

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

ID **CJC**

Vehicle registration (optional)

VIN/chassis number

7A9E20013L1023961

Make **DOMETT**

Component being certified:

Chassis

Load anchorage

Model (optional) **E2001 PH**

Log bolsters

Towing connection

Brakes

Certification category
HVEK

SRT

PSV stability

PSV rollover

Swept path

PBS

Description of work

CERTIFY TO SCHED 5 OF LTR 32015/5: NZ HEAVY VEHICLE BRAKE SPECIFICATION

CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOCOL.

5AFT CURTAININSIDE RSS ACTIVE ON TYRE: 265 70 R19.5

BRAKE CHAMBERS FRONT: 20HSCLD

BRAKE CHAMBERS REAR: 1416HTLD 14HSCLD

Code/standard/rule certified to
LTR 32015/5

Component load rating(s)

33 Tonnes GVM

General drawing number(s)
N/A

16 Tonnes (Front group ratings)

19 Tonnes (Rear group ratings)

Supporting documents

BRAKE RULE CERTIFICATE JH200508

BRAKE CALCULATION # TP52045

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)

Designer's ID (if different from inspector below)



Inspector's signature



Inspector's name (PRINT IN CAPS)

CHRIS CLARKE

ID number

CJC

Date

15-May-20

Number

742225

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	480 102 084 0
Production date	2019-09-06	Serial number	437008031000M
Serial number (modulator)	000000501738		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2020-05-13 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

TRAILER EBS-E

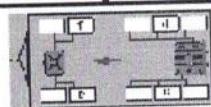
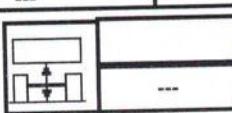
GGVS/ADR TUEH TB 2007 - 019.00

ATRP0185

WABCO

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
TYP TYPE	5AFT CURTAININSIDE		
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9E20013L1023961		
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	TP52045A		
POLRADZAHNE2AHL c-d e-f POLE WHEEL TEETH c-d e-f DENTS ROUE DENTÉE c-d e-f	100	100	ABS-System ABS-System Système ABS
RSS RSS RSS	Einfachbereitung Single Tire Monte simple	Lenkachse Steering axle Essieu vireur	4S/3M
Zwillingsbereitung Twin Tire Monte jumelée	X	Kippkrritisches Fahrzeug Critical Trailer Véhicule critique	
Subsystems	SB	I/O	24N

GIO	Pin1	Pin3	Pin4
1	TAV1	MH	TAV1
2	eTASC	---	eTASC
3	ALS2	ALS2	---
4	---	---	LS1
5	DIAG	DIAG	DIAG
6	24V-O1	---	---
7	---	---	---



ACHSE AXLE ESSIEU	pm (bar)	6.5	pm (bar)	0.6	2.0	---	6.5	pz	TYP TYPE	(mm)	(mm)	(bar)			
												1.0	Pz		
1	1600	0.6	2.0	8000	4.7	0.4	1.4	---	5.7	-	20	65	69	518	4256
2	1600	0.6	2.0	8000	4.7	0.4	1.4	---	5.7	-	20	65	69	518	4256
3	1300	0.4	1.7	6350	3.5	0.3	1.6	---	4.7	-	14 / 16	64	69	498	2891
4	1300	0.4	1.7	6350	3.5	0.3	1.6	---	4.7	-	14 / 16	64	69	498	2891
5	1300	0.4	1.7	6350	3.5	0.3	1.6	---	4.7	1	14	64	69	498	2891

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	7A9E20013L1023961
Vehicle type	5AFT CURTAININSIDE	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature	
Date	2020-05-13 2:12:46 PM		

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

distribution: DOMETT TRAILERS
 7A9E20013L1023961
 SODC: JH200508
 LT400: CJC 742225

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 date 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!
 WABCOPBrake V6.18.07.12 db 31.08.2018

