

Heavy vehicle specialist certificate

25-Nov-22

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (print in caps)

CHRIS CLARKE

ID

CJC

Plate number (optional)

VIN/chassis number
7A9E30016N2023236

Make

DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)

E3001

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.
 SAFT PLATFORM TIPPER
RSS ON TYRE: 265 70 R19.5
 FOR SYSTEM ARCHITECTURE, PLEASE REFER TO PDS WORKSHEET & SCHEMATIC.
REASON FOR CERTIFICATE: NEW TRAILER BUILD

Code/standard/rule certified to

LTR 32015/5

Component load rating(s)

33 Tonnes GVM

General drawing number(s)

N/A

16 Tonne (Front brake mass)
 19 Tonne (Rear brake mass)

Supporting documents

BRAKE RULE CERTIFICATE JH221118
BRAKE CALCULATION # TP52591

Special conditions (optional)

**WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN
 EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 7 KMH**

Certification expiry date (if applicable)

N/A [UNLESS MODIFIED]

Hubodometer reading (whichever comes first)

Declaration

Designer's ID (if different from inspector below)

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

 Inspector's name (PRINT IN CAPS) **CHRIS CLARKE** ID number **CJC**
 Date **25.11.2022** Number **849403**

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	2022-10-17	Serial number	897042586300N
Serial number (modulator)	000000561797		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-1-25 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO

TRAILER EBS-E

GGV/ADR TUEH TB 2007 - 019.00
TBB0749

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
TYPE	5AFT PLATFORM TIPPER		
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9E30016N2023236		
BREMSEBERECHNUNG-NR. BRAKE CALCULATION NO. CALCULÉ FREINSE-NR.	TP52591A		
POLYMERBREMSE, G31 G4 POLYMER BRAKE, G31 G4 DENTS ROUE D'ENTRE cd 1 e 4	90	90	ABS System ASS-System Systeme ABS 4S/3M
Einachsbedienung Simple axle Monte simple			Leichtachse Simple axle Essieu Vitrue
Zwillingsbedienung Twin axle Monte jumelle	X		Kippachse Steering Vehicle critique
Subsystems	...	I/O	24N

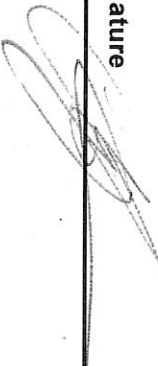
GIO	Pin1	Pin3	Pin4
1	---	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---

ROUE AXLE ESSEU	pm (bar)	pm (bar)	0.8	2.0	6.5	Tb	TYPE	(mm)	(mm)	TR (daN)						
										1.0	Pz					
1	1850	0.9	2.5	8000	5.1	0.4	1.3	---	6.4	-	20	65	69	69	509	4720
2	1850	0.9	2.5	8000	5.1	0.4	1.3	---	6.4	-	20	65	69	69	509	4720
3	1200	0.4	1.5	6350	4.0	0.3	1.4	---	4.3	-	14 / 16	64	69	69	489	2582
4	1200	0.4	1.5	6350	4.0	0.3	1.4	---	4.3	-	14 / 16	64	69	69	489	2582
5	1200	0.4	1.5	6350	4.0	0.3	1.4	---	4.3	-	14	64	69	69	489	2582

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.	7A9E30016N2023236
Vehicle type	5AFT PLATFORM TIPPER	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-11-25 7:55:42 am		

distribution: DOMETT TRAILERS
 7A9E30016N2023236
 SODC: JH221118
 LT400: CJC 849403

