

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS) WILLIAM SINCLAIR	ID SWI
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Vehicle registration (optional)	VIN/chassis number 7A9E31018K1023911
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Make DOMETT	Component being certified: <input type="checkbox"/> Chassis <input type="checkbox"/> Load anchorage
Model (optional) E3101	<input type="checkbox"/> Log bolsters <input type="checkbox"/> Towing connection <input checked="" type="checkbox"/> Brakes
Certification category HVEK	<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 SCHED. 5 OF LTR 32015/5: NZ HEAVY VEHICLE BRAKE SPECIFICATION.
CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOCOL.

5AFT DROP SIDE TIPPER	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	JH200213
BRAKE CALCULATION #	TP52034

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)
		<input type="text"/>

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)
W. SINCLAIR

ID number
SWI

Date
20-Feb-20

Number
716621

CoF vehicle inspector ID (if applicable)	CoF vehicle inspector signature (if applicable)	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
 7A9E31018K1023911
 SODC: JH200213
 LT400: SWI

please note!

This brake calculation is made under consideration of
 -the legal prescriptions mentioned above in the version valid at the time of making the program (V6.18.07.12).
 -the functional characteristics of our products as well as the data of the brake out of the test approvals of the axle manufacturers, and
 -the other vehicle data included in the brake calculation.
 Please check whether these data correspond to the actual vehicle data.
 Our conditions of delivery apply (particularly section 9.0).
 In any case we commend to do a braking harmonisation!
 WABCOBrake V6.18.07.12 db 31.08.2018

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT DROP SIDE TIPPER
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS E
 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 : SAF, SBW 1937, TDB 0749 ECE,

		<u>unladen</u>	<u>laden</u>
total mass	P in kg	7000	35050
axle 1	P1 in kg	1700	8000
axle 2	P2 in kg	1700	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	6400 - 6600	
centre of gravity height	h in mm	670	2100

	<u>axle 1</u>	<u>axle 2</u>	<u>axle 3</u>	<u>axle 4</u>	<u>axle 5</u>
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	1Bh in mm	69	69	69	69
brake factor	[-]	23.03	23.03	23.03	23.03
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	2.3	2.3	2.1	2.1	2.1
chamber pressure(rdyn max)pH at z=22,5%bar	2.3	2.3	2.1	2.1	2.1
chamber press.(servo)pcha at pm6,5bar bar	6.3	6.3	4.4	4.4	4.4
piston force ThA at pm6,5bar N	7318	7318	4185	4185	4185
brake force(rdyn min)T lad. at pm6,5bar N	55433	55433	31594	31594	31594
brake force(rdyn max)T lad. at pm6,5bar N	55433	55433	31594	31594	31594
Brake force incl. 1 % rolling resistance proportion %	22.3	22.3	18.5	18.5	18.5

braking rate z laden 0.598 for rdyn min
 z = sum (TR)/PRmax 0.598 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:

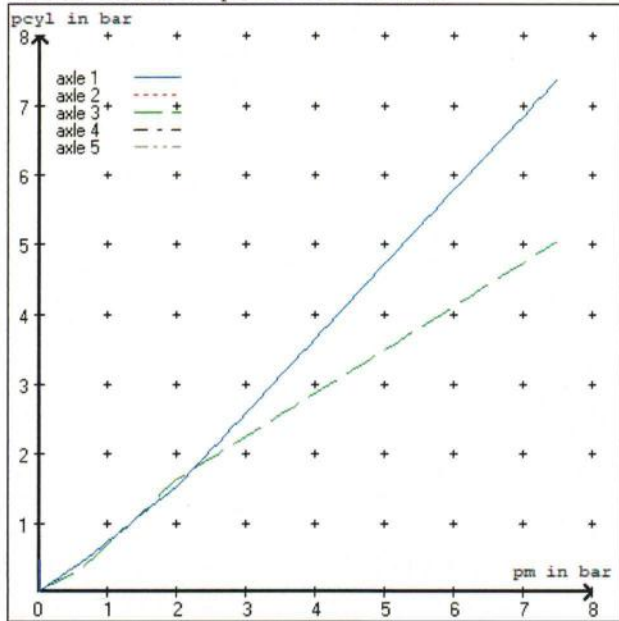
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

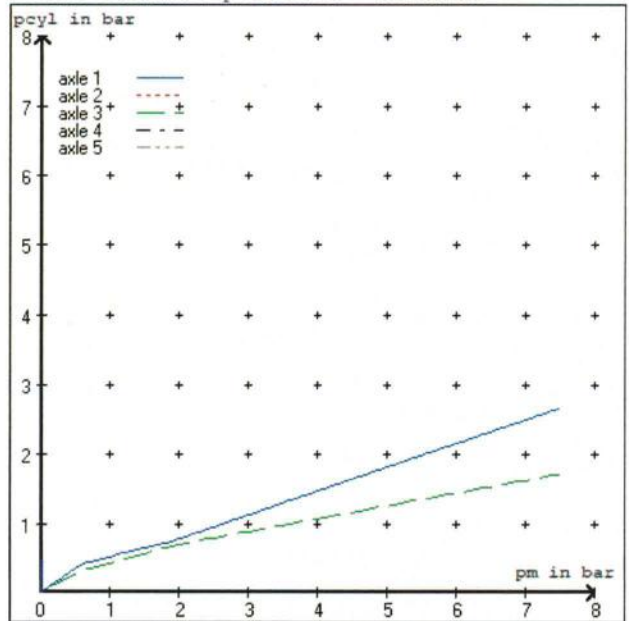
brake cylinder: Meritor 14HSCLD64

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 3.5 bar =>	pcha in bar :	3.1	3.1	2.5	2.5	2.5	2.5
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 1.1 bar =>	pcha in bar :	0.8	0.8	0.8	0.8	0.8	0.8