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CURTAININSIDE
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS
 TRISTOP 3+4: T.14/24 [TSE1416HTLD64 ACTUALLY FITTED -
 SEE PAGE 7 FOR PERFORMANCE DATA]
 265/70 R 19,5

axle 1 + 2 + 3 + 4 + 5 : HENDRICKSON, SBW 1937, ATRP0185,

			<u>unladen</u>	<u>laden</u>
total mass	P in kg		7100	35050
axle 1	P1 in kg		1600	8000
axle 2	P2 in kg		1600	8000
axle 3	P3 in kg		1300	6350
axle 4	P4 in kg		1300	6350
axle 5	P5 in kg		1300	6350
wheel base	E in mm	7800 -	8200	
centre of gravity height	h in mm		675	2100

	no. of combined axles	no. of brake chambers per axle line	KDZ	<u>axle 1</u>	<u>axle 2</u>	<u>axle 3</u>	<u>axle 4</u>	<u>axle 5</u>
				manually	manually	manually	manually	manually
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	LBh in mm			69	69	69	69	69
brake factor	[-]			23.49	23.49	23.49	23.49	23.49
dyn. rolling radius	rdyn min in mm			421	421	421	421	421
dyn. rolling radius	rdyn max in mm			421	421	421	421	421
threshold torque	Co Nm			6.0	6.0	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	2.1
chamber pressure(rdyn max)pH at z=22,5%bar	2.1	2.1	2.1	2.1	2.1
chamber press.(servo)pcha at pm6,5bar bar	5.7	5.7	4.7	4.7	4.7
piston force ThA at pm6,5bar N	6578	6578	4485	4485	4485
brake force(rdyn min)T lad. at pm6,5bar N	50826	50826	34530	34530	34530
brake force(rdyn max)T lad. at pm6,5bar N	50826	50826	34530	34530	34530
Brake force incl. 1 % rolling resistance					
proportion %	22.3	22.3	18.5	18.5	18.5

braking rate z laden
 z = sum (TR)/PRmax

0.597 for rdyn min
 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: 971 002 ... 0 WABCO
EBS emergency valve

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

brake cylinder: Meritor 20HSCLD65

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: Meritor 20HSCLD65

axle 3:

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

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 4:

valve 1: 971 002 ... 0 WABCO

EBS emergency valve

valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 5:

valve 1: 971 002 ... 0 WABCO

EBS emergency valve

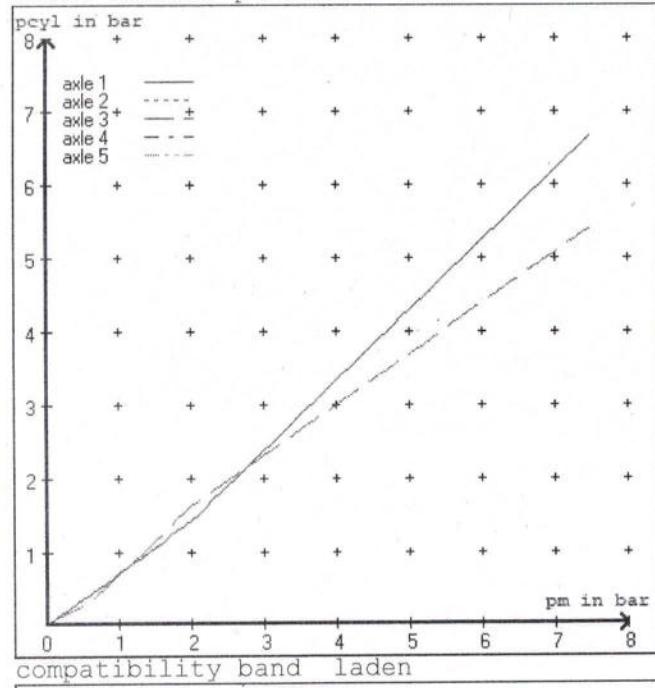
valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

