mm
 axle 2 : 2 x type/diameter 24. (BPW) Lever length 127 mm
 axle 3 : 2 x type/diameter 24/30 (WABCO) Lever length 127 mm
 axle 4 : 2 x type/diameter 24/30 (WABCO) Lever length 127 mm
 axle 5 : 2 x type/diameter 24/30 (WABCO) Lever length 127 mm

brake diagram :

valve :
 971 002 ... 0 WABCO EBS emergency 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 TRAILERS
 trailer model : 5AFT CURTAINSIDE
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52450A

tire circumference main axle : 2350 for rdyn max
 tire circumference auxilliary axle : 2350 for rdyn max

assignment pm / deceleration z: pm 0.7 bar z = 0.010
 2.0 bar z = 0.142
 (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	1600	to be	2.3	8000	to be	0.4	1.5	6.5
2	1600	entered by	2.3	8000	entered by	0.4	1.5	6.5
3	1300	the vehicle	1.8	6350	the vehicle	0.4	1.5	4.7
4	1300	manufact.	1.8	6350	manufact.	0.4	1.5	4.7
5	1300		1.8	6350		0.4	1.5	4.7

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 5
axle load	axle load	axle load	axle load	axle load
1600	1600	1300	1300	1300
2100	2100	1800	1800	1800
2600	2600	2300	2300	2300
3100	3100	2800	2800	2800
3600	3600	3300	3300	3300
4100	4100	3800	3800	3800
4600	4600	4300	4300	4300
5100	5100	4800	4800	4800
8000	8000	6350	6350	6350
pcyl	pcyl	pcyl	pcyl	pcyl
2.3	2.3	1.8	1.8	1.8
2.6	2.6	2.1	2.1	2.1
3.0	3.0	2.4	2.4	2.4
3.3	3.3	2.7	2.7	2.7
3.6	3.6	2.9	2.9	2.9
3.9	3.9	3.2	3.2	3.2
4.3	4.3	3.5	3.5	3.5
4.6	4.6	3.8	3.8	3.8
6.5	6.5	4.7	4.7	4.7

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

axle 1 : reference axle: SAF	SNK 3020	brake lining: BK 6386
test report :	TDB 0487 ECE	date : 20130930
axle 2 : reference axle: SAF	SNK 3020	brake lining: BK 6386
test report :	TDB 0487 ECE	date : 20130930
axle 3 : reference axle: SAF	SNK 3020	brake lining: BK 6386
test report :	TDB 0487 ECE	date : 20130930
axle 4 : reference axle: SAF	SNK 3020	brake lining: BK 6386
test report :	TDB 0487 ECE	date : 20130930
axle 5 : reference axle: SAF	SNK 3020	brake lining: BK 6386
test report :	TDB 0487 ECE	date : 20130930

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

axle 1	(rdyn 373 mm)	T = 20.7 %	Fe
axle 2	(rdyn 373 mm)	T = 20.7 %	Fe
axle 3	(rdyn 373 mm)	T = 16.4 %	Fe
axle 4	(rdyn 373 mm)	T = 16.4 %	Fe
axle 5	(rdyn 373 mm)	T = 16.4 %	Fe

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

axle 1	(sp = 74 mm)	S = 58 mm
axle 2	(sp = 74 mm)	S = 58 mm
axle 3	(sp = 63 mm)	S = 58 mm
axle 4	(sp = 63 mm)	S = 58 mm
axle 5	(sp = 63 mm)	S = 58 mm

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

axle1	ThA = 9386 N
axle2	ThA = 9386 N
axle3	ThA = 6649 N
axle4	ThA = 6649 N
axle5	ThA = 6649 N

calc. residual (hot) braking force in N
(item 4.3.1.4 of appendix 2 to annex 11)

axle 1	(rdyn 373 mm)	T = 36346 N
axle 2	(rdyn 373 mm)	T = 36346 N
axle 3	(rdyn 373 mm)	T = 25593 N
axle 4	(rdyn 373 mm)	T = 25593 N
axle 5	(rdyn 373 mm)	T = 25593 N

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

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
	0.43

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 373 mm)	T = 36346 N
axle 2	(rdyn 373 mm)	T = 36346 N
axle 3	(rdyn 373 mm)	T = 25593 N
axle 4	(rdyn 373 mm)	T = 25593 N
axle 5	(rdyn 373 mm)	T = 25593 N

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

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
	0.43

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	axle 5
no of TRISTOP-actuators per axle	2	2	2
TRISTOP-actuator type	24/30	24/30	24/30
lever length	127	127	127
stat. tyre radius	356	356	356
at a stroke of	30	30	30
min. force of spring brake	6360	6360	6360
sp.brake chamber no 925	376 005	0376 005	0376 005 0
sp.brake chamber no 925	376 2..	0376 2..	0376 2.. 0
release pressure	4.9	4.9	4.9

calculation:

```

ratio until road
iFb = IBh*Eta+C*rBt/(2*rBn*rstat)
for rstat in mm
brake force of spring br. Tf in N
Tf = (TFZ*KDZ-2*Co/IBh)*iFb
braking rate
zf = sum (Tf)/P + 0,01
zf laden 0.313
    
```