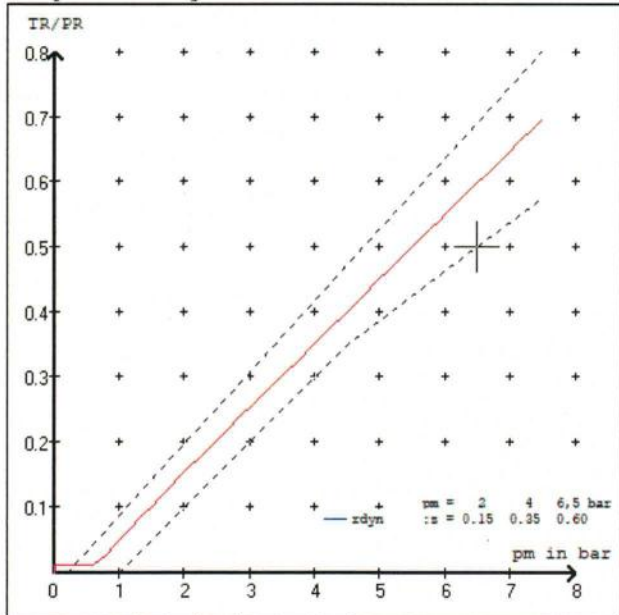
brake chamber pressure laden



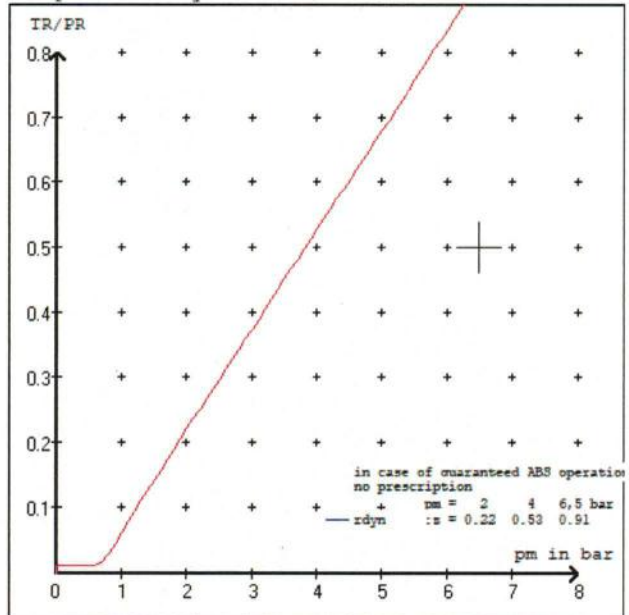
brake chamber pressure unladen



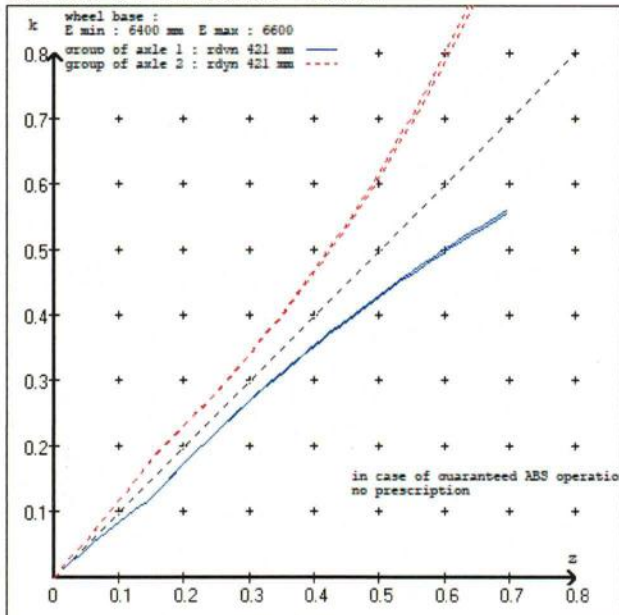
compatibility band laden



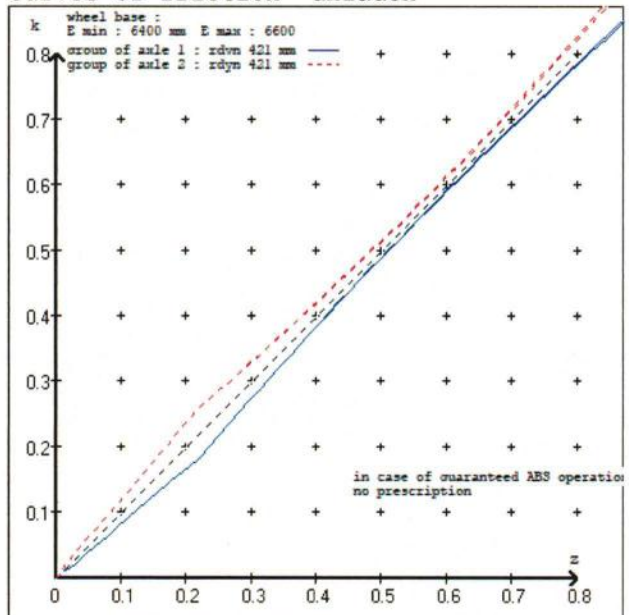
compatibility band unladen



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS
 trailer model : SAFT DROP SIDE 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 :

