

# Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation  
 Heavy vehicle specialist inspector and inspecting organisation

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

Vehicle registration (optional) \_\_\_\_\_ VIN/chassis number **7A9E20017J1023698**

Make **DOMETT** Component being certified:  Chassis  Load anchorage

Model (optional) \_\_\_\_\_  Log bolsters  Towing connection  Brakes

Certification category **HVEK**  SRT  PSV stability  PSV rollover

Description of work

**CERTIFY TO SCHEDULE 5 OF LTR 32015/4**  
**RSS ON: TWIN TYRES / SUPER SINGLES** **SIZE = 265 70 R 19.5**

Code/standard/rule certified to **LTR 32015/4** Component load rating(s) **33 Tonnes GVM**

General drawing number(s) **N/A** **(35 Tonnes (Group ratings))**

Supporting documents **BRAKE CODE CERTIFICATE JH180416**  
**BRAKE CALCULATION # TP51615**

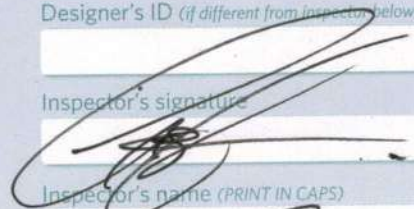
Special conditions (optional) **WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 7 KPH**

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) \_\_\_\_\_

Inspector's signature 

Inspector's name (PRINT IN CAPS) **CHRIS CLARKE** ID number **CJC**

Date **19-Apr-18** Number **627422**

CoF vehicle inspector ID \_\_\_\_\_ CoF vehicle inspector signature \_\_\_\_\_ 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	2017-11-14	Serial number	437005043700E
Serial number (modulator)	000000005068		
Fingerprint Customer EOL / Customer Development / Flash Program	W502664 / 2018-04-19 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

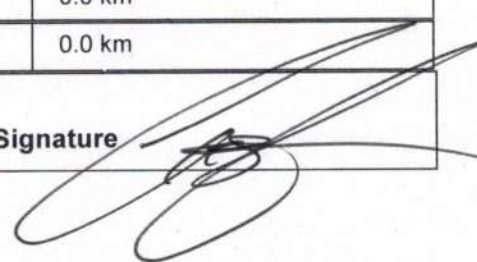
HERSTELLER MANUFACTURER CONSTRUCTEUR		DOMETT TRAILERS		GIO		Pin1		Pin3		Pin4																	
TYP TYPE TYPE		5AFT CURTAINSIDE		1		TAV1		MH		TAV1																	
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS		7A9E20017J1023698		2		eTASC		---		eTASC																	
BREMSEBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.		TP51615A		3		ALS2		ALS2		---																	
POLRADZAHNEZAHL c-d   e-f POLE WHEEL TEETH c-d   e-f DENTS ROUE DENTÉE c-d   e-f		100	100	4		---		---		LS1																	
RSS RSS RSS		Einfachbereifung Single Tire Monte simple		5		DIAG		DIAG		DIAG																	
RSS RSS		Zwillingsbereifung Twin Tire Monte jumetée		6		24V-O1		---		---																	
Subsystems		SB		I/O		24N		---		---																	
ACHSE AXLE ESSIEU		pm (bar)		6.5		pm (bar)		0.6		2.0		---		6.5		TYP TYPE		(mm)		(mm)		(bar)		1.0		Pz	
1		1600	0.8	2.0	8000	5.1	0.4	1.4	---	5.7	-	20	65	69	514	4228											
2		1600	0.8	2.0	8000	5.1	0.4	1.4	---	5.7	-	20	65	69	514	4228											
3		1300	0.7	1.7	6400	4.0	0.3	1.6	---	4.8	-	14 / 16	64	69	495	2937											
4		1300	0.7	1.7	6400	4.0	0.3	1.6	---	4.8	-	14 / 16	64	69	495	2937											
5		1300	0.7	1.7	6400	4.0	0.3	1.6	---	4.8	1	14	64	69	495	2937											

## 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	7A9E20017J1023698
Vehicle type	5AFT CURTAINSIDE	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2018-04-19 2:54:25 p.m.		

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

distribution: DOMETT TRAILERS  
 7A9E20017J1023698  
 SODC: JH180416  
 LT400: CJC 627422

please note!

