

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name <small>(PRINT IN CAPS)</small>	ID
<b>JOHN HIRST</b>	<b>JEH</b>

Vehicle registration <small>(optional)</small>	VIN/chassis number
	<b>7 A 9 E 2 0 0 1 2 K 1 0 2 3 8 6 7</b>

Make <b>DOMETT</b>	Component being certified:	<input type="checkbox"/> Chassis	<input type="checkbox"/> Load anchorage
Model <small>(optional)</small> <b>E2001 PH</b>	<input type="checkbox"/> Log bolsters	<input type="checkbox"/> Towing connection	<input checked="" type="checkbox"/> Brakes
Certification category <b>HVEK</b>	<input type="checkbox"/> SRT	<input type="checkbox"/> PSV stability	<input type="checkbox"/> PSV rollover
	<input type="checkbox"/> Swept path	<input type="checkbox"/> PBS	

Description of work

**CERTIFY TO SCHEDULE 5 OF LTR 32015/5**

**NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.**

**5AFT CURTAINSIDE** **RSS ON TYRE: 265 70 R19.5**

Code/standard/rule certified to <b>LTR 32015/5</b>	Component load rating(s) <b>33 Tonnes GVM</b>
General drawing number(s) <b>N/A</b>	<b>35 Tonnes (Group ratings)</b>

Supporting documents

<b>BRAKE RULE CERTIFICATE</b>	<b>JH190915</b>
<b>BRAKE CALCULATION #</b>	<b>TP51615</b>

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 <small>(if applicable)</small> <b>N/A [UNLESS MODIFIED]</b>	or	Hubodometer reading <small>(whichever comes first)</small>
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

**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) **JOHN HIRST** ID number **JEH**

Date **15-Sep-19** Number **719551**

CoF vehicle inspector ID <small>(if applicable)</small>	CoF vehicle inspector signature <small>(if applicable)</small>	Date

All fields are mandatory unless otherwise stated.

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

distribution: DOMETT TRAILERS  
 7A9E20012K1023867  
 SODC: JH190915  
 LT400: 719551

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 03.11.2017

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	650	2098

	axle 1	axle 2	axle 3	axle 4	axle 5
no. of combined axles	manually 1	manually 1	manually 1	manually 1	manually 1
no. of brake chambers per axle line	KDZ 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	2.2	2.2	2.1	2.1	2.1
chamber pressure(rdyn max)pH at z=22,5%bar	2.2	2.2	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	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	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:

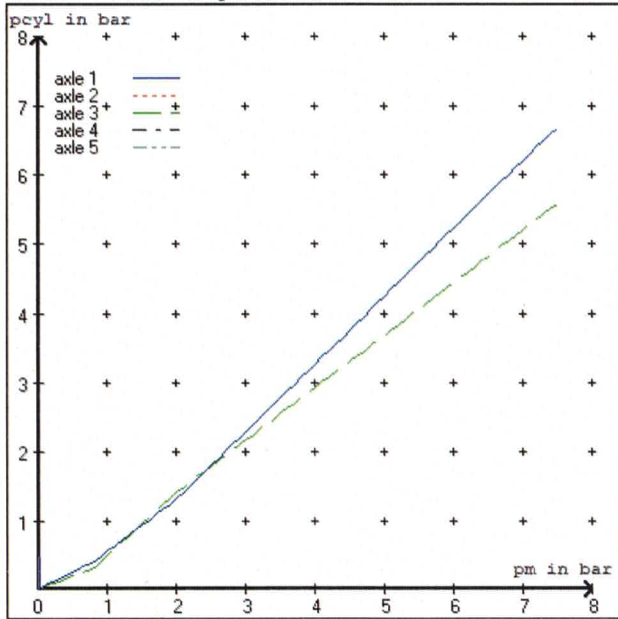
valve 1: 971 002 ... 0 WABCO  
EBS emergency valve

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

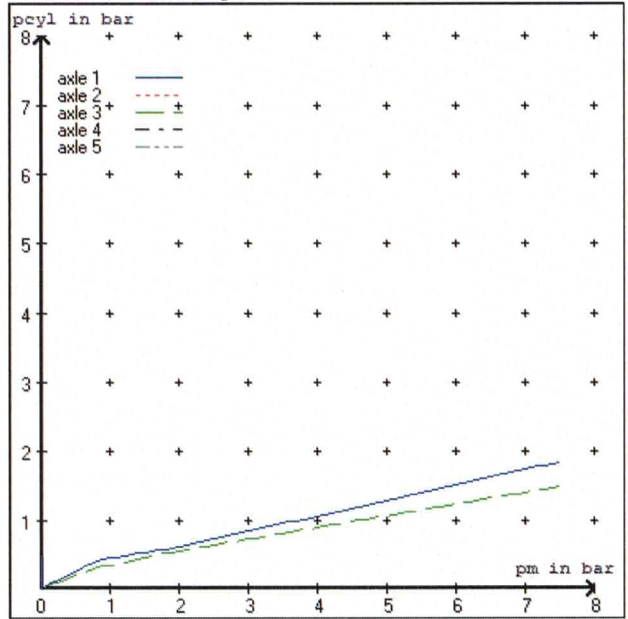
brake cylinder: Meritor 14HSCLD64

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 3.6 bar =>	pcha in bar :	2.9	2.9	2.6	2.6	2.6	2.6
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 1.3 bar =>	pcha in bar :	0.8	0.8	0.8	0.8	0.8	0.8