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 : SAFT DROP SIDE TIPPER
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52034A

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	1700	to be	2.3	8000	to be	0.4	1.5	6.3	
2	1700	entered by	2.3	8000	entered by	0.4	1.5	6.3	
3	1200	the vehicle manufact.	1.5	6350	the vehicle manufact.	0.3	1.6	4.4	
4	1200		1.5	6350		0.3	1.6	4.4	
5	1200		1.5	6350		0.3	1.6	4.4	

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
1700	2.3	1700	2.3	1200	1.5	1200	1.5	1200	1.5
2200	2.6	2200	2.6	1700	1.8	1700	1.8	1700	1.8
2700	2.9	2700	2.9	2200	2.1	2200	2.1	2200	2.1
3200	3.3	3200	3.3	2700	2.3	2700	2.3	2700	2.3
3700	3.6	3700	3.6	3200	2.6	3200	2.6	3200	2.6
4200	3.9	4200	3.9	3700	2.9	3700	2.9	3700	2.9
4700	4.2	4700	4.2	4200	3.2	4200	3.2	4200	3.2
5200	4.5	5200	4.5	4700	3.5	4700	3.5	4700	3.5
8000	6.3	8000	6.3	6350	4.4	6350	4.4	6350	4.4

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

axle 1	(rdyn 421 mm)	T = 25.5 % Fe
axle 2	(rdyn 421 mm)	T = 25.5 % Fe
axle 3	(rdyn 421 mm)	T = 17.4 % Fe
axle 4	(rdyn 421 mm)	T = 17.4 % Fe
axle 5	(rdyn 421 mm)	T = 17.4 % 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 = 7318 N
axle2	ThA = 7318 N
axle3	ThA = 4185 N
axle4	ThA = 4185 N
axle5	ThA = 4185 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 = 43282 N
axle 2	(rdyn 421 mm)	T = 43282 N
axle 3	(rdyn 421 mm)	T = 24748 N
axle 4	(rdyn 421 mm)	T = 24748 N
axle 5	(rdyn 421 mm)	T = 24748 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	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 = 43282 N
axle 2	(rdyn 421 mm)	T = 43282 N
axle 3	(rdyn 421 mm)	T = 24748 N
axle 4	(rdyn 421 mm)	T = 24748 N
axle 5	(rdyn 421 mm)	T = 24748 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	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

	<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	6160	6160
sp.brake chamber no Meritor.....	4	4
release pressure pLs in bar	4.5	4.5

calculation:

ratio until road	3.9674	3.9674
$iF_b = \frac{lBh * \eta * C * r_{Bt}}{r_{Bn} * r_{stat}}$		
for rstat in mm	401	401
brake force of spring br. Tf in N	48188	48188
$T_f = (TFZ * KDZ - 2 * C_o / lBh) * iF_b$		
braking rate zf laden	0.290	
$z_f = \frac{\sum(T_f)}{P} + 0,01$		

Test of the frictional connection required by the parking brake

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

$$\min E_f = E * (1 - \frac{PR}{P} + \frac{z_{ferf} * h}{E}) / (1 - \frac{z_{ferf}}{f_{zul} * \frac{n_f}{n_g}})$$

min Ef = 4980 mm for E = 6400 mm
=====
min Ef = 5118 mm for E = 6600 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 = 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)