This brake calculation is made under consideration of  
 -the legal precriptions mentioned above in the version valid  
 at the time of making the program (V6.14.04.20).  
 -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 V6.14.04.20 db 20.04.2016

vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 5AFT CURTAINSIDE  
 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, AT0185,

		unladen	laden
total mass	P in kg	7100	35200
axle 1	P1 in kg	1600	8000
axle 2	P2 in kg	1600	8000
axle 3	P3 in kg	1300	6400
axle 4	P4 in kg	1300	6400
axle 5	P5 in kg	1300	6400
wheel base	E in mm	7800 - 8200	
centre of gravity height	h in mm	1090	2098

	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	lBh in mm	69	69	69	69
brake factor	[-]	23.49	23.49	23.49	23.49
dyn. rolling radius	rdyn min in mm	421	421	421	421
dyn. rolling radius	rdyn max in mm	421	421	421	421
threshold torque	Co Nm	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	4.8	4.8	4.8
piston force	ThA at pm6,5bar N	6578	6578	4586	4586
brake force(rdyn min)T lad. at pm6,5bar N	50826	50826	35307	35307	35307
brake force(rdyn max)T lad. at pm6,5bar N	50826	50826	35307	35307	35307
brake force within 1 % rolling friction					
proportion	%	22.3	22.3	18.5	18.5

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: 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:

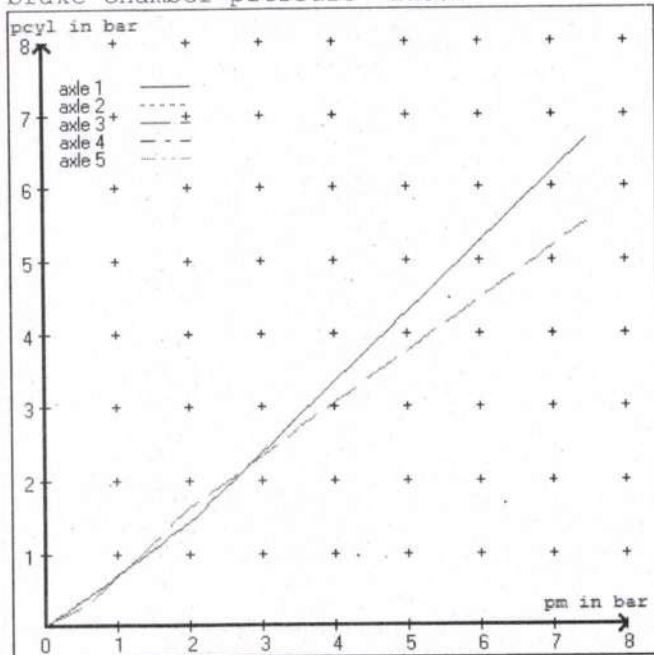
valve 1: 971 002 ... 0 WABCO  
EBS emergency valve

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

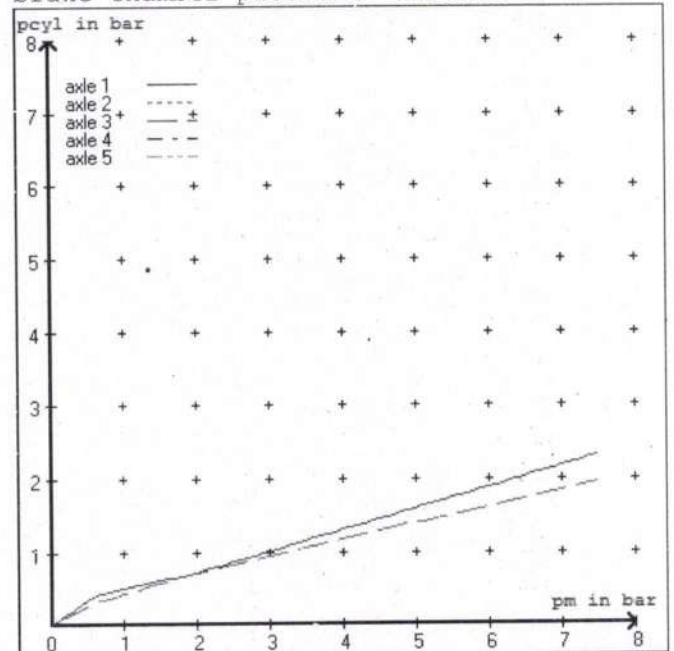
brake cylinder: Meritor 14HSCLD64

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	2.7	2.7	2.7	2.7
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