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 TRAILERS
 trailer model : 5AFT PLATFORM TIPPER
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS E
 TRISTOP 3+4: T.14/24 [TSE1416HTLD ACTUALLY FITTED -
 SEE PAGE 7 FOR PERFORMANCE DATA]
 265/70 R 19,5

axle 1 + 2 + 3 + 4 + 5 : SAF, SBW 1937, TDB 0749 ECF,

			unladen	laden
total mass	P	in kg	7300	35050
axle 1	P1	in kg	1850	8000
axle 2	P2	in kg	1850	8000
axle 3	P3	in kg	1200	6350
axle 4	P4	in kg	1200	6350
axle 5	P5	in kg	1200	6350
wheel base	E	in mm	6470	6570
centre of gravity height	h	in mm	1110	2155

	axle 1	axle 2	axle 3	axle 4	axle 5
no. of combined axles	1	1	1	1	1
no. of brake chambers per axle line	2	2	2	2	2
The power output corresponds to	BZ 122.1	BZ 122.1	BZ 119.6	BZ 119.6	BZ 122.1
brake chamber manufacturer	Meritor	Meritor	Meritor	Meritor	Meritor
chamber size	20.	20.	T.14/24	T.14/24	14.
lever length	69	69	69	69	69
brake factor	23.03	23.03	23.03	23.03	23.03
dyn. rolling radius	421	421	421	421	421
dyn. rolling radius	421	421	421	421	421
threshold torque	6.0	6.0	6.0	6.0	6.0

calculation:

	min	at z=22, 5%bar	at z=22, 5%bar	at z=22, 5%bar	at z=22, 5%bar
chamber pressure(rdyn)	2.3	2.3	2.0	2.0	2.0
chamber pressure(rdyn max)	2.3	2.3	2.0	2.0	2.0
chamber press.(servo)pcha	6.4	6.4	4.3	4.3	4.3
piston force	7441	7441	4085	4085	4085
brake force(rdyn min)	56364	56364	30837	30837	30837
brake force(rdyn max)	56364	56364	30837	30837	30837
Brake force incl. 1 % rolling resistance	22.3	22.3	18.5	18.5	18.5

braking rate z laden 0.597 for rdyn min
 z = sum (TR)/PRmax 0.597 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.. 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