Test of the frictional connection required by the parking brake

```

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

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

```

min Ef = 5005 mm for E = 7700 mm
=====
min Ef = 5064 mm for E = 7800 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 = 0.80 maximum permissible frictional connection required
zferf = 0.18 maximum required braking ratio of the parking brake
h = 2020 mm height of center of gravity - laden
PR = 19050 kg maximum bogie mass - laden
P = 35050 kg maximum total mass - laden
nf = 3 no. of axle(s) with TRISTOP spring brake actuators
ng = 3 no. of bogie axle(s)
    
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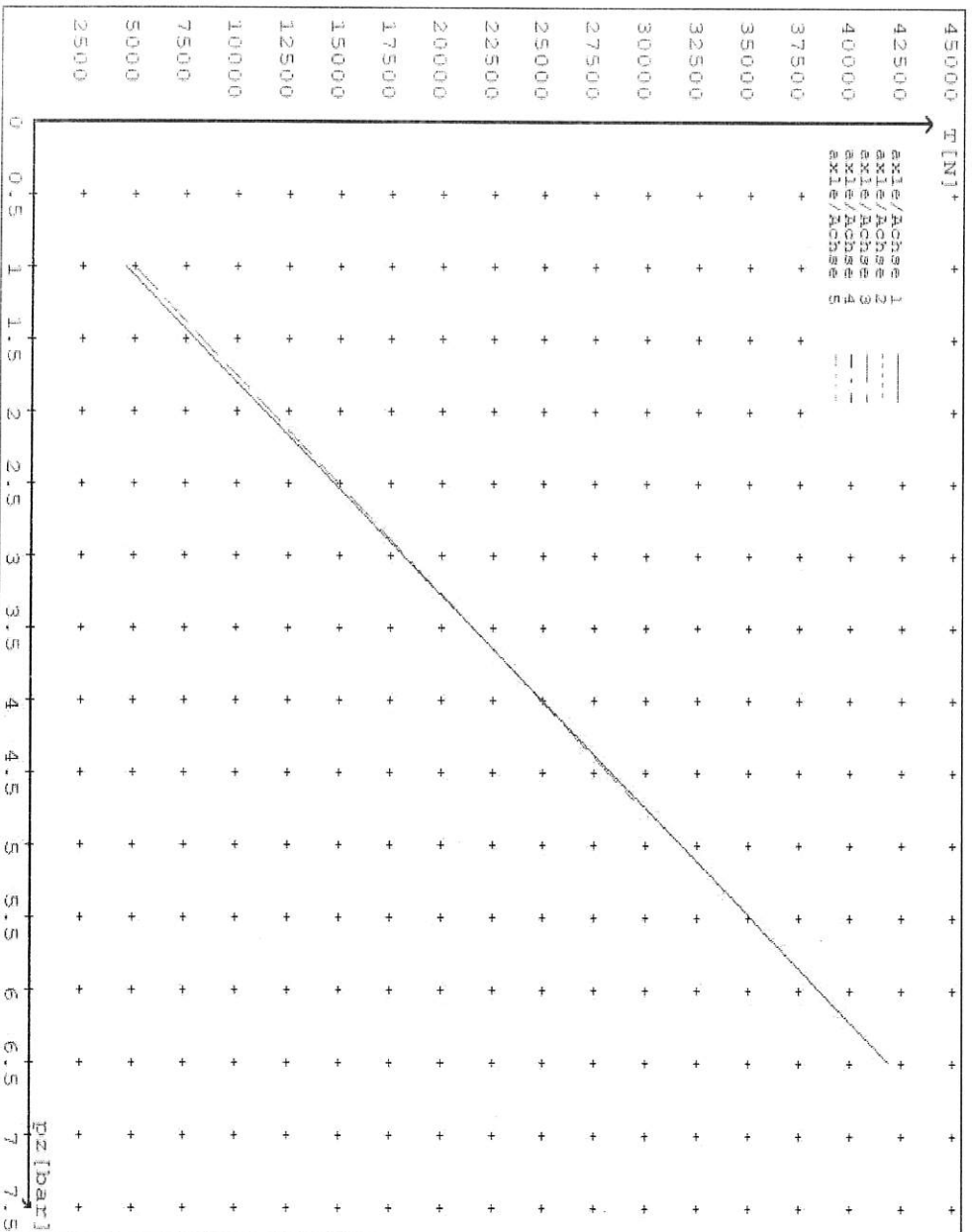
reference values

reference values for z = 50% for max rdyn: 373 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0 6.5	4480 41860	
axle 2	1.0 6.5	4480 41860	
axle 3	1.0 4.7		4936 29399
axle 4	1.0 4.7		4936 29399
axle 5	1.0 4.7		4936 29399

VIN - no.:

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

EXCEPT 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

(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.

A handwritten signature in black ink, appearing to read 'J E Hirst'.