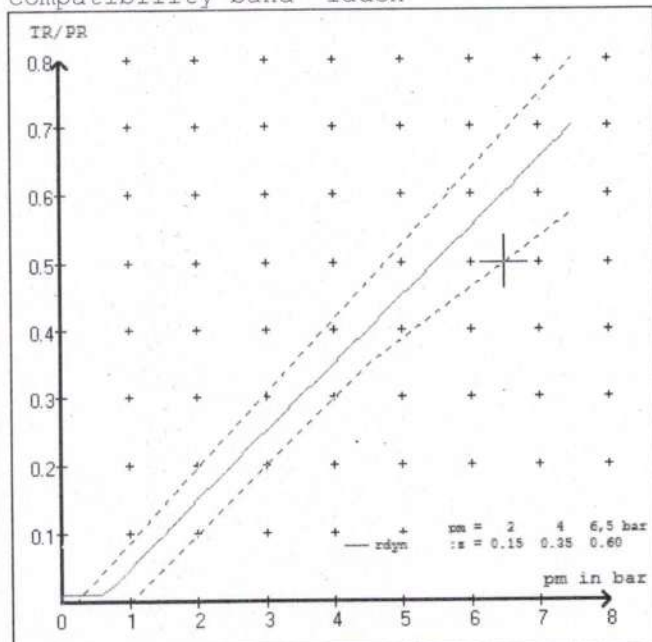
brake chamber pressure laden



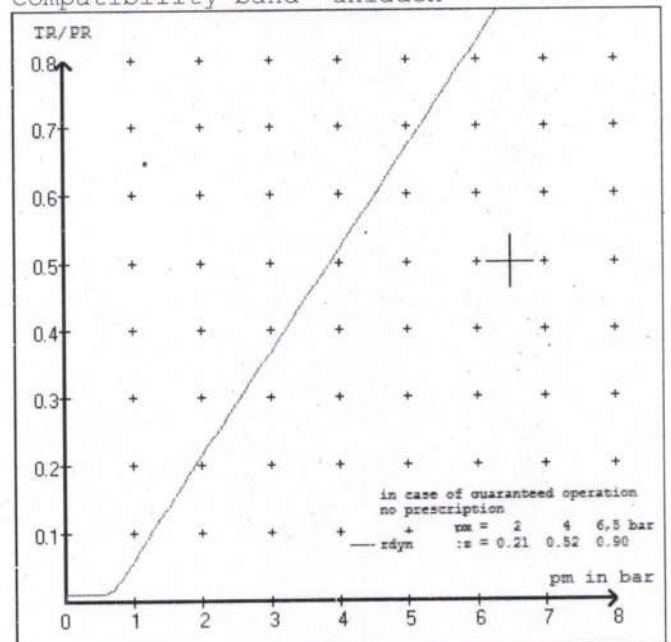
brake chamber pressure unladen



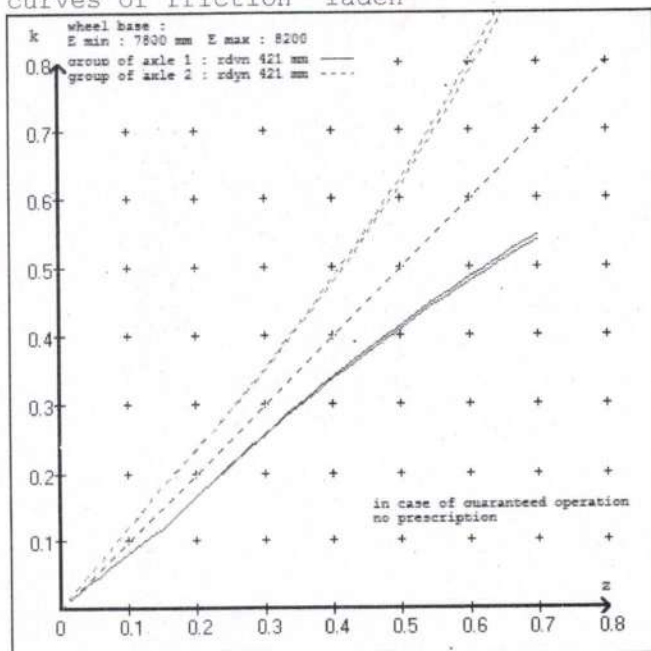
compatibility band laden



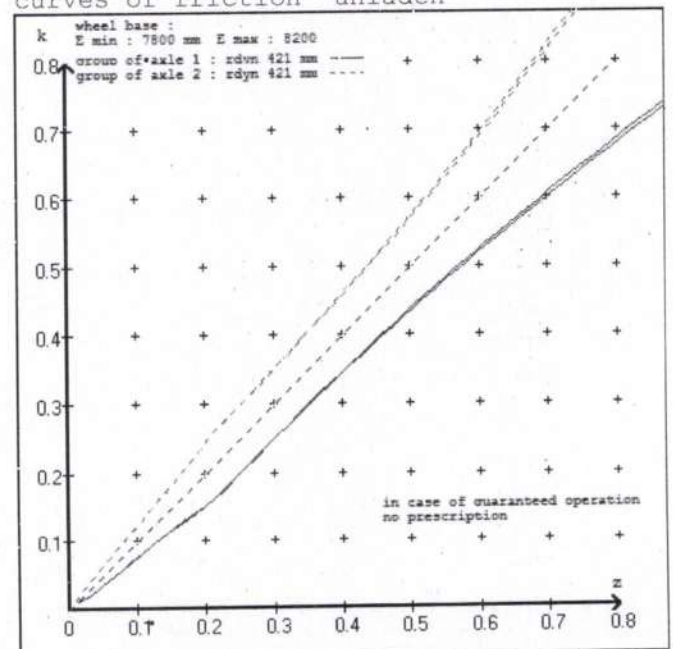
compatibility band unladen



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 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 CURTAINSIDE  
 trailer type : 5-axle-full-trailer  
 brake calculation no. : TP 51615A

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	2.0	8000	to be	0.4	1.4	5.7	
2	1600	entered by the vehicle manufact.	2.0	8000	entered by the vehicle manufact.	0.4	1.4	5.7	
3	1300		1.7	6400		0.3	1.6	4.8	
4	1300		1.7	6400		0.3	1.6	4.8	
5	1300		1.7	6400		0.3	1.6	4.8	

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	pcyl	axle load	pcyl	axle load	pcyl	axle load	pcyl	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	6400	4.8	6400	4.8	6400	4.8

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 : AT0185	date : 02.03.2017
axle 2 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : AT0185	date : 02.03.2017
axle 3 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : AT0185	date : 02.03.2017
axle 4 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : AT0185	date : 02.03.2017
axle 5 : reference axle: HENDRICKSONSBW 1937	brake lining: WABCO 230
test report : AT0185	date : 02.03.2017

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