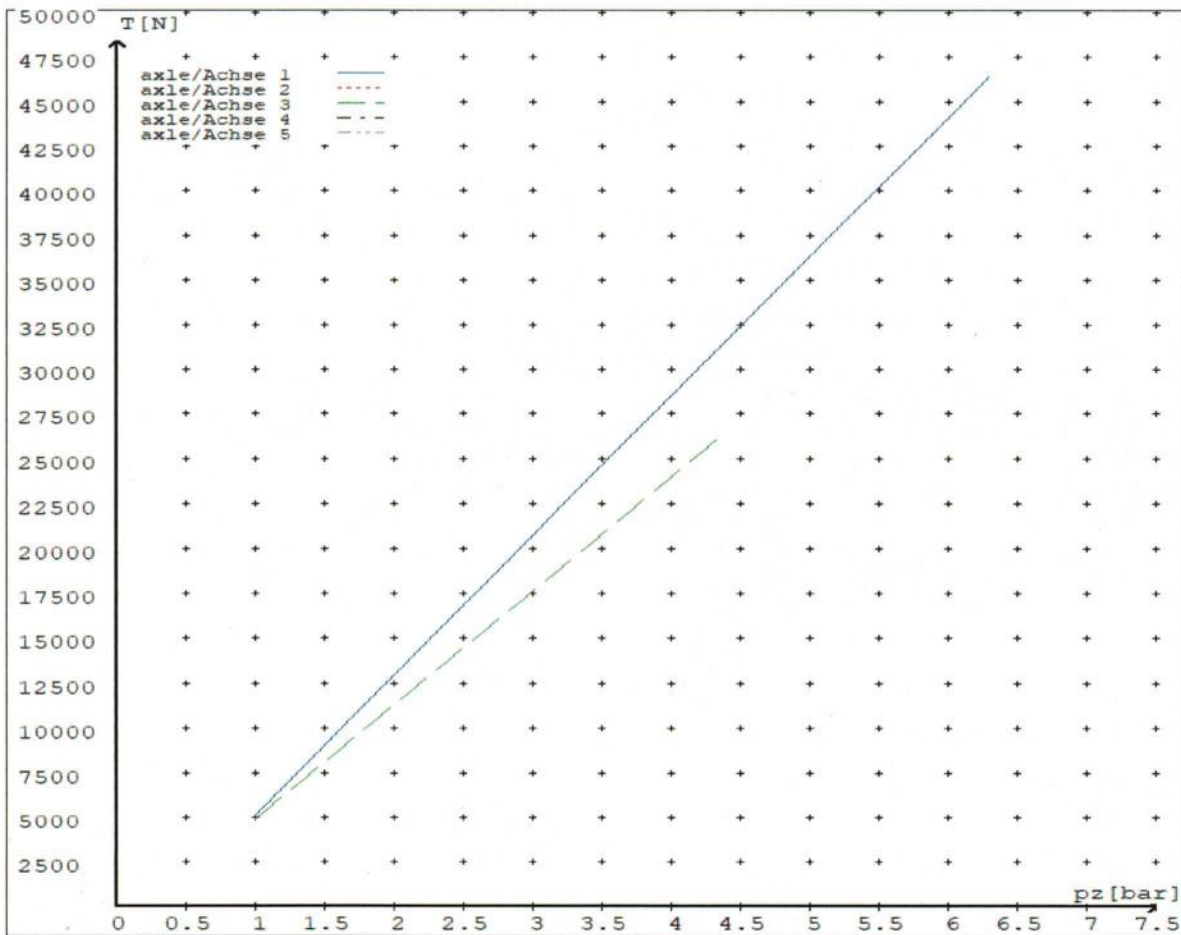
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5087	
	6.3	46349	
axle 2	1.0	5087	
	6.3	46349	
axle 3	1.0		4888
	4.4		26417
axle 4	1.0		4888
	4.4		26417
axle 5	1.0		4888
	4.4		26417

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



SUSPENSION PRESSURES

7 A 9 E 3 1 0 1 8 K 1 0 2 3 9 1 1

WEIGHT

BAG PRESSURES

MAKE

SUSPENSION

FRONT UNLADEN	1700	0.75	SAF_AIRSPRING	2619, 300mm
REAR UNLADEN	1200	0.41	SAF_AIRSPRING	2619, 300mm
FRONT LADEN	8000	5.10	SAF_AIRSPRING	2619, 300mm
REAR LADEN	6350	3.96	SAF_AIRSPRING	2619, 300mm