brake cylinder: Meritor 14HSCLD64

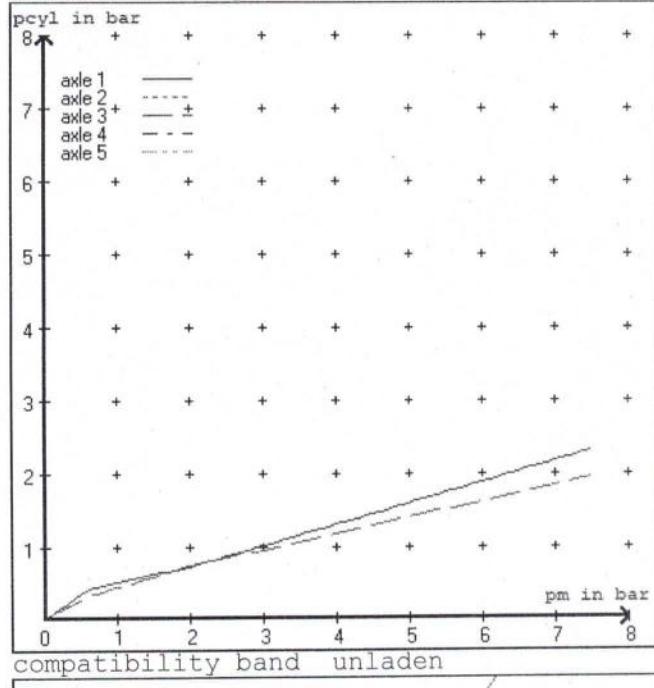
test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 3.5 bar =>	pcha in bar :	2.8	2.8	2.6	2.6	2.6	2.6
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 1.1 bar =>	pcha in bar :	0.8	0.8	0.8	0.8	0.8	0.8