axle 1 (rdyn 421 mm)	T = 23.6 % Fe
axle 2 (rdyn 421 mm)	T = 23.6 % Fe
axle 3 (rdyn 421 mm)	T = 18.8 % Fe
axle 4 (rdyn 421 mm)	T = 18.8 % Fe
axle 5 (rdyn 421 mm)	T = 18.8 % 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 = 4586 N
axle4	ThA = 4586 N
axle5	ThA = 4586 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 = 28257 N
axle 4 (rdyn 421 mm)	T = 28257 N
axle 5 (rdyn 421 mm)	T = 28257 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 0.48
---	------	----------------------

required braking rate (items 1.5.3 and 1.7.2 to annex 11)	>= 0,4 and >= 0,6*E (0.36)
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axle 1 (rdyn 421 mm)	T = 40650 N
axle 2 (rdyn 421 mm)	T = 40650 N
axle 3 (rdyn 421 mm)	T = 28257 N
axle 4 (rdyn 421 mm)	T = 28257 N
axle 5 (rdyn 421 mm)	T = 28257 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 0.48
---	------	----------------------

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

	<u>axle 3</u>	<u>axle 4</u>
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	6200	6200
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	0.295	
$zf = \text{sum}(Tf) / P + 0,01$		

Test of the frictional connection required by the parking brake

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

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

min Ef = 5922 mm    for E = 7800 mm

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min Ef = 6196 mm    for E = 8200 mm