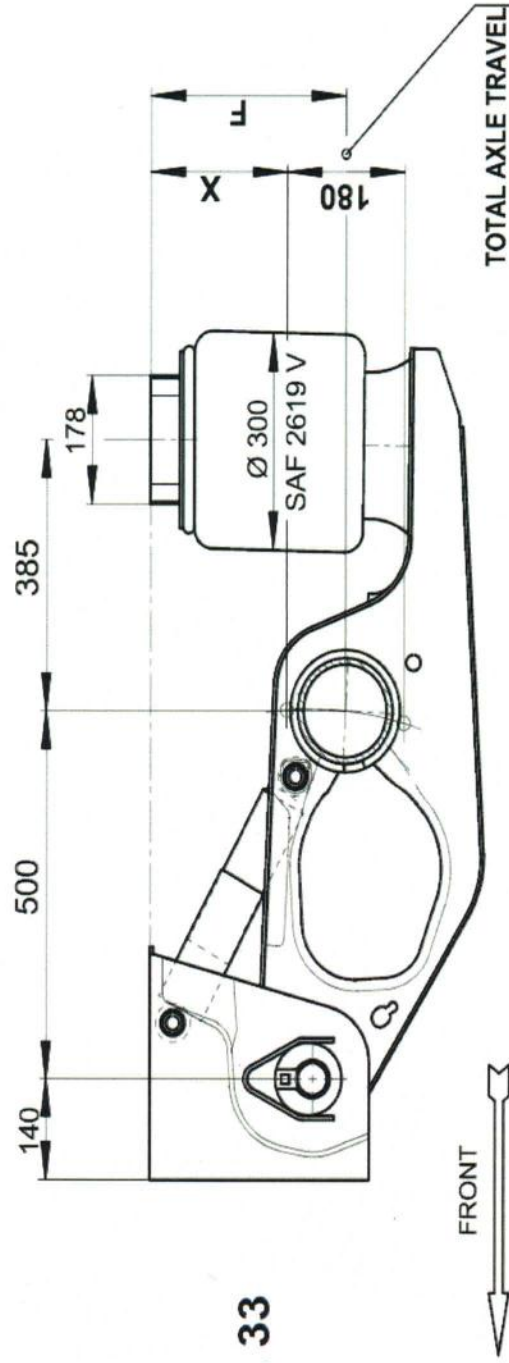
FRONT UNLADEN

REAR UNLADEN

FRONT LADEN

REAR LADEN

IU../.... 33



VIN #:
7A9E31018K1023911

Tare CoG 0.67

GVM 33000
Tare mass 7000

Payload CoG

H_{deck} 1.22
 H_{load} 3.08
 H_{cog} 2.452

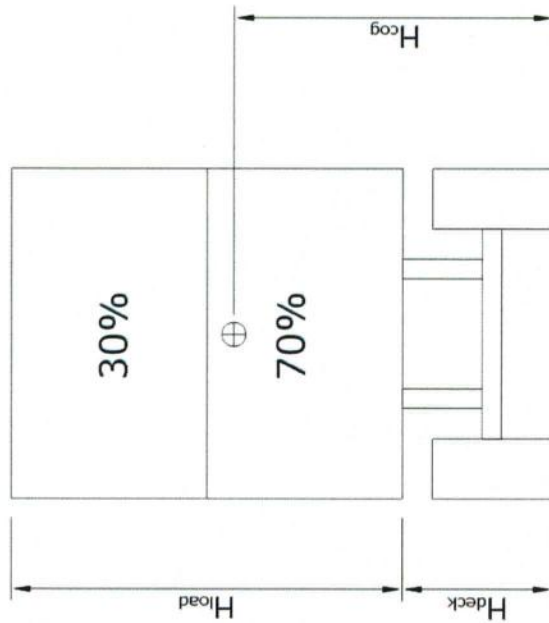
Payload mass 26000

Freight option 0.4
- mixed freight - 0.4
- uniform density - 0.5

Combined CoG

2.074

Mixed Freight



MIXED FREIGHT 0.4
UNIFORM DENSITY 0.5

$$H_{cog} = 0.4H_{load} + H_{deck}$$

**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:	MAINROAD TRAINING

VEHICLE DETAILS

VEHICLE TYPE:	SAFT DROP SIDE TIPPER	CERT #:	JH200213
YEAR:	2020	CALCULATION #:	TP52034
MAKE:	DOMETT	REGO:	N/A
MODEL:	E3101	LT400 #:	
CHASSIS #:	1911	ORDER NUMBER:	6945
VIN #:	7A9E31018K1023911		
GVM: TONNES	33	PRIME MOVER:	NORTH AMERICAN
LOAD CONFIGURATION:	MIXED FREIGHT		
GROUP RATINGS: TONNES	FRONT	REAR	
	16	19	
WHEEL BASE: METRES	6.52		
COG: METRES	UNLADEN COG	MAX HEIGHT	HEIGHT DECK
	0.67	4.3	1.22
TARE: TONNES	FRONT	REAR	TOTAL
	3.4	3.6	7
TYRE SIZE:	FRONT	REAR	
	265 70 R19.5	265 70 R19.5	
ROLLING CIRCUMFERENCE: MM	2645	2645	
AXLE SPACING: METRES	1.31	2.61	

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-ZI9W	TDB0749
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	JURID 539	BRAKE FACTOR:	23.03
SENSED AXLES:	2 + 4		
SERIAL NUMBERS:	1		
	2		
	3		
	4		
	5		

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)	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:	<input checked="" type="checkbox"/> FRONT <input type="checkbox"/> REAR	FRONT FRICTION: μ	0.49
SMARTBOARD/OPTILINK:	<input type="checkbox"/> SMARTBOARD <input type="checkbox"/> OPTI-LINK		

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:	464 008 011 0	464 008 011 0
OTHER VALVES:	N/A	N/A
RIDE HEIGHT <i>MM</i> :	250	250
HANGER HEIGHT <i>MM</i> :	200	200
PEDESTAL HEIGHT <i>MM</i> :	N/A	N/A
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: <i>L</i>	46	46 + 25
AUXILLARY TANK SIZE: <i>L</i>	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

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: 13/02/2020

SIGNED:  20/2/2020

CERTIFIER NAME & ID: WILLIAM SINCLAIR SWI

SODC 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 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.).....
(W.Sinclair.(WS)(HVEK)

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an Anti-lock 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 ISO7638 ABS/EBS power supply socket.

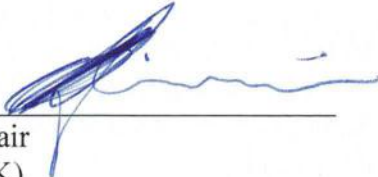
Failure to connect to such supply invalidates Brake Rule compliance.