brake chamber pressure laden

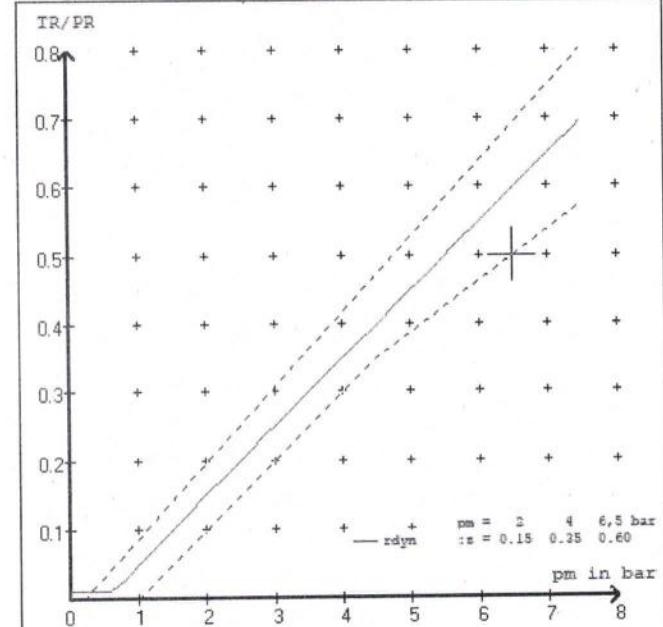


compatibility band laden

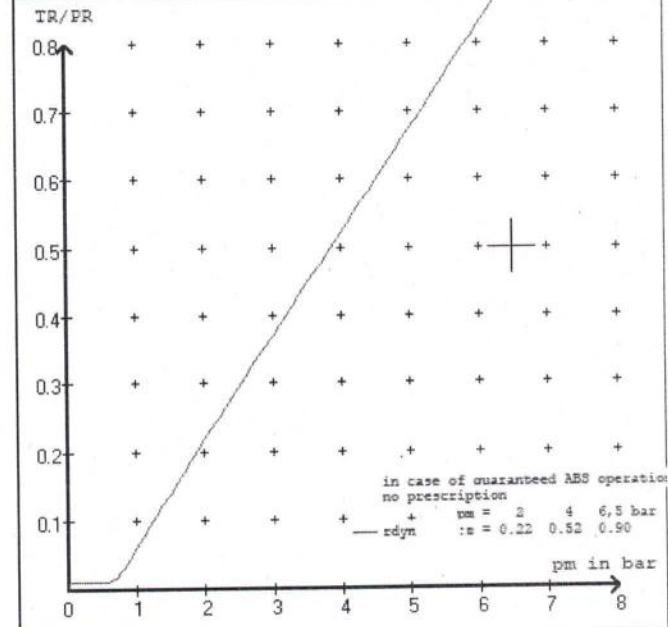
brake chamber pressure unladen



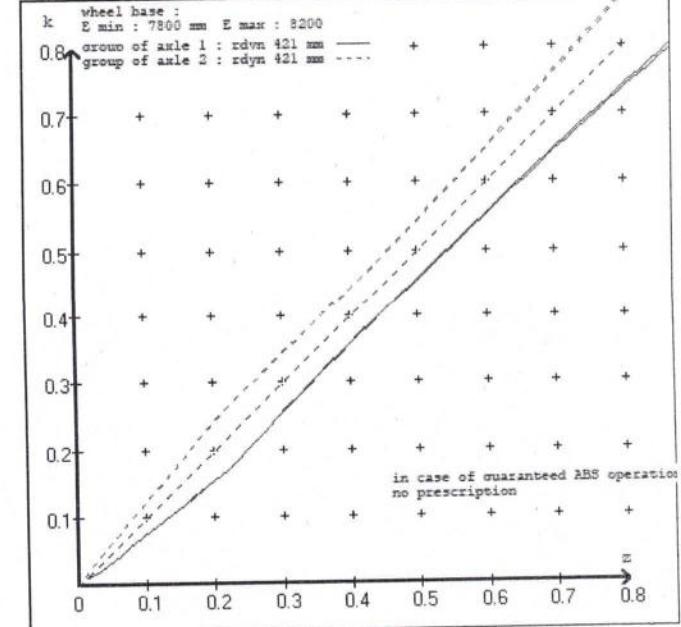
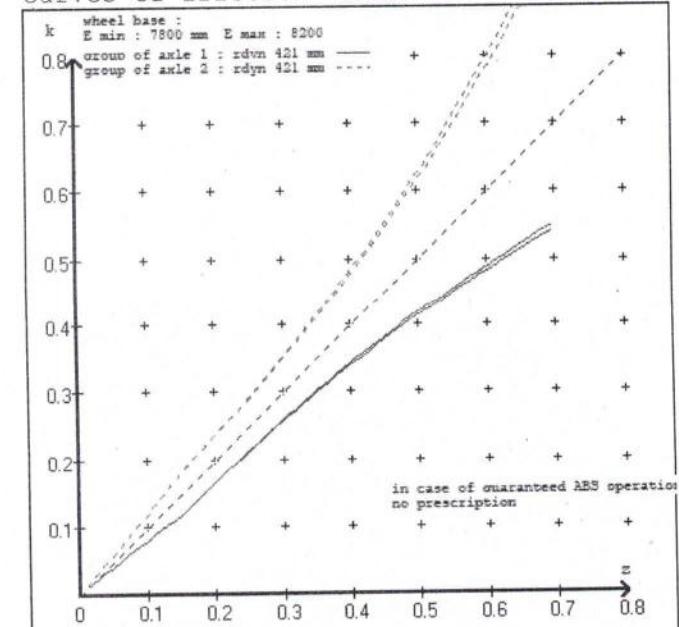
compatibility band unladen



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CURTAININSIDE
 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 :

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 CURTAININSIDE
trailer type :	5-axle-full-trailer
brake calculation no.	: TP 52045A

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

assignment pm / deceleration z:	pm 0.6 bar z = 0.010
(laden condition)	2.0 bar z = 0.150
	6.5 bar z = 0.600

control pressure pm			6,5	control pressure pm			0.6	2.0	6.5
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden			
1	1600	to be entered by the vehicle manufact.	2.0	8000	to be entered by the vehicle manufact.	0.4	1.4	5.7	
2	1600		2.0	8000		0.4	1.4	5.7	
3	1300		1.7	6350		0.3	1.6	4.7	
4	1300		1.7	6350		0.3	1.6	4.7	
5	1300		1.7	6350		0.3	1.6	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 load pcyl	axle 2 axle load pcyl	axle 3 axle load pcyl	axle 4 axle load pcyl	axle 5 axle load pcyl
1600 2.0	1600 2.0	1300 1.7	1300 1.7	1300 1.7
2100 2.3	2100 2.3	1800 2.0	1800 2.0	1800 2.0
2600 2.6	2600 2.6	2300 2.3	2300 2.3	2300 2.3
3100 2.9	3100 2.9	2800 2.6	2800 2.6	2800 2.6
3600 3.2	3600 3.2	3300 2.9	3300 2.9	3300 2.9
4100 3.4	4100 3.4	3800 3.2	3800 3.2	3800 3.2
4600 3.7	4600 3.7	4300 3.5	4300 3.5	4300 3.5
5100 4.0	5100 4.0	4800 3.8	4800 3.8	4800 3.8
8000 5.7	8000 5.7	6350 4.7	6350 4.7	6350 4.7