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- min Ef =                      minimum distance between front axle(s) (trailer) or support (semitraile) 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                      =                      2098 mm    height of center of gravity - laden
- PR                      =                      19200 kg    maximum bogie mass - laden
- P                      =                      35200 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	axle 1 + 2 + 3 + 4 + 5		
type of brake	HENDRICKSON		
type of axle	SBW 1937		
	SBW 1937		
	AT0185		
test report of characteristic value			
adm. stat. axle load	Pstat in kg	9000	
tested axle load	Pe in kg	10200	
max. adm. tyre radius	Rezul in mm	999	
adm. cam. torque (6,5 bar)	Czul in Nm	640	
lining area per brake	AB in cm <sup>2</sup>	292	
no. of brake cylinder	-	2	
brakefactor (SB) Bf	-	23.49	
brakefactor (PB) Bf	-	23.49	
threshold torque (Co,dec)	Mo in Nm	€	
date			
	02.03.2017		
brake lining	WABCO 230		
cam torque	Ce in Nm	638	
brake force	TeIII in daN	4649	
stroke	seIII in mm	48	
tested tyre radius	Re in mm	520	
tested lever length	le in mm	69	
threshold torque (Co,e)	in Nm	5	

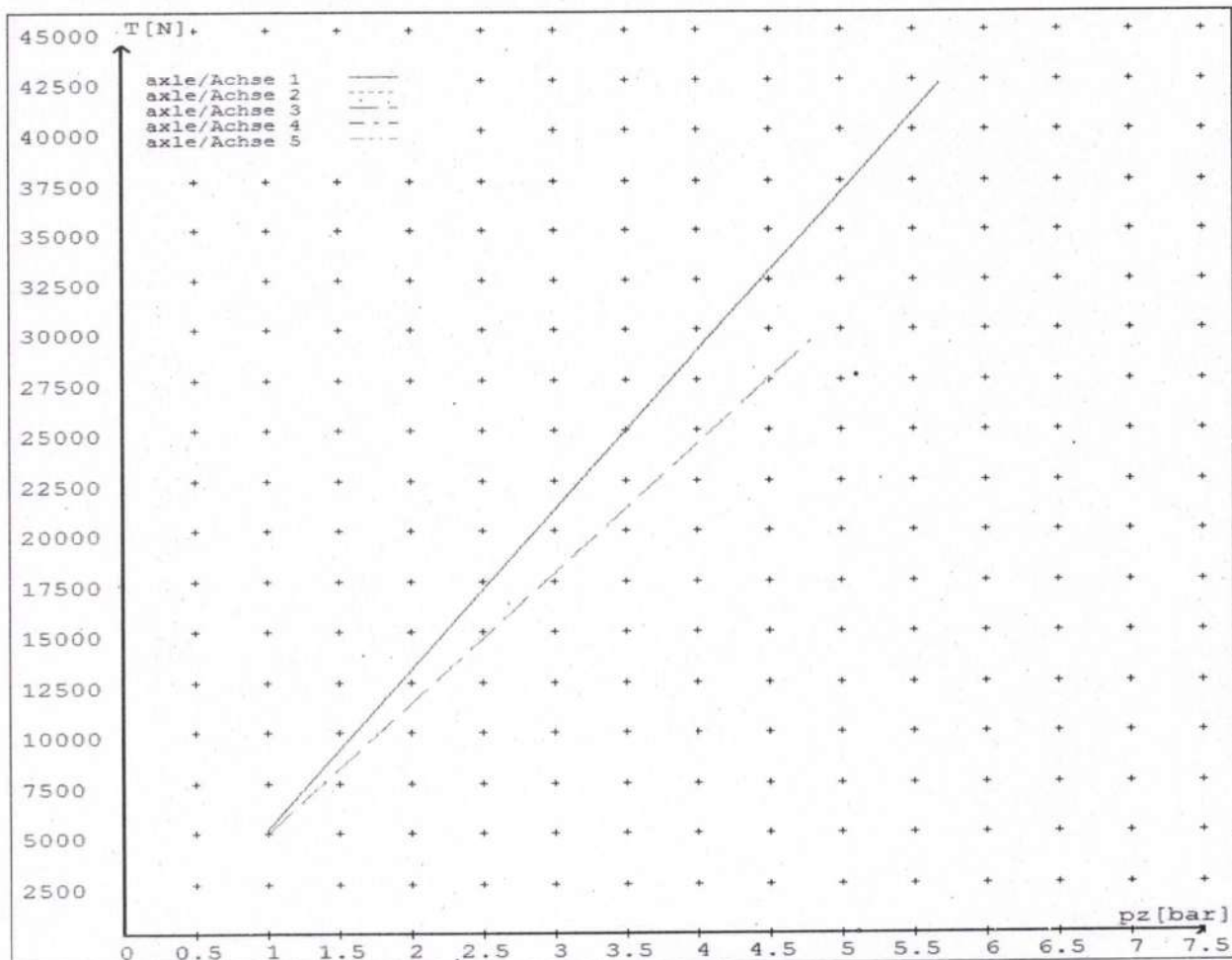
**reference values**

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5150	
	5.7	42285	
axle 2	1.0	5150	
	5.7	42285	
axle 3	1.0		4955
	4.8		29374
axle 4	1.0		4955
	4.8		29374
axle 5	1.0		4955
	4.8		29374