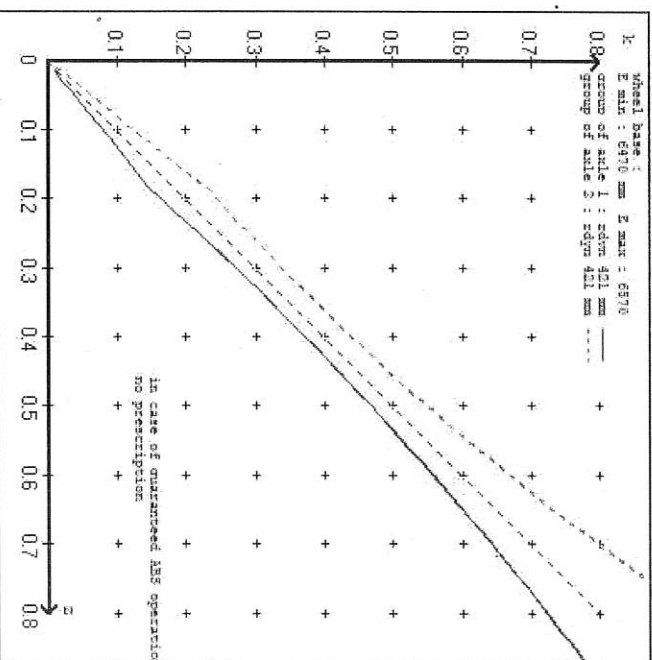
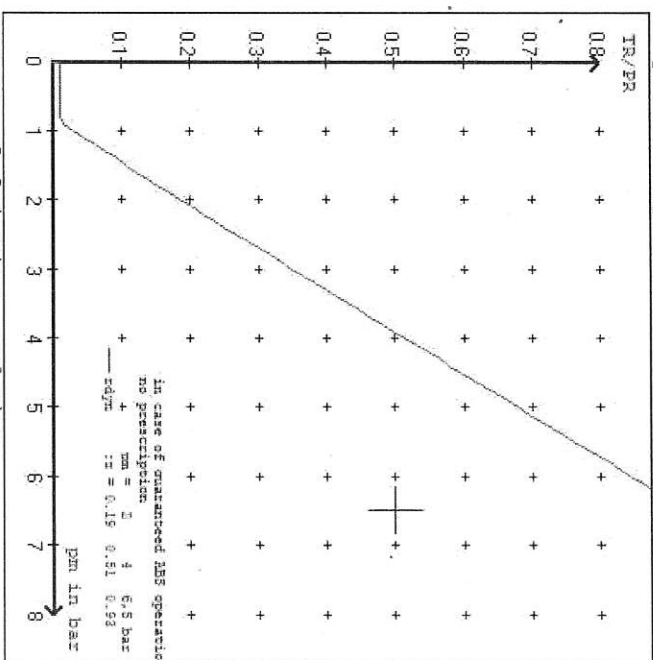
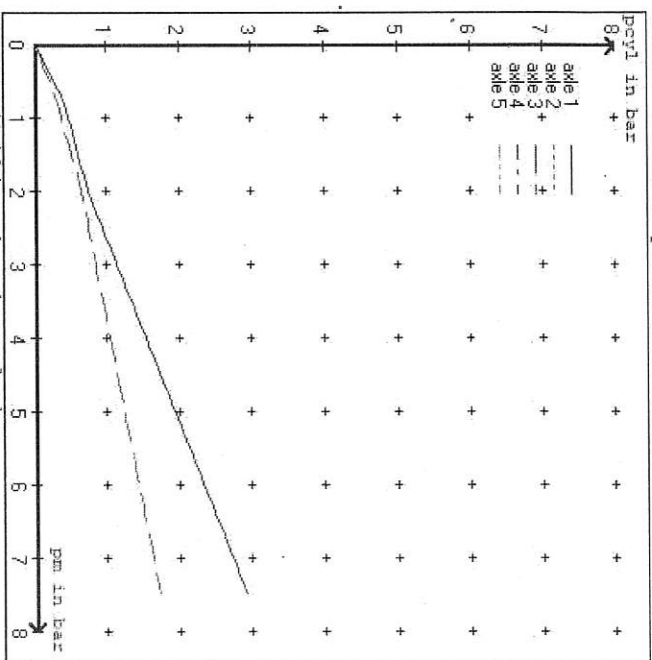
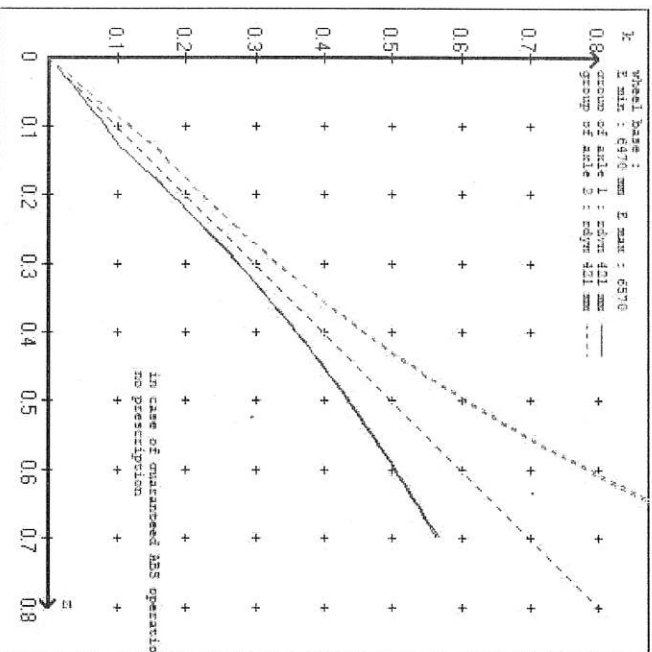
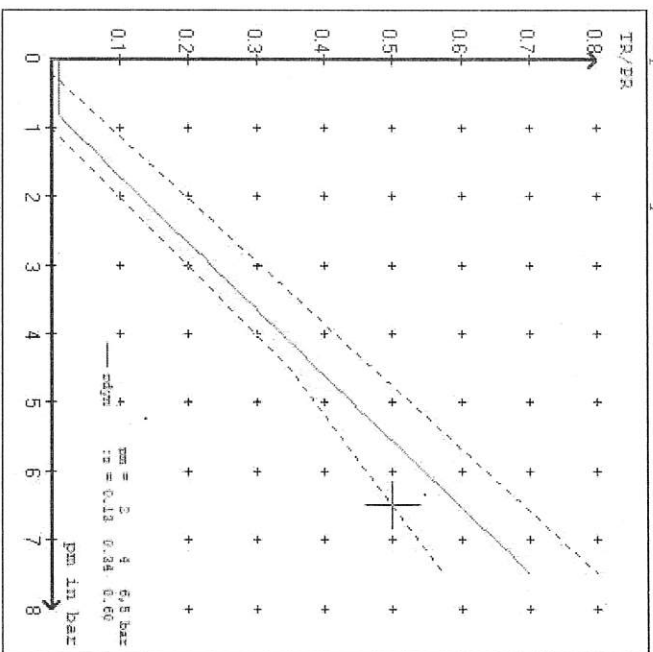