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

axle 1 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : ATRP0185	date : 02.03.2017
axle 2 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : ATRP0185	date : 02.03.2017
axle 3 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : ATRP0185	date : 02.03.2017
axle 4 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : ATRP0185	date : 02.03.2017
axle 5 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : ATRP0185	date : 02.03.2017

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 = 23.7 % Fe
axle 2 (rdyn 421 mm)	T = 23.7 % Fe
axle 3 (rdyn 421 mm)	T = 18.6 % Fe
axle 4 (rdyn 421 mm)	T = 18.6 % Fe
axle 5 (rdyn 421 mm)	T = 18.6 % Fe

calculated actuator stroke in mm

(item 4.3.1.1 of appendix 2 to annex 11)

axle 1 (sp = 58 mm)	s = 48 mm
axle 2 (sp = 58 mm)	s = 48 mm
axle 3 (sp = 56 mm)	s = 48 mm
axle 4 (sp = 56 mm)	s = 48 mm
axle 5 (sp = 56 mm)	s = 48 mm

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

axle1	ThA = 6578 N
axle2	ThA = 6578 N
axle3	ThA = 4485 N
axle4	ThA = 4485 N
axle5	ThA = 4485 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 = 40650 N
axle 2 (rdyn 421 mm)	T = 40650 N
axle 3 (rdyn 421 mm)	T = 27637 N
axle 4 (rdyn 421 mm)	T = 27637 N
axle 5 (rdyn 421 mm)	T = 27637 N

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

braking rate of the vehicle
(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) >= 0,4 and
>= 0,6*E (0.36)

axle 1 (rdyn 421 mm)	T = 40650 N
axle 2 (rdyn 421 mm)	T = 40650 N
axle 3 (rdyn 421 mm)	T = 27637 N
axle 4 (rdyn 421 mm)	T = 27637 N
axle 5 (rdyn 421 mm)	T = 27637 N

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

braking rate of the vehicle
(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) >= 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		T.14/16	T.14/16
lever length	lBh in mm	69	69
stat. tyre radius	rstat max in mm	401	401
at a stroke of	s in mm	30	30
min. force of spring brake	TFZ in N	6160	6160
sp.brake chamber no Meritor.....		4	4
release pressure	pLs in bar	4.5	4.5

calculation:

ratio until road		4.0466	4.0466
iFb = lBh*Eta*C*rBt/(rBn*rstat)			
for rstat in mm		401	401
brake force of spring br. Tf in N		49151	49151
Tf = (TFZ*KDZ-2*Co/lBh)*iFb			
braking rate	zf laden	0.296	
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

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

$$\text{min Ef} = 5945 \text{ mm} \quad \text{for } E = 7800 \text{ mm}$$

$$\text{=====}$$

$$\text{min Ef} = 6221 \text{ mm} \quad \text{for } E = 8200 \text{ mm}$$

$$\text{=====}$$

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 = 2100 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)

axle manufacturer
type of brake
type of axle

axle 1 + 2 + 3 + 4 + 5
HENDRICKSON
SBW 1937
SBW 1937
ATRP0185

test report of characteristic value

adm. stat. axle load
tested axle load
max. adm. tyre radius
adm. cam. torque (6,5 bar)
lining area per brake
no. of brake cylinder
brakefactor (SB) Bf
brakefactor (PB) Bf
threshold torque (Co,dec)

Pstat	in kg	9000
Pe	in kg	10200
Rezul	in mm	999
Czul	in Nm	640
AB	in cm ²	292
-	-	2
-	-	23.49
-	-	23.49
Mo	in Nm	6

date
brake lining
cam torque
brake force
stroke
tested tyre radius
tested lever length
threshold torque (Co,e)