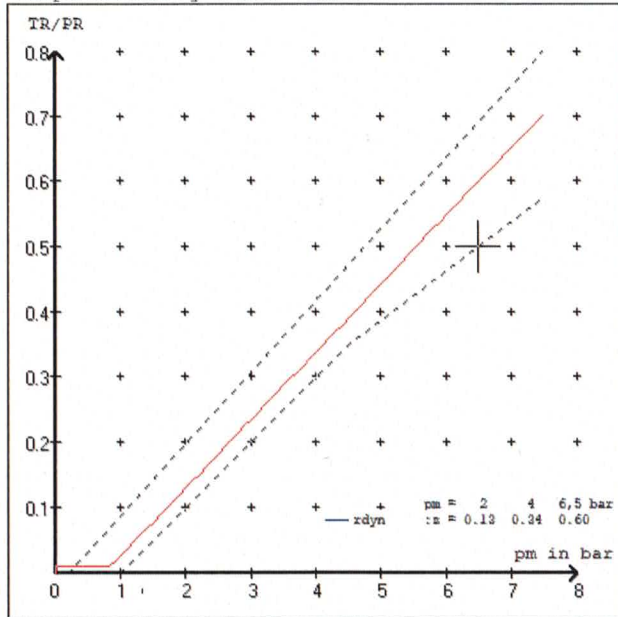
brake chamber pressure laden



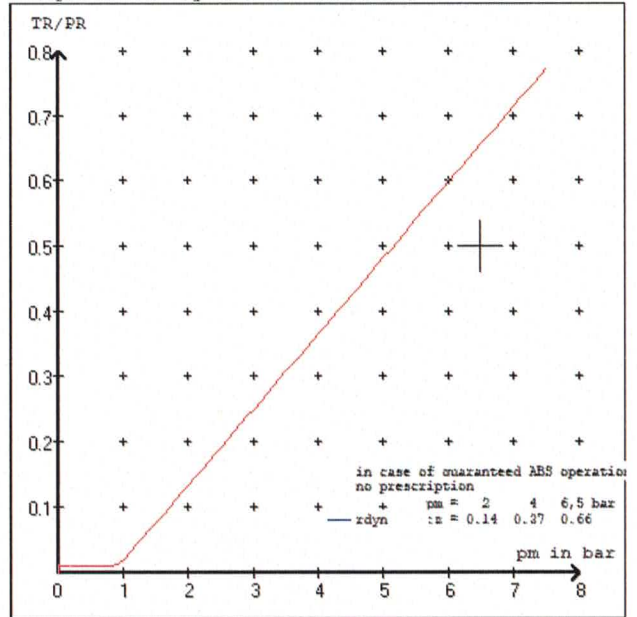
brake chamber pressure unladen



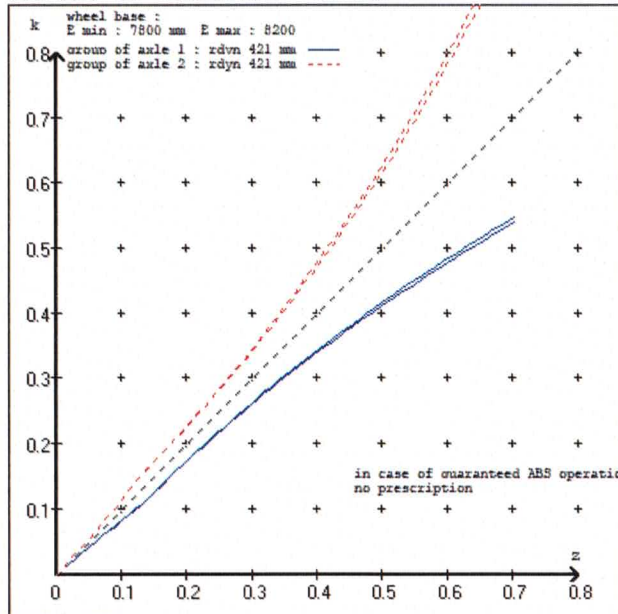
compatibility band laden



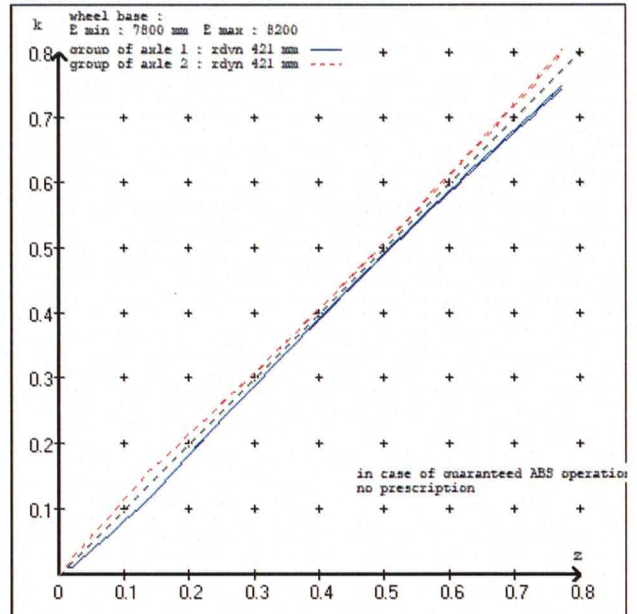
compatibility band unladen



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

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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 0.8 bar z = 0.010  
 (laden condition) 2.0 bar z = 0.134  
 6.5 bar z = 0.600

control pressure pm			6,5	control pressure pm		0.8	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	1.6	8000	to be	0.4	1.3	5.7
2	1600	entered by the vehicle manufact.	1.6	8000	entered by the vehicle manufact.	0.4	1.3	5.7
3	1300		1.3	6400		0.3	1.4	4.8
4	1300		1.3	6400		0.3	1.4	4.8
5	1300		1.3	6400		0.3	1.4	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.

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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	1.6	1600	1.6	1300	1.3	1300	1.3	1300	1.3
2100	1.9	2100	1.9	1800	1.6	1800	1.6	1800	1.6
2600	2.2	2600	2.2	2300	2.0	2300	2.0	2300	2.0
3100	2.6	3100	2.6	2800	2.3	2800	2.3	2800	2.3
3600	2.9	3600	2.9	3300	2.7	3300	2.7	3300	2.7
4100	3.2	4100	3.2	3800	3.0	3800	3.0	3800	3.0
4600	3.5	4600	3.5	4300	3.4	4300	3.4	4300	3.4
5100	3.8	5100	3.8	4800	3.7	4800	3.7	4800	3.7
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 = 24.0 % Fe
axle 2	(rdyn 421 mm)	T = 24.0 % Fe
axle 3	(rdyn 421 mm)	T = 18.5 % Fe
axle 4	(rdyn 421 mm)	T = 18.5 % Fe
axle 5	(rdyn 421 mm)	T = 18.5 % 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)
braking rate of the vehicle	trailer (E)	residual
(item 4.3.2 to appendix 2 to annex 11)	0.60	(hot)braking
		0.48

required braking rate	>= 0,4 and
(items 1.5.3 and 1.7.2 to annex 11)	>= 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 = 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)
braking rate of the vehicle	trailer (E)	residual
(item 4.3.2 to appendix 2 to annex 11)	0.60	(hot)braking
		0.48

required braking rate	>= 0,4 and
(items 1.5.3 and 1.7.2 to annex 11)	>= 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	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	4.5	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	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