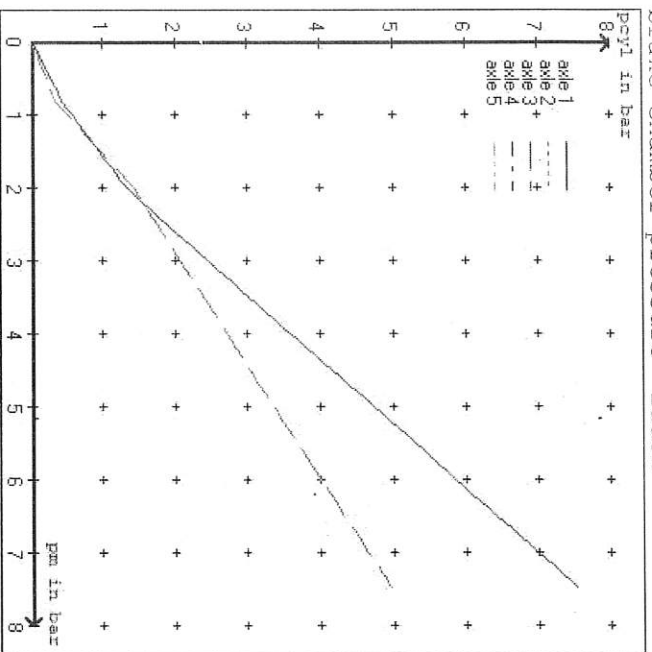
axle 4 :
valve 1: 480 102 0.. 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 5 :
valve 1: 480 102 0.. 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 14HSCLD64