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.)
Billy Sinclair
(WS HVEK)
(09 980 7300)



NOTICE TO VEHICLE OPERATOR

WABCO Park Release Emergency Valve
(PREV)

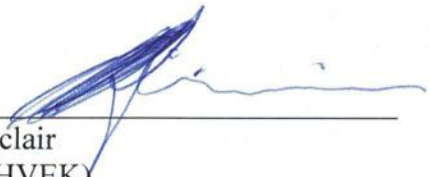
This trailer is equipped with a WABCO PREV
Part # 971 002 900 0

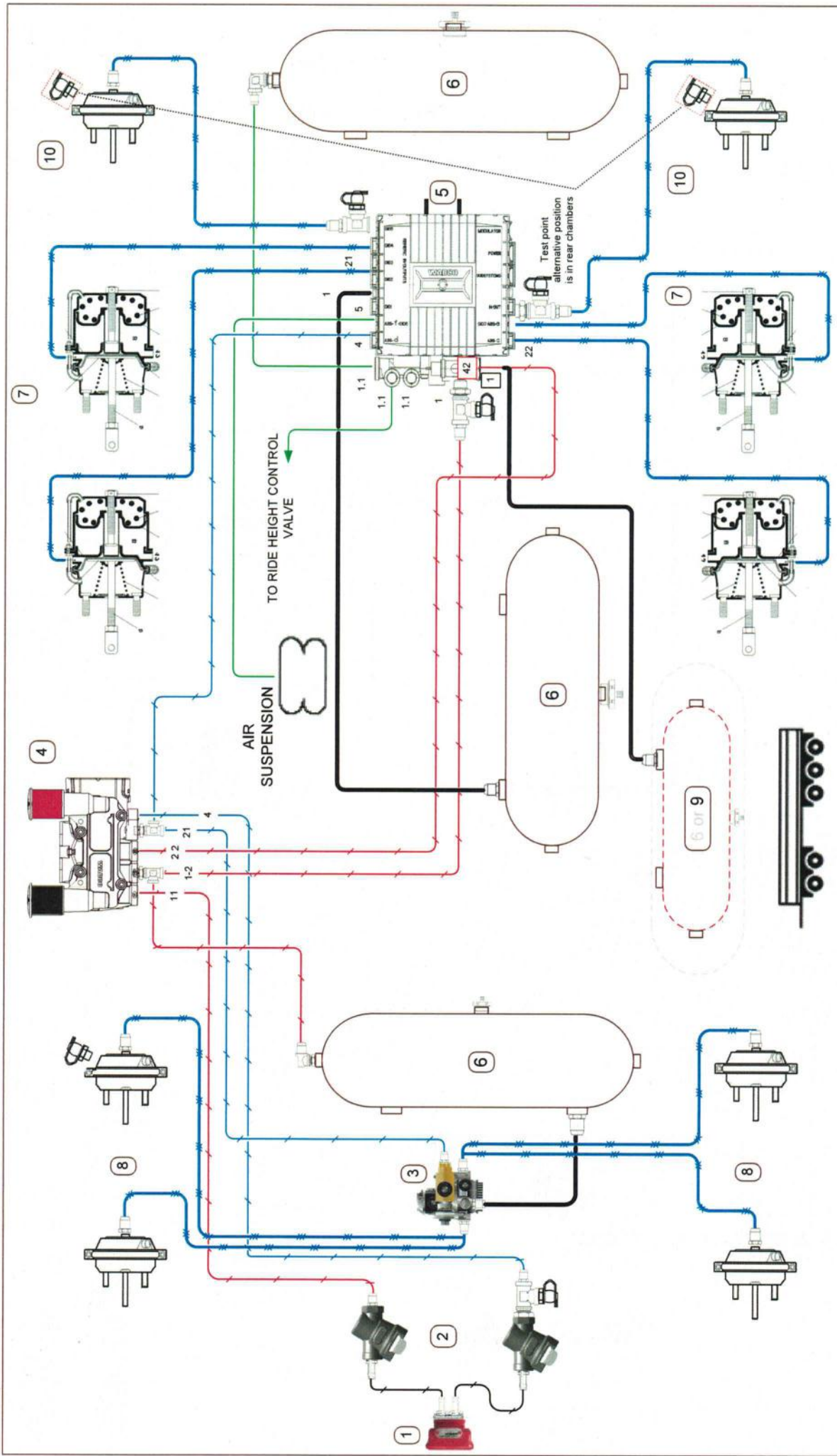
Application of the park brake via the cab control valve will actuate and apply all service brakes on the trailer. In the event of a leak in the service brake system the Spring Brakes will automatically override and hold the vehicle in compliance to Land Transport Rule: Heavy-vehicle Brakes Rule 32015/5.