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

$$\text{min Ef} = 5922 \text{ mm for } E = 7800 \text{ mm}$$

$$\text{min Ef} = 6196 \text{ mm for } E = 8200 \text{ mm}$$

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 =	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 6
date	
brake lining	02.03.2017
cam torque	WABCO 230
brake force	Ce in Nm 638
stroke	TeIII in daN 4649
tested tyre radius	seIII in mm 48
tested lever length	Re in mm 520
threshold torque (Co,e)	le in mm 69
	in Nm 5

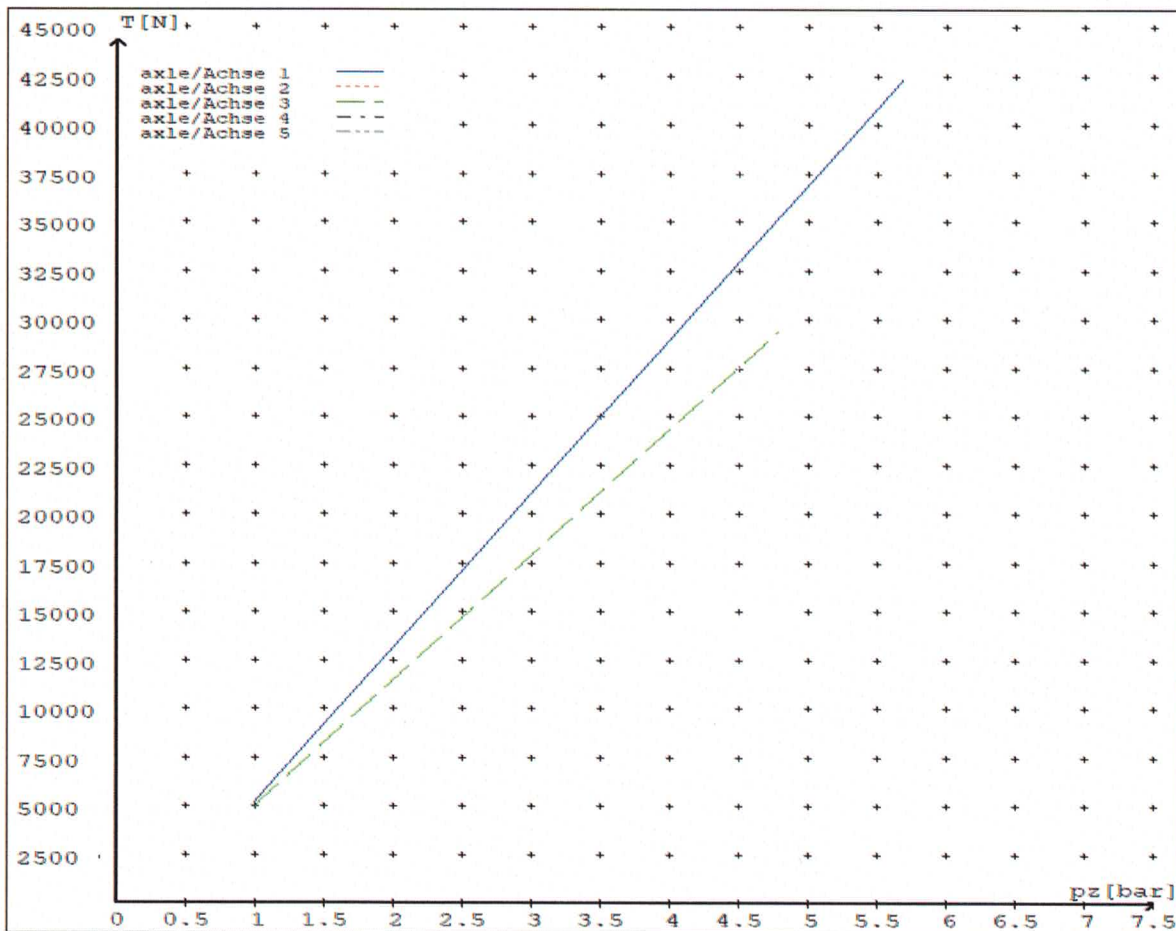
**reference values**

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	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  $z = 0.5$