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.**

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: TUMU TRANSPORT

VEHICLE DETAILS

VEHICLE TYPE: SAFT CURTAINSIDE **CERT #:** JH220319
YEAR: 2022 **CALCULATION #:** TP52450
MAKE: DOMETT **REGO #:** N/A
MODEL: E2001 SH **LT400 #:** 825579
CHASSIS #: 2202 **ORDER #:** 8936
VIN #: 7A9E20017N2023202

GVW: 32 **PRIME MOVER:** UNKNOWN

LOAD CONFIGURATION: MIXED FREIGHT

GROUP RATINGS: **FRONT** 16 **REAR** 19

WHEEL BASE: 7.75

UNLADEN COG <i>m</i>	1.165	MAX HEIGHT <i>m</i>	4.3	HEIGHT DECK <i>m</i>	0.913
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COG: *m* 2.018

FRONT	3.25	REAR	4	TOTAL	7.25
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TARE: *t* 215 75 R17.5

FRONT	215 75 R17.5	REAR	215 75 R17.5
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TYRE SIZE: 2344

FRONT	2344	REAR	2344
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ROLLING CIRCUMFERENCE: *mm* 1.31

FRONT	1.31	REAR	2.51
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BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-300 X 200	TDB0487
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	BK 6386	BRAKE FACTOR:	7.95
SENSED AXLE(S):	2 + 4		
SERIAL NUMBERS:	NOTES:		

1	N/A	U22/2504EN30-70
2	N/A	U22/2504EN30-70
3	N/A	U22/2504EN30-70
4	N/A	U22/2504EN30-70
5	N/A	U22/2504EN30-70

CHAMBER AND VALVING DETAILS

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
BRAND:	24S	2430 TN2	2430 TN2
SIZE:	67	64	64
STROKE: mm	TSE derived	TSE derived	TSE derived
TEST REPORT #:	N/A	6.72	6.72
SPRINGBRAKE FORCE: kN	N/A	4.8	4.8
HOLDOFF PRESSURE: Bar	DRUM	DRUM	DRUM
FOUNDATION BRAKE:	127	127	127
LEVER LENGTH: mm	MAKE:	PART NUMBER:	PMI PRESS. kPa

BRAKE VALVES:	WABCO	480 102 08. 0 (MV)	70 kPa
ECU PART #:	WABCO	480 207 202 0 (12V)	70 kPa
3RD MODULATOR #:	YES		
ANTI-COMPOUNDING:	WABCO_PREV	971 002 900 0	
SPRING BRAKE RELAY:	WABCO-PREV	971 002 900 0	
YARD RELEASE VALVE:	N/A	N/A	
INLINE RELAY FITTED:			

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_MODULAR	SAF_MODULAR
BELLOW SIZE:	2618, 300mm	2618, 300mm
HEIGHT CONTROL VALVE:	HALDEX 90554950	HALDEX 90554950
OTHER VALVES:	N/A	N/A
RIDE HEIGHT mm :	215	215
HANGER HEIGHT mm :	250	250
PEDESTAL HEIGHT mm :	40	40
LIFTAXLE:	N/A	N/A
TIPPING DUMP SWITCH:	N/A	N/A
LIFTAXLE VALVE:	N/A	N/A
PRESSURE LIMITING:	N/A	N/A

AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2	
	FRONT	REAR
BRAKE TANK SIZE: L	46	46 + 25
AUXILIARY TANK SIZE: L	N/A	46
PRESSURE PROTECTION:	WABCO PEM: 461 513 002 0	

AIR LINES

TEST POINTS:		
CONTROL LINE:	X 1	TANK: X 1
REAR CHAMBER:	X 2	FRONT CHAMBER: X 1
DUOMATIC 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:	<input checked="" type="checkbox"/>	VALVE MOUNTING:	<input checked="" type="checkbox"/>
ECU BLANKING PLUGS CHECKED:	<input checked="" type="checkbox"/>		
RESPONSE TIME:	MODULATOR 2.1	MODULATOR 2.2	RELAY VALVE
ms:	200	215	390

NOTES AND SPECIAL CONDITIONS

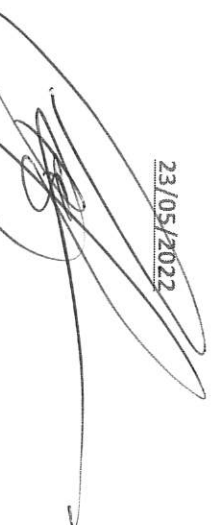
THE COUPLING PRESSURE (Pm) SET @ 0.6 BAR TO MITTIGATE LINING GLAZE BEHIND A EUROPEAN TOWING VEHICLE.
FILES RECEIVED: 23.12.2021
FILES CREATED: 10.03.22
FILES ENCRYPTED & SENT: 21.04.2022
FILES RETURNED AS COMPLETE:
REASON FOR CERTIFICATION: NEW TRAILER BUILD

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: 23/05/2022

SIGNED:


CHRIS CLARKE CJC

CERTIFIER NAME & ID: JOHN HIRST JEH

SODC BY: 09-980-7300

PHONE (BUS):

FAX:

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