VIN - no.:

	Axle(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  $z = 0.5$

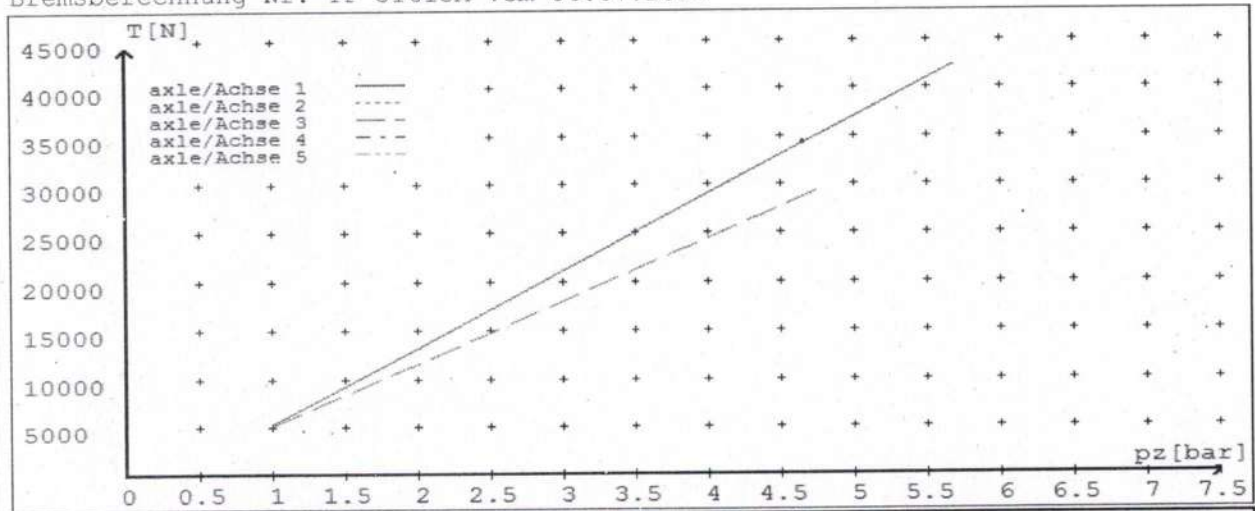
for max rdyn: 421 mm

Angabe der Referenzwerte für  $z = 0.5$

für max rdyn: 421 mm

brake calculation no: TP 51615A date 04.07.2017

Bremsberechnung Nr: TP 51615A vom 04.07.2017



	Axle(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

**HEAVY VEHICLE BRAKE RULE  
32015/4 WORKSHEET  
(PROCEDURE DOCUMENTATION SHEET-PDS)  
&  
CONFIRMATION OF COMPLIANCE**

**CERTIFICATE NO.** JH180416

**CUSTOMER NAME** DOMETT TRAILERS LTD

**CUSTOMER ORDER NO.** 5230                      **DATE RECEIVED** 19-Apr-18

**VEHICLE TYPE** CURTAINSIDE

**VIN/ CHASSIS NO.** 7 A 9 E 2 0 0 1 7 J 1 0 2 3 6 9 8

**BRIEF SPECIFICATION AS CERTIFIED TO SCHEDULE 5**

<b><u>BRAKE VALVES</u></b>	<b><u>MAKE</u></b>	<b><u>TYPE</u></b>
PRIMARY RELAY	WABCO	480 102 080 0
SECONDARY RELAY	WABCO	480 207 202 0
YARD RELEASE VALVE	WABCO	971 002 900 0
PARK BRAKE VALVE	WABCO	971 002 900 0
<b><u>SUSP. VALVES [WABCO]</u></b>	<b><u>FRONT</u></b>	<b><u>REAR</u></b>
CONTROL	441 044 101 0	463 090 500 0
DISTANCE SENSOR	464 008 011 0	441 050 100 0