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.)
W.Sinclair
(W.S HVEK)
(09 980 7300)

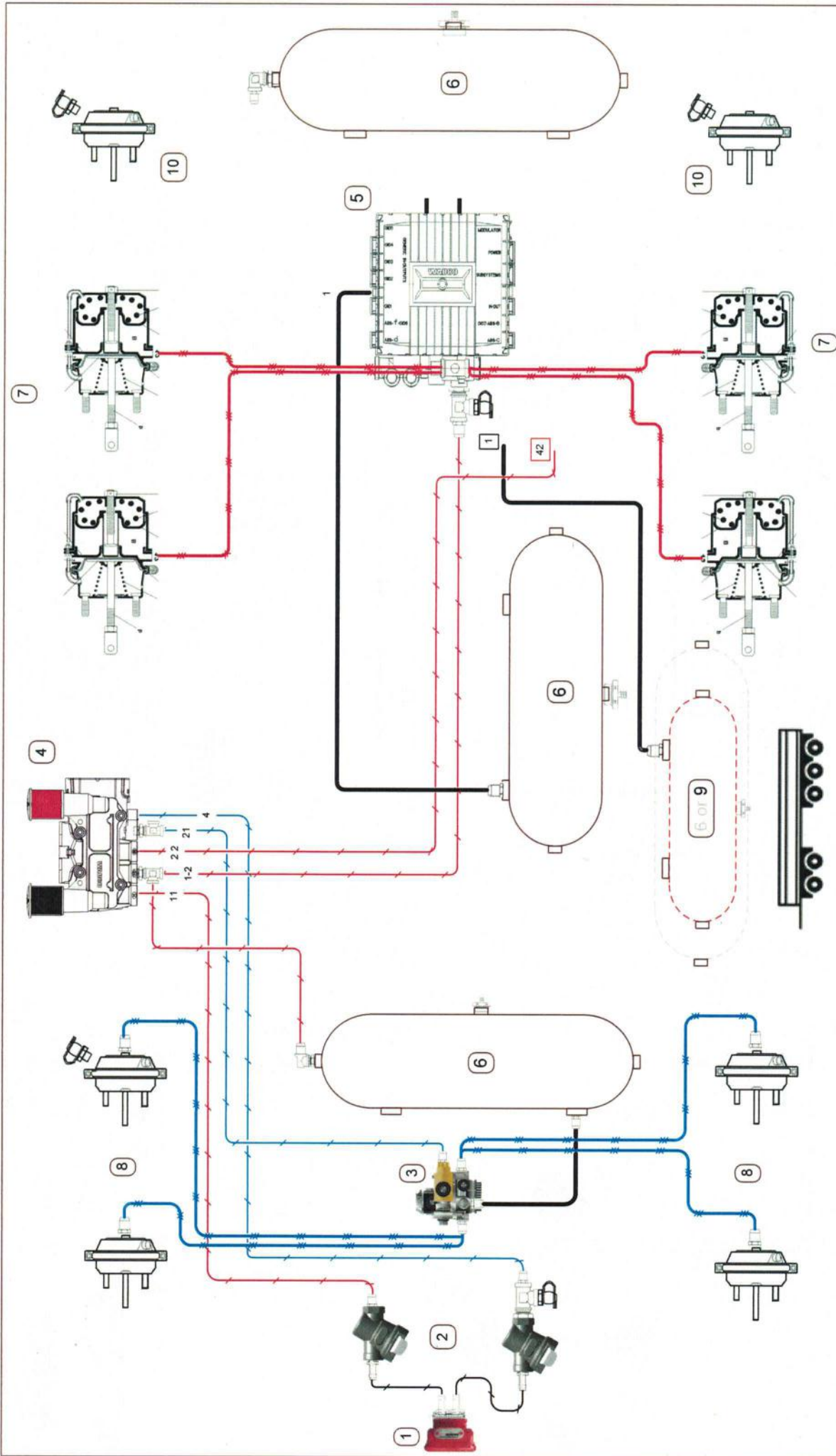




ITEM		QTY.	PART NO.	DESCRIPTION	ITEM	QTY.	PART NO.	DESCRIPTION	PIPING LEGEND
1	1	452 804 001 0	WABCO Duc-Matic coupling	9	1	24 5 Ltr Air Tank	3/8" Rubber	3/8" Rubber	—
2	2	432 500 020 0	WABCO control line filter	10	2	14HSLD64	1/2" Rubber	3/8" Rubber	—
3	1	480 207 202 0	WABCO EBS 3" modulator	11			15mm Nylon	1/2" Rubber	—
4	1	971 002 900 0	WABCO PREV	12			12mm Nylon	15mm Nylon	—
5	1	480 102 08 0	WABCO TEBS - E (premium)				8mm Nylon	12mm Nylon	—
6	3	48 102 08 0	48 Ltr Air tank				8mm Nylon	8mm Nylon	—
7	4	1416HTLD64	TSE Spring brake chamber				8mm Nylon	8mm Nylon	—
8	4	20HSLD65	TSE Service brake chamber				8mm Nylon	8mm Nylon	—