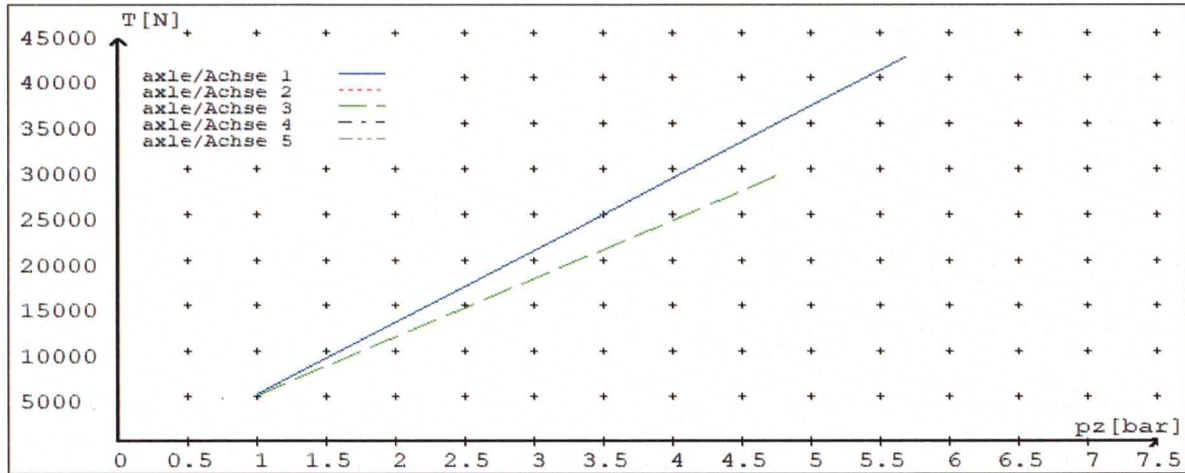
for max rdyn: 421 mm

Angabe der Referenzwerte für  $z = 0.5$

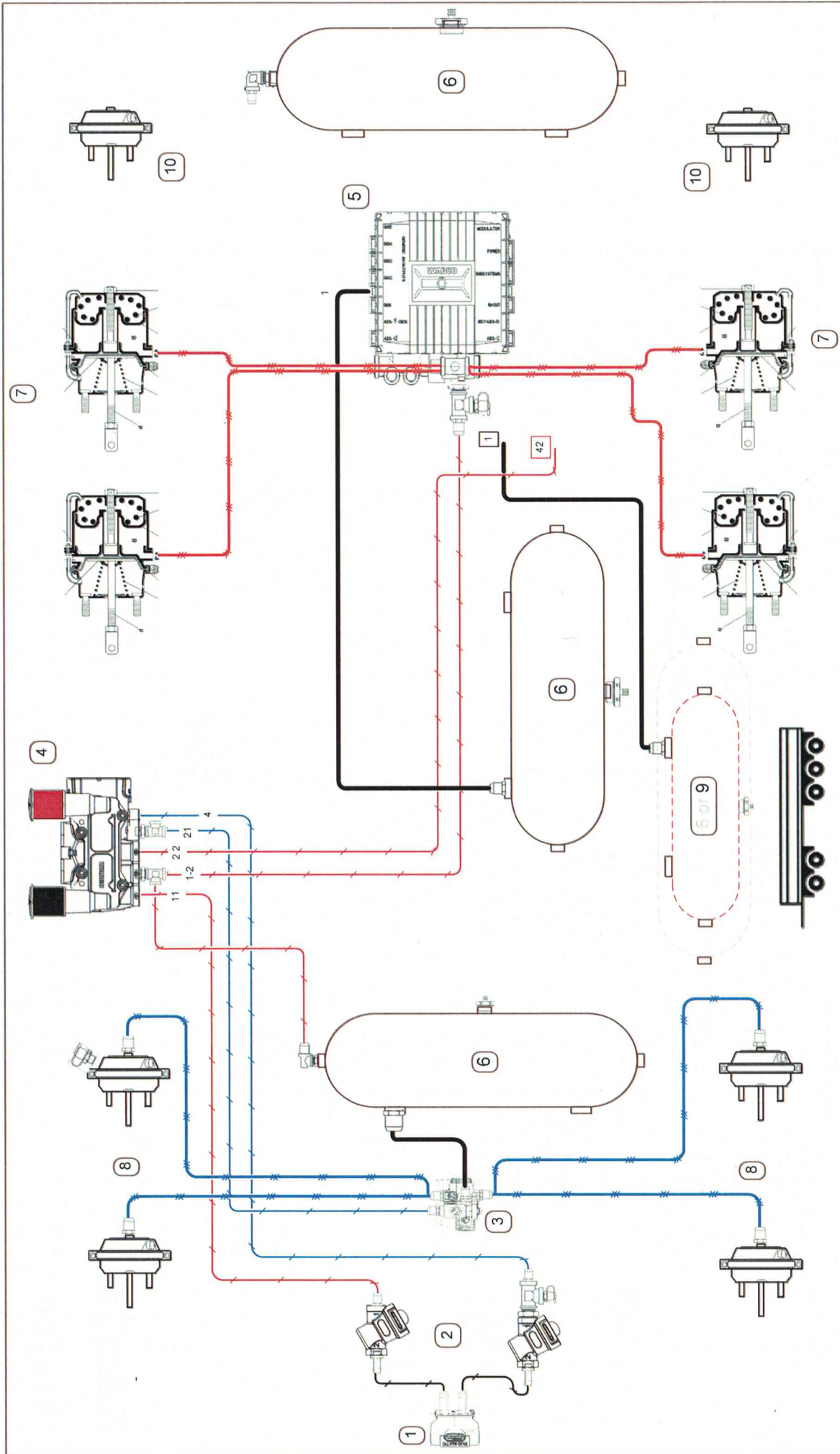
für max rdyn: 421 mm

brake calculation no: TP 51615A date 21.06.2019

Bremsberechnung Nr: TP 51615A vom 21.06.2019



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



ITEM		QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	PIPING LEGEND:
1	1	452 804 001 0	Wabco Duo-Matic coupling	9	1		24.5 Ltr Air Tank	3/8" Rubber	---
2	2	432 500 020 0	Wabco control line filter	10	2	14HSCLD64	TSE Service brake chamber	3/8" Rubber	---
3	1	480 207 202 0	Wabco EBS 3" modulator	11				1/2" Rubber	---
4	1	971 002 900 0	Wabco PREV	12				15mm Nylon	---
5	1	480 102 080 0	Wabco TEBS - E (premium) 46 Ltr air tank					12mm Nylon	---
6	3		TSE Spring brake chamber					8mm Nylon	---
7	4	1416HTLD64	TSE Service brake chamber					8mm Nylon	---
8	4	20HSCLD65	TSE Service brake chamber					8mm Nylon	---

