

Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

Heavy vehicle specialist inspector's or manufacturi	ng inspecting organisation's name (wew.rw.caps) CHRIS CLARKE	oro.
Plate number (optional)	VIN/chassis number 7 A 9 E 2 0 0 1 8 P 2 0	2 3 2 5 8
Make DOMETT	Component being certified: Chassis	oad a
Model (optional) E2001 PSH-33	Log bolsters Towing connection	X Brakes
Certification category HVEK	SRT PSV stability Swept path PBS	PSV rollover
Description of work	- Annaced	
CERTIFY TO SCHEDULE 5 OF L	CERTIFY TO SCHEDULE 5 OF LTR 32015: NZ HEAVY VEHICLE BRAKE SPECIFICATION	ATION.
CARRY OUT BRAKE CALCULAT	CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOCO	TOCOL.
5AFT CURTAINSIDE	RSS ON TYRE: 265 70 R19.5	
FOR SYSTEM ARCHITECTURE, REASON FOR CERTIFICATION:	PLEASE REFER TO PDS WORKSHEET & SCHEMATIC NEW TRAILER BUILD	IATIC.
Code/standard/rule certified to LTR 32015/5	Component load rating(s) 33 Tonnes GVM	
General drawing number(s)	16 Tonne (Front brake mass) 19 Tonne (Rear brake mass)	rake mass) ake mass)
Supporting documents BRAKE RULE CERTIFICATE BRAKE CALCULATION #	JH230204 TP52610	
Special conditions (optional) WARNING LAMP MUST ILLUMINA EXTINGUISH IMMEDIATELY OR V	ditions (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]	OF Hubodometer reading (whichever comes first)	0
Declaration	Designer's ID (if different from inspector below)	_
the undersigned, declare that I am the heavy vehicle specialist spector identified and I hold a current valid appointment. I ertify that the above mentioned vehicle component's design, nanufacture and installation, and this certification complies all respects with the Land Transport Rule: Vehicle Standards compliance 2002 and my appointment. To the best of my nowledge the information contained in the certificate is true and correct.	Inspector's signature Mispectar's pame (PRINT IN CAPS) S Date Date Number	1D number 1D number 23 C
CoF vehicle inspector (D (if applicable)	CoF vehicle inspector signature (if applicable) Date	

brake diagram :

maximum pressure: 8.5 bar

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

valve 2:

WABCO

or 480 207 2.. 0

WABCO

480 207 0.. 0 EBS relay valve

brake cylinder: Meritor

20HSCLD65

axle 2: valve 1:

971 002 ... 0 EBS emergency valve

valve 2: 480 EBS

207 0.. 0 relay valve

brake cylinder: Meritor 20HSCLD65

axle 3: valve 1:

480 EBS

WABCO

or 480 207 2.. 0

WABCO

WABCO

971 002 ... 0 EBS emergency valve

WABCO

102 ... 0 trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 4:
valve 1:

971 EBS 002 ... 0 emergency valve

WABCO

valve N 480 EBS

102 ... 0 trailer modulator

WABCO

brake cylinder: Meritor 1424HTLD64

axle 5:

valve ⊢.. 971 EBS 002 ... 0 emergency

valve

WABCO

WABCO

valve 2 480 EBS 102 ... 0 trailer modulator

brake cylinder: Meritor 14HSCLD64

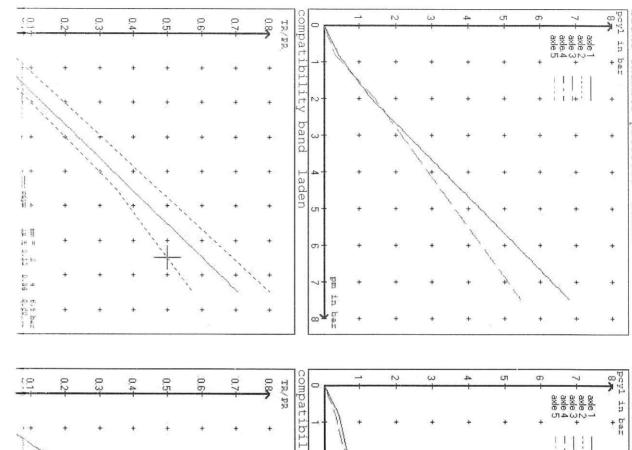
test type III at pm 3.6 bar test type III at pm 1.3 bar Ш 0.06) 0.30) for rdyn pcha in for rdyn pcha in min bar min bar