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	2.5	2.5	2.5	2.5
test type III	(zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 1.3 bar =>		pcha in bar :	0.8	0.8	0.8	0.8	0.8	0.8



vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT PLATFORM TIPPER
 trailer type : 5-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 T.14/24 (Meritor) lever length 69 mm
 axle 4 : 2 x type/diameter T.14/24 (Meritor) lever length 69 mm
 axle 5 : 2 x type/diameter 14. (Meritor) lever length 69 mm

brake diagram :

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

EBS input data

=====
 vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT PLATFORM TIPPER
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52591A

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	1850	to be	2.5	8000	to be	0.4	1.3	6.4
2	1850	entered by	2.5	8000	entered by	0.4	1.3	6.4
3	1200	the vehicle	1.5	6350	the vehicle	0.3	1.4	4.3
4	1200	manufact.	1.5	6350	manufact.	0.3	1.4	4.3
5	1200		1.5	6350		0.3	1.4	4.3

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
1850	1850	1200	1200	1200
2350	2350	1700	1700	1700
2850	2850	2200	2200	2200
3350	3350	2700	2700	2700
3850	3850	3200	3200	3200
4350	4350	3700	3700	3700
4850	4850	4200	4200	4200
5350	5350	4700	4700	4700
8000	8000	6350	6350	6350
pcyl1	pcyl1	pcyl1	pcyl1	pcyl1
2.5	2.5	1.5	1.5	1.5
2.8	2.8	1.8	1.8	1.8
3.1	3.1	2.0	2.0	2.0
3.5	3.5	2.3	2.3	2.3
3.8	3.8	2.6	2.6	2.6
4.1	4.1	2.9	2.9	2.9
4.4	4.4	3.1	3.1	3.1
4.7	4.7	3.4	3.4	3.4
6.4	6.4	4.3	4.3	4.3

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
axle 5 : 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 = 26.2 % Fe
axle 2	(rdyn 421 mm)	T = 26.2 % Fe
axle 3	(rdyn 421 mm)	T = 16.9 % Fe
axle 4	(rdyn 421 mm)	T = 16.9 % Fe
axle 5	(rdyn 421 mm)	T = 16.9 % 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 = 56 mm)	s = 39 mm
axle 4	(sp = 56 mm)	s = 39 mm
axle 5	(sp = 56 mm)	s = 39 mm

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

axle1	ThA = 7441 N
axle2	ThA = 7441 N
axle3	ThA = 4085 N
axle4	ThA = 4085 N
axle5	ThA = 4085 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 = 44004 N
axle 2	(rdyn 421 mm)	T = 44004 N
axle 3	(rdyn 421 mm)	T = 24161 N
axle 4	(rdyn 421 mm)	T = 24161 N
axle 5	(rdyn 421 mm)	T = 24161 N

basic test type III
 of subject (calculated)
 trailer (E) residual
 (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 = 44004 N
axle 2	(rdyn 421 mm)	T = 44004 N
axle 3	(rdyn 421 mm)	T = 24161 N
axle 4	(rdyn 421 mm)	T = 24161 N
axle 5	(rdyn 421 mm)	T = 24161 N

basic test type III
 of subject (calculated)
 trailer (E) residual
 (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	2	2
TRISTOP-actuator type	T.14/16	T.14/16
lever length	69	69
stat. tyre radius	401	401
at a stroke of	30	30
min. force of spring brake	6160	6160
sp.brake chamber no Meritor.....	4	4
release pressure	4.8	4.8
	pls in bar	

calculation:

ratio until road 3.9674 3.9674
 $iFb = LBh * \text{Eta} * C * rBt / (rBn * rstat)$
 for rstat in mm 401 401
 brake force of spring br. Tf in N 48188 48188
 $Tf = (TFZ * KDZ - 2 * Co / LBh) * iFb$
 braking rate zf laden 0.290
 $zf = \text{sum} (Tf) / P + 0,01$

Test of the frictional connection required by the parking brake

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

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

min Ef = 5044 mm for E = 6470 mm
 =====
 min Ef = 5113 mm for E = 6570 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 = 2155 mm height of center of gravity - laden
 PR = 19050 kg maximum bogie mass - laden
 P = 35050 kg maximum total mass - laden
 nf = 2 no. of axle(s) with TRISTOP spring brake actuators
 ng = 3 no. of bogie axle(s)