02.03.2017		
WABCO	230	
Ce	in Nm	638
TeIII	in daN	4649
seIII	in mm	48
Re	in mm	520
le	in mm	69
	in Nm	5

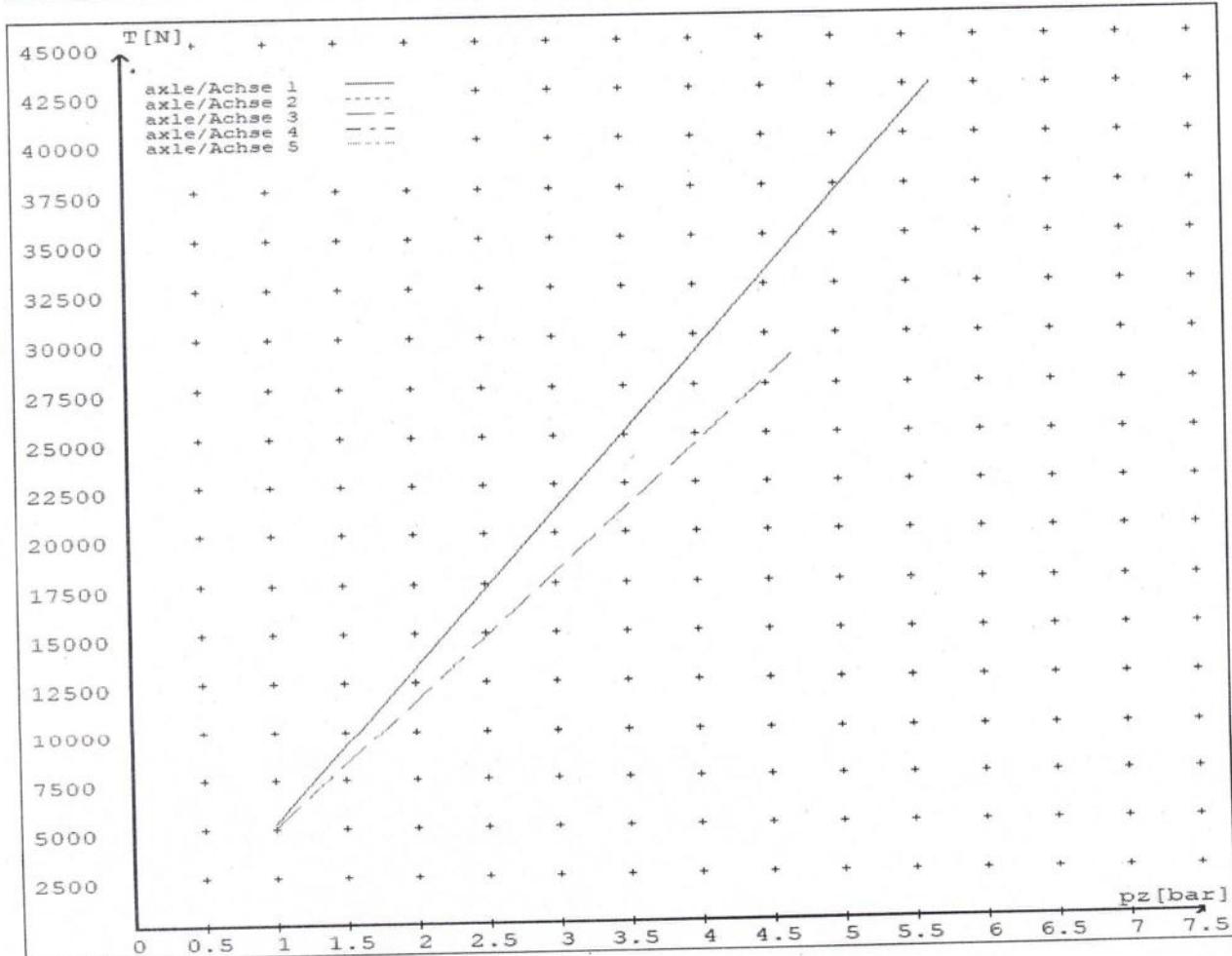
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5184	
	5.7	42568	
axle 2	1.0	5184	
	5.7	42568	
axle 3	1.0		4984
	4.7		28920
axle 4	1.0		4984
	4.7		28920
axle 5	1.0		4984
	4.7		28920

VIN - no.:

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



reference values for z = 0.5

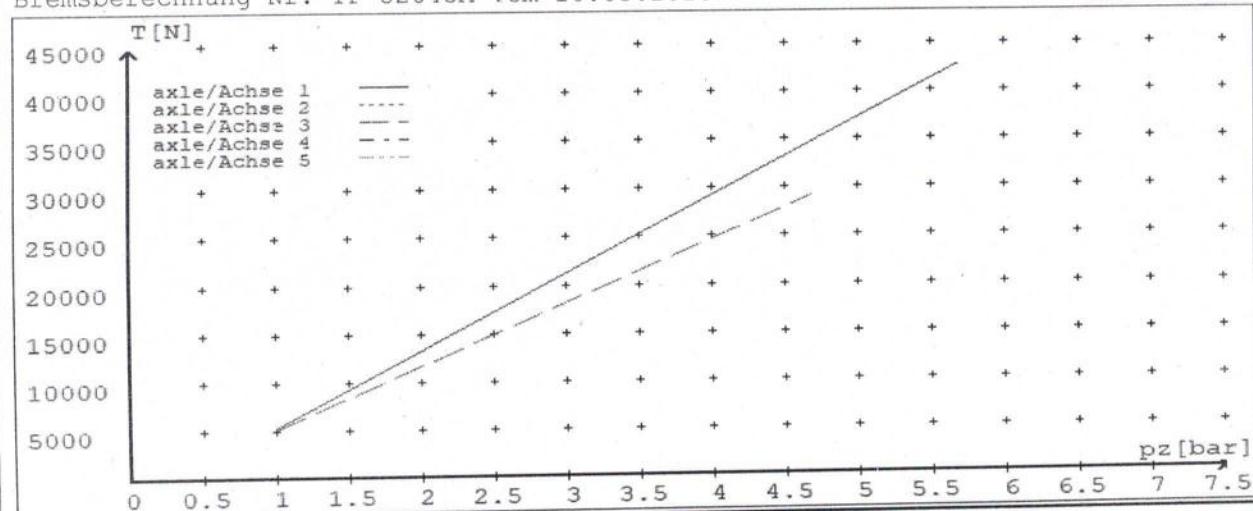
Angabe der Referenzwerte für z = 0.5

brake calculation no: TP 52045A date 10.03.2020

Bremsberechnung Nr: TP 52045A vom 10.03.2020

for max rdyn: 421 mm

für max rdyn: 421 mm



	Axe(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	20./	20./	T.14/24	T.14/24	14./
Maximum stroke s _{max} =mm maximaler Hub s _{max} =mm	65	65	64	64	64
Lever length =mm Hebellänge =mm	69.08	69.08	69.08	69.08	69.08



NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-5
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE

CLIENT

MANUFACTURER: DOMETT TRAILERS

ADDRESS: TAURIKURA DRIVE, TAURANGA 3173

FLEET: BOOTH'S TRANSPORT

VEHICLE DETAILS

VEHICLE TYPE: SAFT CURTAINSIDE CERT #: JH200508

YEAR: 2020 CALCULATION #: TP52045

MAKE: DOMETT REGO: N/A

MODEL: E2001 PH LT400 #:

CHASSIS #: 1961 ORDER #: 7215

VIN #: 7A9E20013L1023961

GVM: t 33 PRIME MOVER: NORTH AMERICAN

LOAD CONFIGURATION: MIXED FREIGHT

GROUP RATINGS: t FRONT REAR
16 19

WHEEL BASE: m 8.18

UNLADEN COG (m)	MAX HEIGHT (m)	HEIGHT DECK (m)
0.675	4.3	1.09

COG: m 2.008

FRONT	REAR	TOTAL
3.2	3.9	7.1

TYRE SIZE: 265 70 R19.5 265 70 R19.5

ROLLING CIRCUMFERENCE: mm 2645 2645

AXLE SPACING: m 1.31 2.51

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	HENDRICKSON	HND-PAN 19 DISC	ATRP0185
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	WABCO 230	BRAKE FACTOR:	23.49
SENSED AXLES:	2 + 4		
SERIAL NUMBERS:	1 2 3 4 5	N/A N/A N/A N/A N/A	