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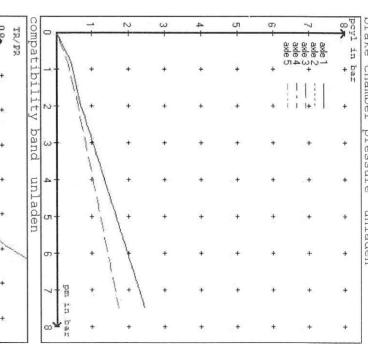
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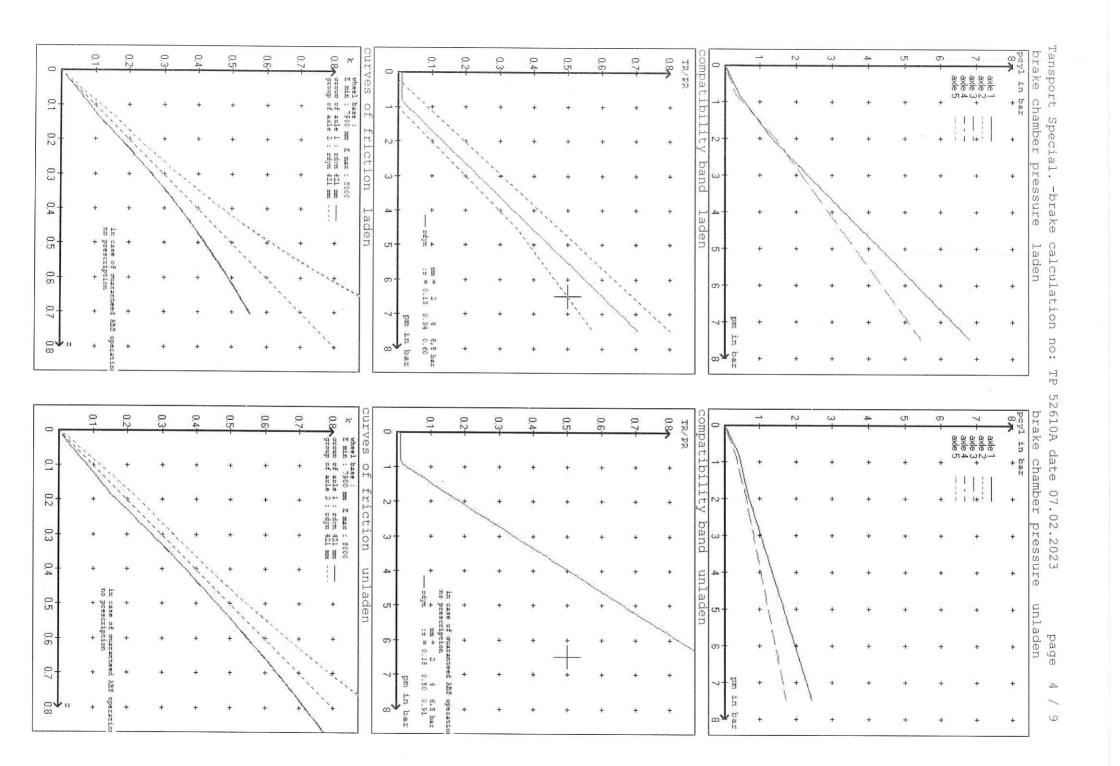
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+ +

6,5 bar





vehicle manufacturer: DOMETT TRAILERS

trailer trailer model type 5-axle-full-trailer 5AFT CURTAINSIDE

chamber and lever length

5 4 W N H SUSSES \times \times \times \times type/diameter
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bra Ke dia agram

valve 971 00 480 20 480 10 002 207 102 : 0: 000 WABCO WABCO WABCO HHH BBB SSS emergency valve relay valve trailer modulator

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EBS input data

manufacturer:

vehicle trailer trailer brake ca model DOMETT TRAILERS
5AFT CURTAINSIDE
5-axle-full-trailer

calculation no. type ΤP

52610A

max

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

assignment (laden conc ment pm / c deceleration Ν.. pm 6.0 508 bar NNN 0.010 0.134 0.600

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4.7	4.7	4.7	5.8	5.8)r. 1	6.5

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. The unladen values indicated in the above table are values for are the

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axle manufacturer type of brake type of axle

axle 1 + 2 + HENDRICKSON SBW 1937 SBW 1937 ATPR0185

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test report of characteristic value

Tansport Special. -bra ke Ca culation no TP 52610A date 0 J 0 N 2023

page 7 / 9

spring parking brake

release pressure pLs in bar	ring brake no Meritor	no of TRISTOP-actuators per axle line KDZ TRISTOP-actuator type lever length stat. tyre radius rstat max in mm
4.8	30 6160 4	<u>axle 3</u> T.14/24 69 401
4.8	30 6160 4	<u>axle 4</u> T.14/24 69 401

calculation:

zf = sum (Tf)/P + 0,01	braking rate zf laden	(TFZ*KDZ-2*Co/1Bh)*iFb	brake force of spring br. Tf in N	for rstat	<pre>iFb = lBh*Eta*C*rBt/(rBn*rstat)</pre>	atio
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H connection required γď the ırking brake

minimum v to fulfi wheelbase/minimum the regulations supporting width min 巨五 necessary