DOMETT		5 AXLE FULL TRAILER	
		SIZE A4	MODEL NUMBER DOM5AXFULL/D/EBS
SPEC REFERENCE 1911	REV 1		
SCALE	SERVICE LINES		

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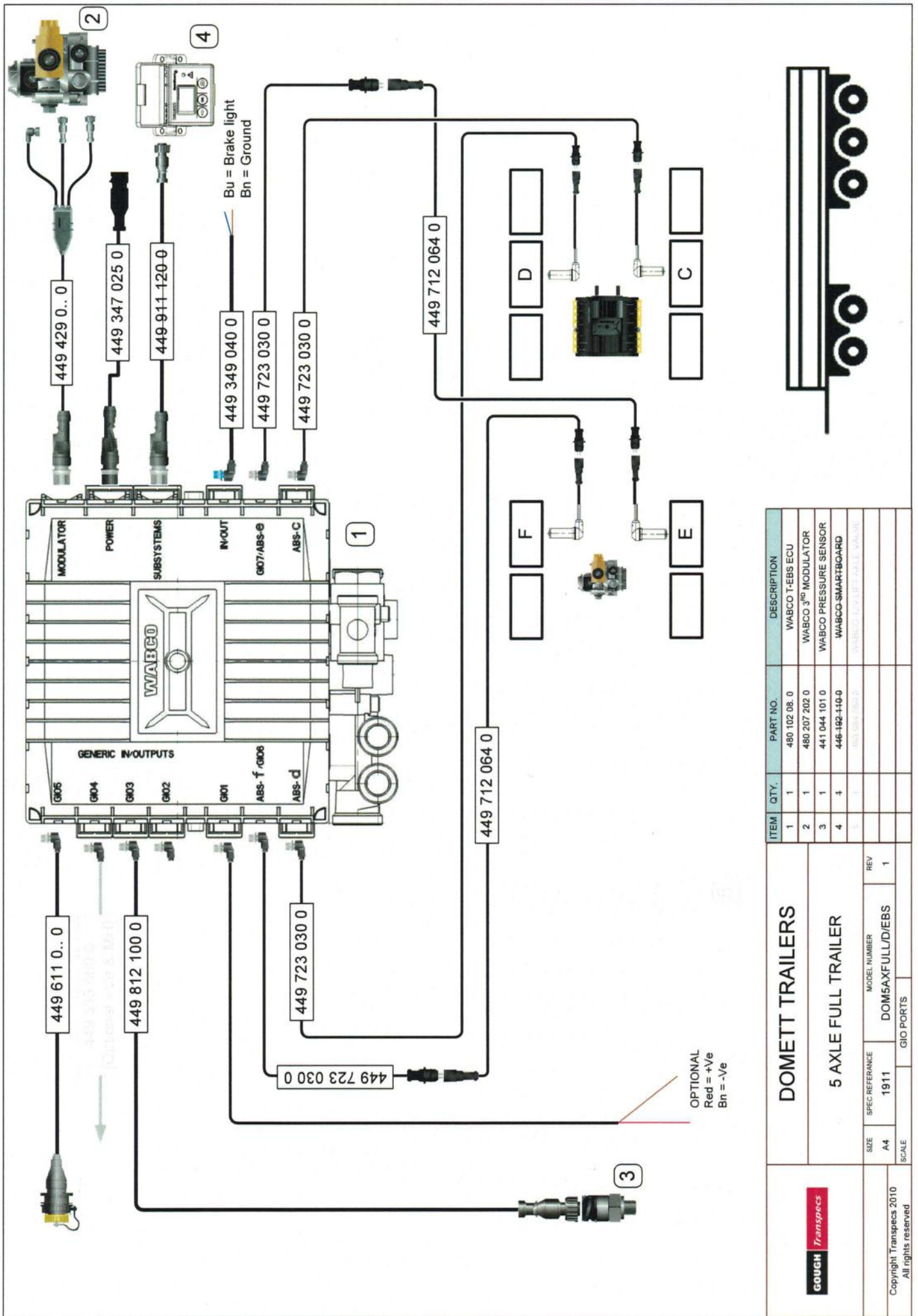
ITEM		QTY.	PART NO.	DESCRIPTION	ITEM	QTY.	PART NO.	DESCRIPTION
1	1	452 804 001 0	WABCO Duo-Matic coupling	9	1	14HSLD64	24.5 Ltr Air Tank	
2	2	432 500 020 0	WABCO control line filter	10	2		TSE Service brake chamber	
3	1	480 207 202 0	WABCO EBS 3rd modulator	11				
4	1	971 002 900 0	WABCO PREV	12				
5	1	480 102 08 0	WABCO TEBS - E (premium)					
6	3	46 Ltr Air tank						
7	4	1416HTLD64	TSE Spring brake chamber					
8	4	20HSLD65	TSE Service brake chamber					

DOMETT	
5 AXLE FULL TRAILER	
SIZE	MODEL NUMBER
A4	DOM5AXFULL/DIEBS
SCALE	REV
	1

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WABCO	
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PIPING LEGEND:

	3/8" Rubber
	3/8" Rubber
	1/2" Rubber
	15mm Nylon
	12mm Nylon
	8mm Nylon
	8mm Nylon



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	480 102 08. 0	WABCO T-EBS ECU
2	1	480 207 202 0	WABCO 3 rd MODULATOR
3	1	441 044 101 0	WABCO PRESSURE SENSOR
4	1	446-192-110-0	WABCO-SMARTBOARD
5	1	480 094 060 0	WABCO 3 rd MODULATOR
6	1	480 094 060 0	WABCO 3 rd MODULATOR VALVE

DOMETT TRAILERS

5 AXLE FULL TRAILER

SIZE	A4	MODEL NUMBER	DOM5AXFULL/D/EBS	REV	1
SCALE		GIO PORTS			



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