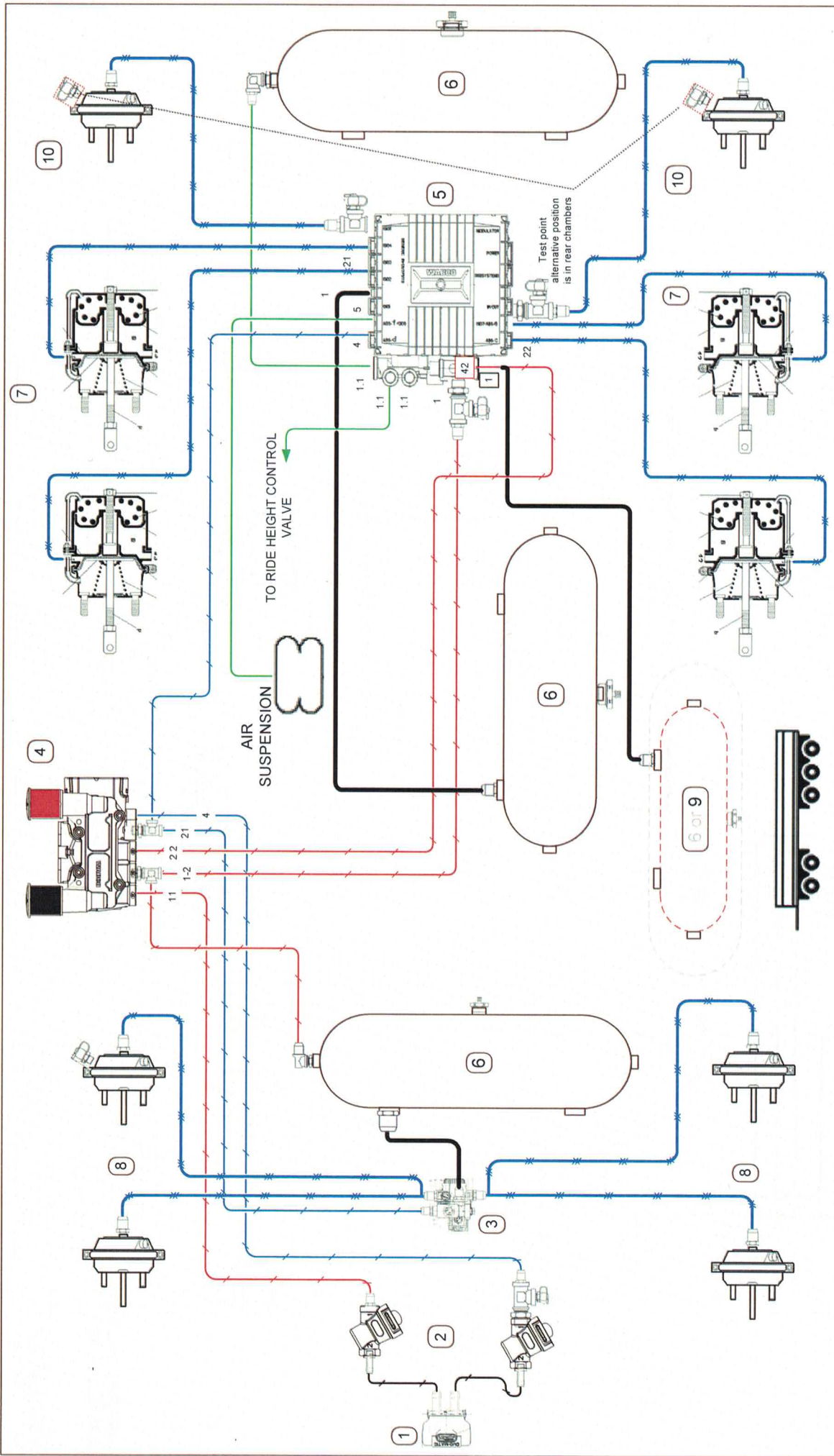
**DOMETT TRAILERS**

**5 AXLE FULL TRAILER**

**GOUGH Transpecs**

**WABCO**  
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SIZE A4  
SCALE  
SPEC REFERENCE 1867  
MODEL NUMBER D0M5AXFULL/D/EBS  
PARK LINES  
REV 1