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min E and th E fzul zferf h PR PR Ef 0.8 0.3 2100 19050 35050 3 axle . 80 . 18 . mm . kg S minimum distance between front a s) (resultant of the bogie) wheel base maximum permissible frictional c maximum required braking ratio o height of center of gravity - la maximum bogie mass - laden maximum total mass - laden no. of axle(s) with TRISTOP sprino. of bogie axle(s) spring l connect o of the laden axle(s) brake tion requiparking by (trailer) actuators uire bra ke 04 support (semitraile)



AND FITTED IN ACCORDANCE WITH THE LAND TRANSPORT HEAVY VEHICLE BRAKE RULE 32015. THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED

NEED TO BE TAKEN INTO CONSIDERATION. CERTIFIED VEHICLES, THERE MAY BE OPERATIONAL FACTORS WHICH IF THIS VEHICLE IS OPERATED IN CONJUNCTION WITH NON-

PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION

RULE 32015. EXCERPT FROM LAND TRANSPORT RULE; HEAVY-VEHICLE BRAKES

10.1 RESPONSIBILITIES OF OPERATORS

A person who operates a vehicle must ensure that the vehicle complies with this

10.2 RESPONSIBILITIES OF REPAIRERS

adjustment: A person who repairs or adjusts a brake must ensure that the repair or

- 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

- a) ensure that the modification does not prevent the vehicle from complying with this Rule; and
- 5 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.

CONTACT THE VEHICLE MANUFACTURER, OR MYSELF. IF YOU ARE UNSURE ABOUT YOUR RESPONSIBILITIES, PLEASE

Appointment Para 47.4) NZTA Helpdesk 0800 108 809 Transport Agency if dissatisfied with a Compliance issue. (Refer NZTA Notice Of Transpecs Warranty policy. Customers have the right to appeal to the New Zealand within 25 working days. Resolution of complaints and Warranty issues is subject to Certification will be acknowledged within 7 working days and a resolution proposed COMPLAINTS. Complaints and Warranty issues which relate to Brake







NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an Electronic Brake System.

truck/tractor equipped with a 5 or 7 pin ABS/EBS power To comply with the New Zealand Heavy Vehicle Brake Rule 32015, it must be used only in conjunction with a supply socket.

Failure to connect to such supply invalidates Brake Rule compliance.

The trailer ABS/EBS warning light on the towing vehicle If the light does not illuminate when ignition is switched dashboard must illuminate when the ignition is switched compliance is compromised. Repairs must be made as illuminated when the vehicle is in motion, Brake Rule on, the system must be checked. If the light remains on and extinguish when the vehicle is in motion. soon as possible

If you are unsure of your responsibilities and/or obligations, please contact either the vehicle manufacturer or myself.

J E Hirst (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

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

brake system is tested by pulling the red actuation knob The cab control in the prime mover does not have to be on the PREV, situated mid way down the chassis rail. When the vehicle is presented for COF the trailer park applied for this test procedure.

If you are unsure of any aspect relating to this instruction please contact either the vehicle manufacturer or myself.

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





WORKSHEET, PROCEDURE DOCUMENTATION SHEET **NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015**

& CONFIRMATION OF COMPLIANCE

ADDRESS:	TAURIK	TAURIKURA DRIVE, TAURANGA 3110	Δ 2110
FLEET:		BOOTHS TRANSPORT	
VEHICLE DETAILS			
VEHICLE TYPE:	5AFT CURTAINSIDE	CERT #:	JH230204
YEAR:	2023	CALCULATION #:	TP52610
MAKE:	DOMETT	REGO #:	N/A
MODEL:	E2001 PSH-33] LT400#:	859169
CHASSIS #:	2258	ORDER #:	9312
VIN #:	7A9E20018P2023258	258	
GVM: t	33	PRIME MOVER:	EBS / EUROPEAN
LOAD CONFIGURATION:	MIXED FREIGHT		
GROUP RATINGS: t	FRONT	REAR	
	16	19	
WHEEL BASE: m	7.94		
	UNLADEN COG m	MAX HEIGHT m	HEIGHT DECK m
	1.03	4.3	1.083
COG: m	2.094		
	FRONT	REAR	TOTAL
TARE: t	3.3	3.5	6.8
	FRONT	REAR	
TYRE SIZE:	265 70 R19.5	265 70 R19.5	
ROLLING CIRCUMFERENCE: mm	2645	2645	
AXLE SPACING: m	1.31	3	