**OTHER VALVES:**

<b>MAKE:</b> WABCO	<b>TYPE:</b> 461 513 002 0	<b>SETTING:</b> 5.5 Bar
<b>MAKE:</b> WABCO	<b>TYPE:</b> 472 195 052 0	<b>SETTING:</b> M.A. VALVE (12V)
<b>MAKE:</b> WABCO	<b>TYPE:</b> 463 090 500 0	<b>SETTING:</b> eTASC
<b>MAKE:</b> WABCO	<b>TYPE:</b> 446-192-110-0	<b>SETTING:</b> SMARTBOARD

<u>BRAKE CHAMBERS:</u>	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
MAKE	TSE	TSE	TSE
SIZE	20HSCLD65	1416HTLD64	14HSCLD64
MAX STROKE (mm)	65	64	64
SLACK LENGTH (mm)	69	69	69
<u>DRUM TYPE:</u>	N/A	N/A	N/A
		<b>OR</b>	
<u>BRAKE CALIPER:</u>	SBW1937	SBW1937	SBW1937
<u>FRICITION MATERIAL:</u>	<input checked="" type="checkbox"/> OEM	<input type="checkbox"/> AFTERMARKET	

<u>LINING BRAND</u>	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
	WABCO 230	WABCO 230	WABCO 230

**OTHERS:**

<u>TYRES:</u>	FRONT	REAR
	265 70 R 19.5	265 70 R 19.5

**BRAKE CALCULATION #:** TP51615

**COMMENTS:**  
 EBS, SPECIAL CONDITIONS APPLY. SEE INSTRUCTIONS ON LT400 # CJC

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**SALES ORDER #:** SO1132840      **PROCESS TIME:** 1 HOUR

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**TRAILERS EQUIPPED WITH PREV:** THE PARK BRAKE PERFORMANCE **MUST BE**  
 MEASURED BY PULLING THE RED ACTUATION KNOB ON THE PREV VALVE WHEN  
 THE AXLES - EQUIPPED WITH SPRING BRAKES - ARE IN THE BRAKE ROLLERS. THE  
 PARK BRAKE IN THE CAB **MUST NOT** BE APPLIED.

**NOTES:**

**CHAMBERS & PARK BRAKE PERFORMANCE:**

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BRAKE CALCULATION #: TP51615

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PARK BRAKE (z) = 0.295 @ 98302 N FOR 35,200 Kgs GVM

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FRONT FRICTION (μ) = 0.48

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MANOEUVRE ASSIST FOR OFF-HIGHWAY USE.

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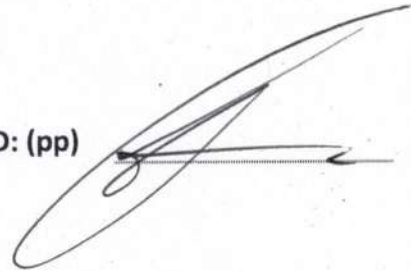
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**CONFORMATION OF COMPLIANCE**

*I CONFIRM THAT THE VEHICLE IDENTIFIED IN PAGES 1 AND 2 OF THIS CONFORMATION OF COMPLIANCE COMPLIES WITH ALL RELEVANT REQUIREMENTS OF THE CURRENT NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015/4, SCHEDULE 5.*

**DATE:** 19-Apr-18

**SIGNED:** (pp)



**NAME & ID:** J HIRST (JEH)

**PHONE (BUS):** 09 980 7300

**FAX (BUS)** 09 980 7306

**POSTAL ADDRESS:**

TRANSPORT SPECIALTIES LTD  
PO BOX 98-971,  
MANUKAU CITY,  
MANUKAU 2241

**POSITION:** BRAKE CERTIFIER HVEK

*I CONFIRM THE BRAKE SYSTEM OF THE VEHICLE IDENTIFIED IN PAGE 1 OF THIS STATEMENT OF COMPLIANCE AS MODIFIED BY MYSELF, CONTINUES TO COMPLY WITH ALL THE RELIVANT REQUIREMENTS OF THE CURRENT NEW ZEALAND HEAVY BRAKE RULE 32015/4 SCHEDULE 5.*

**DATE:**

**SIGNED:**

**NAME:**

**CERTIFIERS ID:**

**POSITION:**

**PHONE (BUS):**

**FAX (BUS):**

**COMMENTS:**

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**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 32015/4.***

***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 32015/4. 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***

(D.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 32015/4, 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 Hirst  
(JEH HVEK)  
(09 980 7300)