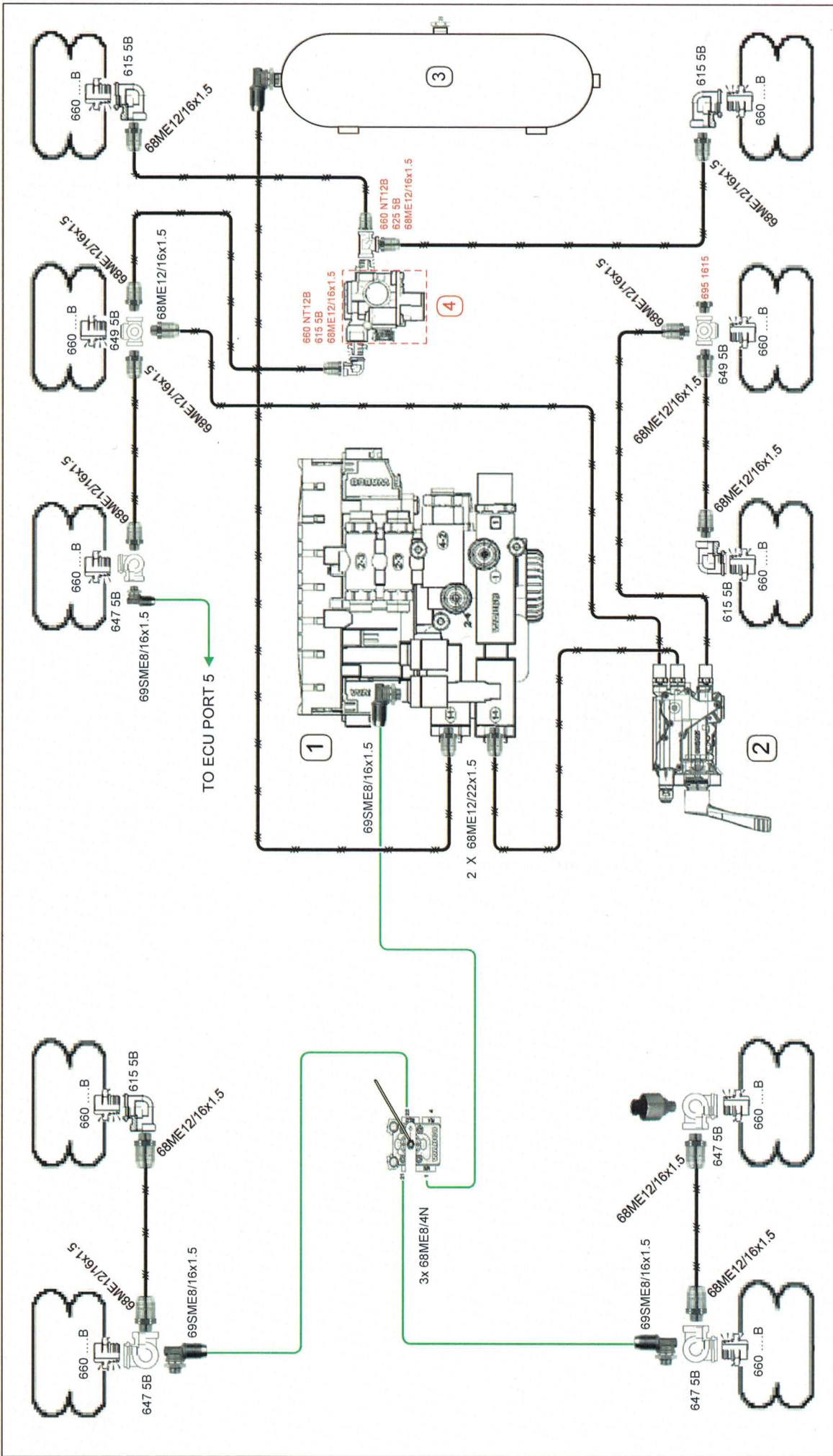


ITEM		QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	PIPING LEGEND:
1	452 804 001 0	1	Wabco Duo-Matic coupling	9	1	24 5 Ltr Air Tank	3/8" Rubber	---	3/8" Rubber
2	432 500 020 0	2	Wabco control line filter	10	2	14HSCLD64	TSE Service brake chamber	---	3/8" Rubber
3	480 207 202 0	1	Wabco EBS 3 <sup>rd</sup> modulator	11				---	1/2" Rubber
4	971 002 900 0	1	Wabco PREV	12				---	15mm Nylon
5	480 102 080 0	1	Wabco TEBS - E (premium)					---	12mm Nylon
6	46 Ltr Air tank	3						---	8mm Nylon
7	24 5 Ltr Air Tank	1						---	8mm Nylon
8	TSE Spring brake chamber	4						---	8mm Nylon
9	TSE Service brake chamber	4						---	8mm Nylon

**DOMETT TRAILERS**

**5 AXLE FULL TRAILER**

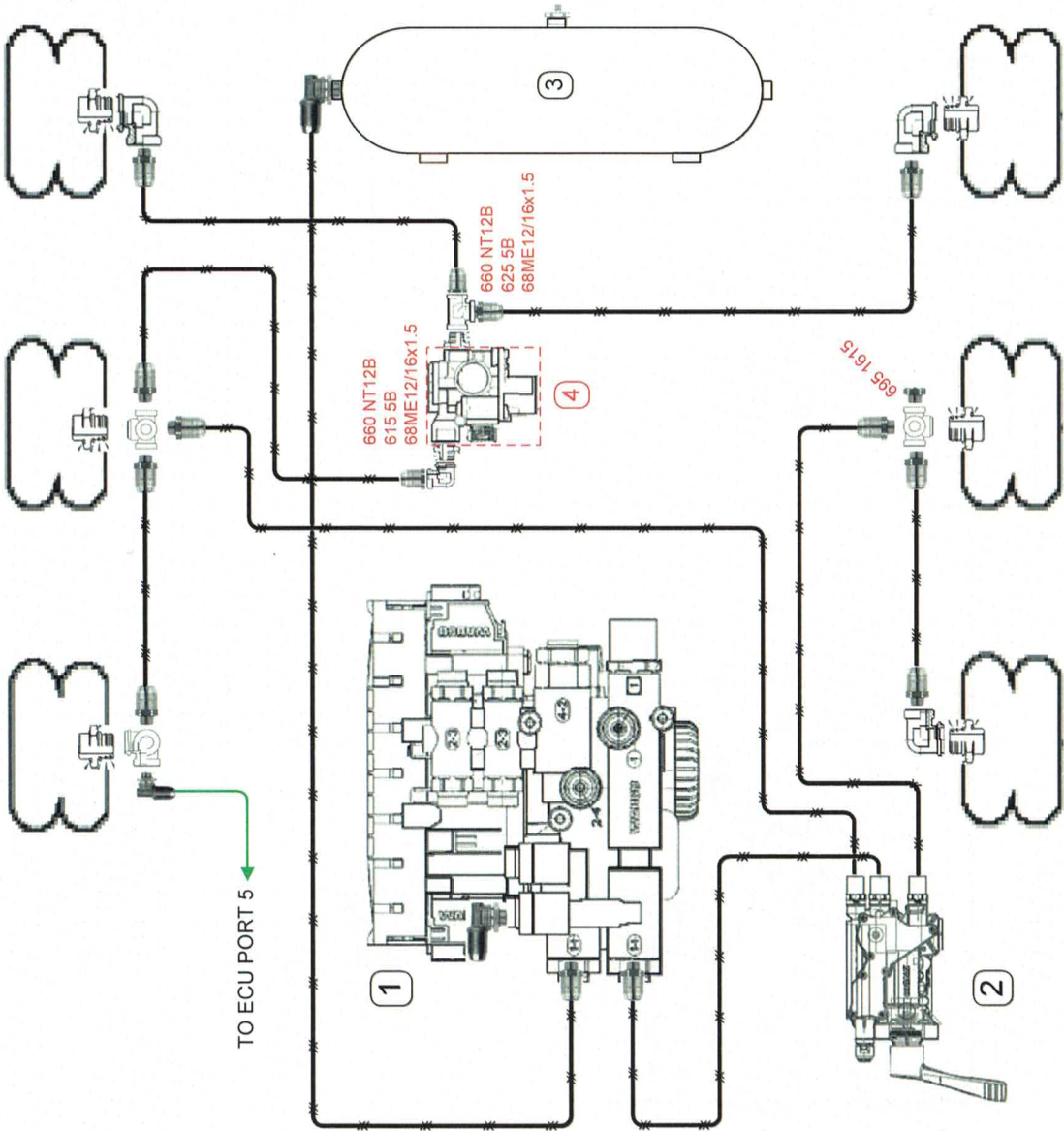
SIZE	A4	SPEC REFERENCE	1867	MODEL NUMBER	DOM5AXFULL/D/EBS	REV	1
SCALE		SERVICE LINES					



ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	PIPING LEGEND:
1	1	480 102 080 0	WABCO TEBE E (IN BRAKE KIT)					3/8" Rubber
2	1	463 090 500 0	e-TASC VALVE					3/8" Rubber
3	1		AIR TANK					12mm Nylon
4	1	472 195 052 0	TAG AXLE VALVE					15mm Nylon
								12mm Nylon
								8mm Nylon
								8mm Nylon
								8mm Nylon

<p><b>GOUGH Transpex</b></p> <p><b>WABCO</b> Copyright Transpex 2010 All rights reserved</p>		<p>SYSTEM</p> <p>ECAS/MAAOK</p>		<p>DATE</p> <p>12.05.17</p>
<p>eTASC 1 Point control with Manoeuvre Assist 'Add-on' kit</p>			<p>PAGE NO:</p> <p>1/3</p>	<p>J HIRST</p> <p>E &amp; OE</p>



- ECAS/MAAOK**
- 1x 472 192 052 0
  - 1x 449 445 030 0
  - 2x 660 NT12B
  - 1x 615 5B
  - 1x 625 5B
  - 2x 68ME12/16x1.5
  - 1x 695 1615

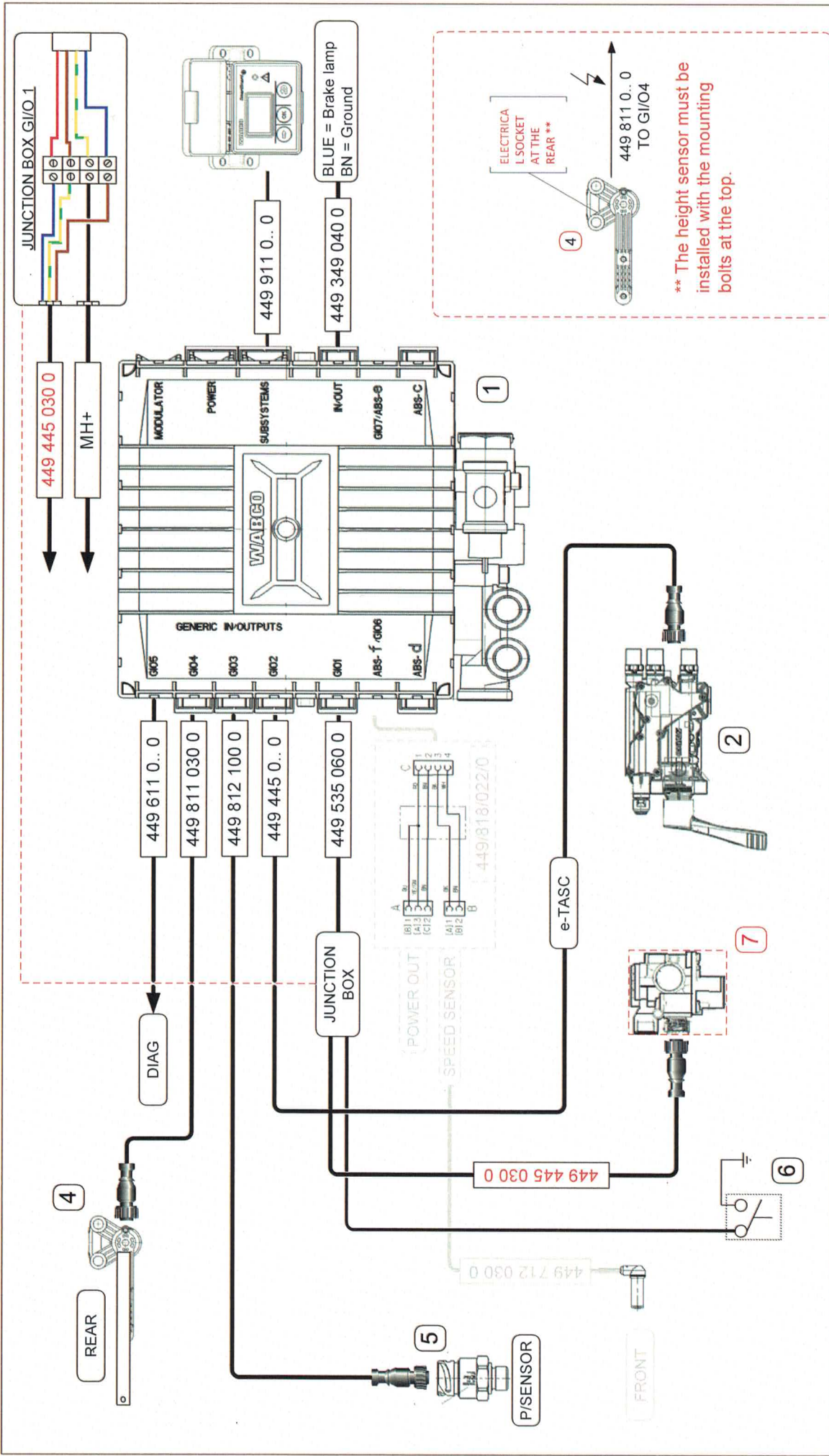
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	PIPING LEGEND:
1	1	480 102 080 0	WABCO TEBS E (IN BRAKE KIT)					3/8" Rubber
2	1	463 090 500 0	e-TASC VALVE					3/8" Rubber
3	1		AIR TANK					12mm Nylon
4	1	472 195 052 0	TAG AXLE VALVE					15mm Nylon
								12mm Nylon
								8mm Nylon
								8mm Nylon
								8mm Nylon

<p><b>eTASC 1 Point control with Manoeuvre Assist 'Add-on' kit</b></p>		<p>DATE 12.05.17</p>
<p>ITEM</p>	<p>SYSTEM</p>	<p>ASSYKIT NUMBER ECAS/MAAOK</p>
<p>PAGE NO.</p>	<p>2/3</p>	<p>J HIRST <b>E &amp; OE</b></p>