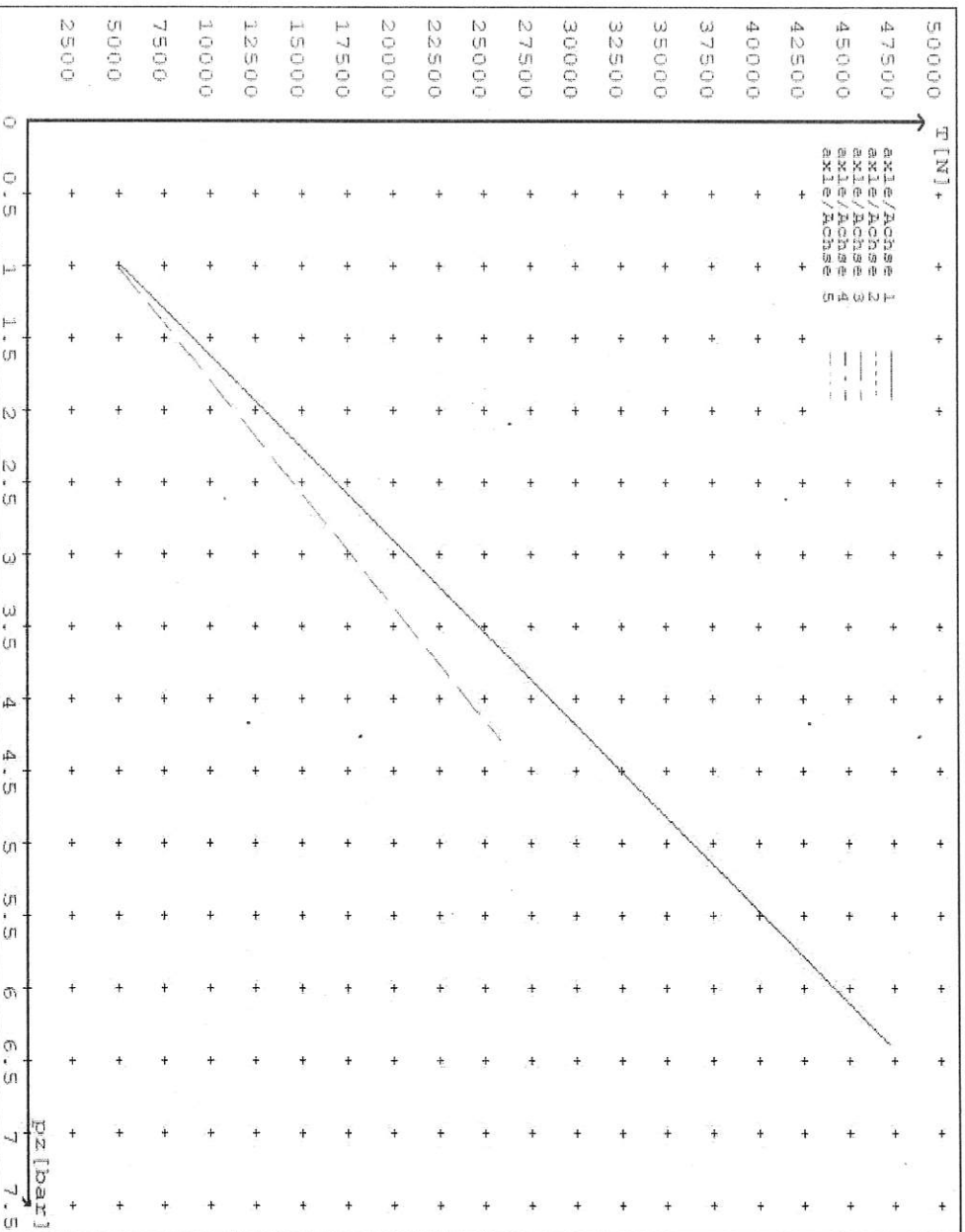
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0 6.4	5095 47206	
axle 2	1.0 6.4	5095 47206	
axle 3	1.0 4.3		4897 25827
axle 4	1.0 4.3		4897 25827
axle 5	1.0 4.3		4897 25827

VIN - no.:

	Axle(s) / Achse(n)			
brake cylinder type (service / parking)	20. /	20. /	T.14/24	T.14/24
Bremszylinder Typ (Betrieb / Rest)				14. /
Maximum stroke smax = ...mm	65	65	64	64
maximaler Hub smax = ...mm				64
Lever length = ...mm	69.08	69.08	69.08	69.08
Hebellänge = ...mm				69.08





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', written over a horizontal line.