CHAMBER AND VALVING DETAILS

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
BRAND:			
SIZE:	20HSCLD	1416HTLD	14HSCLD
STROKE: mm	65	64	64
TEST REPORT #:	BC 0041.0 Jul '07	BC0143.0	BZ 122.1 Sep '00
SPRINGBRAKE FORCE: kN	N/A	6.16	N/A
HOLDOFF PRESSURE: Bar	N/A	4.5	N/A
FOUNDATION BRAKE:	WABCO PAN19	WABCO PAN19	WABCO PAN19
LEVER LENGTH: mm	69	69	69
BRAKE VALVES:	MAKE:	PART NUMBER:	PM PRESS. kPa
ECU PART #:	WABCO	480 102 08. 0 (MV)	60 kPa
3RD MODULATOR #:	WABCO	480 207 202 0 (12V)	60 kPa
ANTI-COMPOUNDING:	YES	ELEX:	N/A
SPRING BRAKE RELAY:	WABCO_PREV	971 002 900 0	
YARD RELEASE VALVE:	WABCO-PREV	971 002 900 0	
INLINE RELAY FITTED:	N/A	N/A	

ECU DIRECTION: FRONT REAR **FRONT FRICTION: μ**
SMARTBOARD/OPTILINK: SMARTBOARD OPTI-LINK Page 2

SUSPENSION

	FRONT	REAR
SUSPENSION TYPE:	PNEUMATIC	ELECTRONIC
MAKE:	HENDRICKSON_AIR	HENDRICKSON_AIR
MODEL:	HENDRICKSON_INTRAX	HENDRICKSON_INTRAX
BELLOW SIZE:	HND SHOCKLESS	HND SHOCKLESS
HEIGHT CONTROL VALVE:	464 008 011 0	441 050 100 0
OTHER VALVES:	N/A	N/A
RIDE HEIGHT mm :	255	255
HANGER HEIGHT mm :	200	200
PEDESTAL HEIGHT mm :	40	40
LIFTAXLE:		N/A
TIPPING DUMP SWITCH:		N/A
LIFTAXLE VALVE:		N/A

AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2	
	FRONT	REAR
BRAKE TANK SIZE: L	46	46 + 25
AUXILLARY 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:	1324	330
NORMAL LEVEL:	1273	255
LOWER LEVEL:	1229	195

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:

195

195

370

NOTES AND SPECIAL CONDITIONS

CERTIFY NEW TRAILER

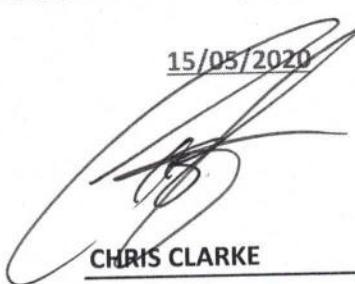
I UNDERSTAND AND DECLARE THAT I AM THE CERTIFIER IDENTIFIED BELOW AND HOLD A CURRENT VALID APPOINTMENT. I CERTIFY THAT AT THE TIME OF INSPECTION THE ABOVE MENTIONED VEHICLE COMPONENT DESIGN AND THIS CERTIFICATION COMPLIES IN ALL RESPECTS WITH THE LAND TRANSPORT RULE VEHICLE STANDARDS COMPLIANCE 2002 AND MY DEED OF APPOINTMENT. TO THE BEST OF MY KNOWLEDGE THE INFORMATION CONTAINED IN THIS CERTIFICATE IS TRUE AND CORRECT.

NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015/5, SCHEDULE 5.

DATE:

15/05/2020

SIGNED:



CHRIS CLARKE

CJC

CERTIFIER NAME & ID:

SDOC BY:

JOHN HIRST

JEH

PHONE (BUS):

09-980-7300

FAX:

POSTAL ADDRESS:

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

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.

EXCERPT 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 a 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

(p.p.).....
(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.

(p.p.)
J E Hirsh
(JEH HVEK)
(09 980 7300)



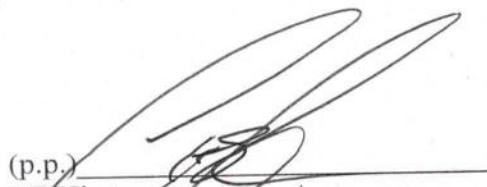
NOTICE TO VEHICLE OPERATOR**WABCO Park Release Emergency Valve
(PREV)**

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.



(p.p.)
J E Hirst
(JEH-HVEK)
(09 980 7300)