<p><b>GOUGH Transpects</b></p>	<p><b>WABCO</b> Copyright Transpects 2010 All rights reserved</p>
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ELECTRICAL SOCKET AT THE REAR \*\*

449 811 0..0 TO GI/O4

**\*\* The height sensor must be installed with the mounting bolts at the top.**

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	480 102 080 0	WABCO TEBE E (PREMIUM)
2	1	463 090 500 0	eTASC
4	1	463 050 100 0	ECAS HEIGHT SENSOR
5	1	441 044 101 0	AIR BAG PRESSURE SENSOR
6	1		MOMENTARY SWITCH
7	1	472 195 052 0	TAG AXLE VALVE

eTASC 1 Point control with Manoeuvre Assist 'Add-on' kit		
DRAWING NUMBER	ASSYKIT NUMBER	DATE
ECAS/MAOK		12.05.17
PAGE NO.	J HIRST	E & OE
33		

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THE INSTALLATION POSITION OF THE FITTINGS- IN THE AIR BAG IS FOR DEMONSTRATION PURPOSES ONLY. THE TRAILER MANUFACTURER CAN ALTER THE POSITION TO SUIT TRAILER / SUSPENSION DESIGN.



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

**CLIENT**

<b>MANUFACTURER:</b>	<b>DOMETT TRAILERS</b>
<b>ADDRESS:</b>	<b>TAURIKURA DRIVE, TAURANGA 3173</b>
<b>FLEET:</b>	<b>BOOTH'S TRANSPORT</b>

**VEHICLE DETAILS**

<b>VEHICLE TYPE:</b>	5AFT CURTAINSIDE	<b>CERT #:</b>	JH190915
<b>YEAR:</b>	2019	<b>CALCULATION #:</b>	TP51615
<b>MAKE:</b>	DOMETT	<b>REGO:</b>	N/A
<b>MODEL:</b>	E2001 PH	<b>LT400 #:</b>	719551
<b>CHASSIS #:</b>	1867	<b>ORDER NUMBER:</b>	6615
<b>VIN #:</b>	7A9E20012K1023867		
<b>GVM: TONNES</b>	33	<b>PRIME MOVER:</b>	EBS / EUROPEAN
<b>LOAD CONFIGURATION:</b>	MIXED FREIGHT		
<b>GROUP RATINGS: TONNES</b>	FRONT	REAR	
	16	19	
<b>WHEEL BASE: METRES</b>	8.15		
	UNLADEN COG	MAX HEIGHT	HEIGHT DECK
	0.675	4.3	1.09
<b>COG: METRES</b>	2.008		
	FRONT	REAR	TOTAL
<b>TARE: TONNES</b>	3.2	3.9	7.1
	FRONT	REAR	
<b>TYRE SIZE:</b>	265 70 R19.5	265 70 R19.5	
<b>ROLLING CIRCUMFERENCE: MM</b>	2645	2645	
<b>AXLE SPACING: METRES</b>	1.31	2.51	

## BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	HENDRICKSON	HND-PAN 19 DISC	ATRP0185
POLE WHEEL FRONT:	100	POLE WHEEL REAR:	100
LINING MATERIAL:	WABCO 230	BRAKE FACTOR:	23.49
SENSED AXLES:	2 + 4		
SERIAL NUMBERS:	1	N/A	
	2	N/A	
	3	N/A	
	4	N/A	
	5	N/A	

## CHAMBER AND VALVING DETAILS

CHAMBERS:	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
BRAND:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
SIZE:	20HSCLD	1416HTLD	14HSCLD
STROKE: <i>MILLIMETRES</i>	65	64	64
TEST REPORT #:	BC 0041.0 Jul '07	BC0143.0	BZ 122.1 Sep '00
SPRINGBRAKE FORCE: <i>kN</i>	N/A	6.16	N/A
HOLDOFF PRESSURE: <i>kPa</i>	N/A	4.5	N/A
FOUNDATION BRAKE:	WABCO PAN19	WABCO PAN19	WABCO PAN19
LEVER LENGTH: <i>MILLIMETRES</i>	69	69	69
BRAKE VALVES:	MAKE:	PART NUMBER:	PM PRESS. <i>kPa</i>
ECU PART #:	WABCO	480 102 08. 0 (MV)	80 kPa
3RD MODULATOR #:	WABCO	480 207 202 0 (12V)	80 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:	<input checked="" type="checkbox"/> FRONT <input type="checkbox"/> REAR	FRONT FRICTION: $\mu$	0.48
SMARTBOARD/OPTILINK:	<input type="checkbox"/> SMARTBOARD <input type="checkbox"/> OPTI-LINK		

## 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	463 090 500 0 (eTASC)
RIDE HEIGHT <small>MM</small> :	255	255
HANGER HEIGHT <small>MM</small> :	200	200
PEDESTAL HEIGHT <small>MM</small> :	40	40
LIFTAXLE:		YES 5TH AXLE
TIPPING DUMP SWITCH:		N/A
LIFTAXLE VALVE:		472 195 052 0

## AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2	
	FRONT	REAR
BRAKE TANK SIZE: <small>L</small>	46	71
AUXILLARY TANK SIZE: <small>L</small>	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:		305
NORMAL LEVEL:		255
LOWER LEVEL:		200

**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**

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: 15/09/2019

SIGNED: 

CERTIFIER NAME & ID: JOHN HIRST JEH

SODC ENDORSED BY: N/A N/A

PHONE (BUS): 09-980-7300

FAX:

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

**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.

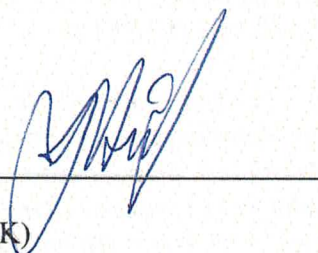
Failure to connect to such supply invalidates Brake Rule compliance.

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 Hirst  
(JEH HVEK)  
(09 980 7300)





**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 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)**