J E Hirst
(JEH HVEK)
(09 980 7300)



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

CLIENT

MANUFACTURER: DOMETT TRAILERS
ADDRESS: TAURIKURA DRIVE, TAURANGA 3110
FLEET: RIORDAN & WEST

VEHICLE DETAILS

VEHICLE TYPE: SAFT PLATFORM TIPPER **CERT #:** JH221118
YEAR: 2022 **CALCULATION #:** TP52591
MAKE: DOMETT **REGO #:** N/A
MODEL: E3001 **LT400 #:** 849403
CHASSIS #: 2236 **ORDER #:** 9159
VIN #: 7A9E30016N2023236

GVW: t 33 **PRIME MOVER:** EBS / EUROPEAN

LOAD CONFIGURATION: MIXED FREIGHT

GROUP RATINGS: t

FRONT	16	REAR	19
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WHEEL BASE: m

6.52

UNLADEN COG m **MAX HEIGHT m** **HEIGHT DECK m**

1.11	4.3	1.226
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COG: m

2.154

TARE: t

FRONT	3.72	REAR	3.68	TOTAL	7.4
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TYRE SIZE:

FRONT	265 70 R19.5	REAR	265 70 R19.5
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ROLLING CIRCUMFERENCE: mm

2645	2645
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AXLE SPACING: m

1.31	2.61
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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 AXLE(S):	# 2 + 4	NOTES:	
SERIAL NUMBERS:	1	SAF NG-IU25	
	2	SAF NG-IU25	
	3	SAF NG-IU25	
	4	SAF NG-IU25	
	5	SAF NG-IU25	

CHAMBER AND VALVING DETAILS

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
BRAND:	20HSCLD	1416HTLD	14HSCLD
SIZE:	65	64	64
STROKE: mm	BC0041.0 Jul '07	BC0143.0	BZ122.1 Sep '00
TEST REPORT #:	N/A	6.16	N/A
SPRINGBRAKE FORCE: kN	N/A	4.8	N/A
HOLDOFF PRESSURE: Bar	WABCO PAN19	WABCO PAN19	WABCO PAN19
FOUNDATION BRAKE:	69	69	69
LEVER LENGTH: mm	MAKE:	PART NUMBER:	PM PRESS. kPa
BRAKE VALVES:	WABCO	480 102 08. 0 (MV)	80 kPa
ECU PART #:	WABCO	480 207 202 0 (12V)	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 0.5.

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:	HALDEX 90554950	HALDEX 90554950
OTHER VALVES:	N/A	N/A
RIDE HEIGHT <i>mm</i> :	260	240
HANGER HEIGHT <i>mm</i> :	200	200
PEDESTAL HEIGHT <i>mm</i> :	40	5
LIFTAXLE:		N/A
TIPPING DUMP SWITCH:		N/A
LIFTAXLE VALVE:		N/A
PRESSURE LIMITING:		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: VALVE MOUNTING:

ECU BLANKING PLUGS CHECKED:

RESPONSE TIME: MODULATOR 2.1 MODULATOR 2.2 RELAY VALVE

ms:

NOTES AND SPECIAL CONDITIONS

FILES RECEIVED: 29.07.2022

FILES CREATED & SENT TO CIC: 24.11.2022

DATE OF INSPECTION & SIGN OFF: 25/11/2022 FOR 01-09-2022 (E/M)

M.A. APPRO. O. POST SIGN. OFF. CIC TO MODIFY PARAMETER SET ON 07-08-2022

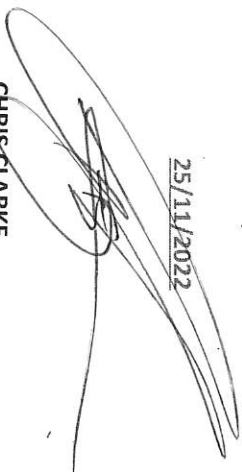
REASON FOR CERTIFICATION: NEW TRAILER BUILD

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, SCHEDULE 5.

DATE: 25/11/2022

SIGNED:



CERTIFIER NAME & ID: CHRIS CLARKE CIC

SODC BY: JOHN HIRST JEH

PHONE (BUS): 09-980-7300

FAX:

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