BRAKE & AXLE DETAILS			
	MAKE	MODEL	TEST REPORT
AXLE:	HENDRICKSON	HND-PAN 19 DISC	ATPR0185
POLE WHEEL FRONT:	100	POLE WHEEL REAR:	100
LINING MATERIAL:	WABCO 230	BRAKE FACTOR:	23.49
SENSED AXLE(S):	2+4		NOTES:
SERIAL NUMBERS:	<u>1</u> 2		AANL230
	2		AANL230
	ω		AANL230
	4		AANL230
	G		AANL230
CHAMBER AND VALVING DETAILS			
CHAMBERS:	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
BRAND:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
SIZE:	20HSCLD	1424TLD2H	14HSCLD
STROKE: mm	65	64	64
TEST REPORT #:	BC 0041.0 Jul '07	BC0143.0	TSE derived
SPRINGBRAKE FORCE: kN	N/A	6.16	N/A
HOLDOFF PRESSURE: Bar	N/A	4.8	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)	80 kPa
3RD MODULATOR #: ANTI-COMPOUNDING:	WABCO YES	480 207 202 0 (12V)	80 kPa
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	0.49
SUBSYSTEMS:	☐ SMARTBOARD ☐	☐ OPTI-LINK ☐ CAN R	☐ CAN ROUTER 446 122 050 0
	☐ ELEX 446 122 070 0 ☐ -	☐ TAILGUARD	Page 2

SUSPENSION

	FRONT	REAR
SUSPENSION TYPE:	PNEUMATIC	ELECTRONIC
MAKE:	HENDRICKSON_AIR	HENDRICKSON_AIR
MODEL:	HENDRICKSON_INTRAX	HENDRICKSON_INTRAX
BELLOW SIZE:	ZMD SHOCKLESS	ZMD SHOCKLESS
HEIGHT CONTROL VALVE:	HALDEX 90554950	441 050 100 0
OTHER VALVES:	N/A	463 090 500 0 (eTASC)
RIDE HEIGHT mm:	255	255
HANGER HEIGHT mm:	203	203
PEDESTAL HEIGHT mm:	60	60
LIFTAXLE:		N/A
TIPPING DUMP SWITCH:		N/A
LIFTAXLE VALVE:		N/A
PRESSURE LIMITING:		N/A
AIR TANKS		
AIR TANKS STANDARD:	SAE J10A /	EN286-2
	FRONT	REAR
BRAKE TANK SIZE: L	46	46 + 25
AUXILLARY TANK SIZE: L	N/A	46
PRESSURE PROTECTION:	WABCO PEM: 461 513 002 0	51 513 002 0
AIR LINES		
TEST POINTS:		
CONTROL LINE:	X1	TANK:
REAR CHAMBER:	X 2	FRONT CHAMBER:
DUOMATIC COLOUR CODED:	YES	

HEAVY VEHICLE BRAKE RULE 32015 (TRAILER)	2015 (TRAILER)		
☐ SCHEDULE 4		☐ SECTION 6	☐ APPROVED STD
CHECKS AT COMMISSION OF VEHICLE	EHICLE		
CHAMBER BUNGS REMOVED:	<	VALVE MOUNTING:	<
ECU BLANKING PLUGS CHECKED:	9:		
RESPONSE TIME:	MODULATOR 2.1	MODULATOR 2.2	RELAY VALVE
ms:	170	175	325
NOTES, SKETCHES AND SPECIAL CONDITIONS FILES RECEIVED: 19.12.2022	CONDITIONS FILES CREATED (SODC) AND SENT TO CIC: 07 07 2023	SENT TO CIC: 07 02 2023	
REQUEST A COPY OF THE TARE WEIGHT DOCKET	IT DOCKET 🗸		
OFF-ROAD MANOEUVRE ASSIST			
FILES RETURNED AS COMPLETE:			
REASON FOR CERTIFICATION:	NEW TRAILER BUILD		
I UNDERSTAND AND DECLARE THAT I AM THE CERTIFIER IDENTIFIED BELOW AND HOLD A CURRENT VALID APPOINTMENT. I CERTIFY THAT AT THE TIME OF INSPECTION THE ABOVE MENTIONED VEHICLE COMPONENT	M THE CERTIFIER IDENTIFIED BE	ELOW AND HOLD A CURRENT VE MENTIONED VEHICLE CON	VALID VPONENT
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.	PLIES IN ALL RESPECTS WITH TH Y DEED OF APPOINTMENT. TO 1 TIFICATE IS TRUE AND CORRECT	IE LAND TRANSPORT RULE VE THE BEST OF MY KNOWLEDG T.	ETHE
NEW ZEALAND HEAVY VECHLE BRAKE RULE 32015, SCHEDULE 5.	KE RULE 32015, SCHEDULE 5.		
DATE:	24/02/2023		
SIGNED:			
CERTIFIER NAME & ID:	CHRIS CLARKE	CJC	
SODC BY:	JOHN HIRST	JEH	
PHONE (BUS):	09-980-7300		
POSTAL ADDRESS:	P.O. Box 98-971, Manukau 2241	2241	
	New Zealand		