TRANSPORT AGENCY

Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Engineer Organisation

Name

CHRIS CLARKE

ID

CJC

VIN / Chassis Number

7A9E 20010D1023157

Component being certified

Chassis Modification

Load Anchorage

Kingpin Bushes

Towing Connection

✓ Brakes

SRT

Component Manufacturer

HUEK

Description of Work

CARRY OUT SET UP OF TRAILER EBS SYSTEM.

ROLL STABILITY FUNCTION (RSP) ACTIVATED + TESTED.

Component Type Approval Number(s)

HUBNZ 32015/2 SCHED 5

Component Load Rating(s)

32000 KG.

Other Type Approval Number(s)

N/A

Specification Number(s)

BRAKE DESIGN CERTIFICATE - CJC1972.

Special Conditions

WARNING LAMP MUST ILLUMINATE WHEN IGNITION SWITCHED ON + THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE EXCEEDS 7KPH.

Suspension Type Approval Number

N/A

or Hub/Intermediate Reduction Unit Certificate Number

Declaration

I hold a current Heavy Vehicle Inspector licence and I hold a current valid Engineer Practising Certificate and the above mentioned vehicle modification and installation and this certificate complies with the Land Transport Rule: Vehicle Dimensions and Mass Compliance 2002 and my Deed of Delegation. To the best of my knowledge the information provided on this certificate is true and correct.

Designer's ID

Inspector's / Designer's Signature

Designer's Name

Date

08.05.2013

Number

434922

COF Vehicle Inspector Signature

Date

All fields excluding those marked with * must be completed before this certificate can be accepted.

Form ID

ET400

KNORR-BREMSE

ECUtalk® - TEBS G2 / G2.x (v.2.4.15 3)

EOL Report

TEBS G2 ES2060	ES2060		K019302V04N00	E48	13R-
SW Version	TBSG.0000700.0000140		KB Help Centre	+ 49 (0) 180 566 77 05	
Type	Full-trailer		Manufacturer	Domett Trailers	
Brake calculation no.	7A9E20010D1023157		VIN	7A9E20010D1023157	
Serial number	20124840229		PIN	00 00 05 D2	

	Front pressure parameters				Rear pressure parameters			
Demand	Pneumatic (CAN) [bar]				Pneumatic (CAN) [bar]			
Control pressure [bar]	0.70	1.6	4.5	6.5	0.70	1.6	4.5	6.5
Brake press. unladen [bar]	0.48	0.8	1.9 (1.7)	2.7 (2.4)	0.52	0.9 (0.8)	2.0 (1.8)	2.8 (2.5)
Brake press. laden [bar]		1.4 (1.3)	4.3 (3.8)	6.3 (5.6)		1.4 (1.2)	4.0 (3.6)	5.9 (5.2)

Axle	Max. load [kg]		
1	6400	16	0
2	6400	16	0
3	6400	14	0
4	6400	14	0
5	6400	14	0

	O	OOO	Ext.brake demand	None
Bogie load unladen [kg]	3200	4200	Differential slip [%]	-
Bogie load laden [kg]	12800	19200	Max slip demand [bar]	-
Tyre diameter [mm]	842	842	Pressure limit (CAN) [bar]	-
Sensing ring teeth	80	80	ABS Configuration	4S/3M
Module turned	No		3rd modulator	TEPM Premium
TBM LS Type	TBM-Internal		TEPM LS Type	TEPM-Internal
LS1 U_unladen [V]	-		LS-TEPM U_unladen [V]	-
LS1 U_laden [V]	-		LS-TEPM U_laden [V]	-
Spring deflection TBM	-		Spring deflection TEPM-P	-
Lever length TBM	-		Lever length TEPM	-

AUXIO1	Disabled
AUXIO2	Disabled
AUXIO3	Supply
SENS_IN1	Disabled
SENS_SUP	Disabled
INPUT_E	Disabled
INPUT_F	Disabled
P28	Disabled
TEPM-AUXIO1	Disabled
TEPM-AUXIO2	Disabled
TEPM-SENS_IN1	Disabled
TEPM-SENS_IN2	Disabled

	Unladen	Laden
Airspring pressure TBM [bar]	0.5	3.8
Airspring pressure TEPM [bar]	0.6	3.8
Suspension pressure TBM [bar]	-	-
Suspension pressure TEPM [bar]	-	-

Kilometre counter [km]	0
Next service [km]	9999999
Next service [date]	31/12/2254

6B6A2C4C241280BE

KNORR-BREMSE

ECUtalk® - TEBS G2 / G2.x
(v.2.4.15.3)

EOL Report

TEBS G2 ES2060	ES2060	K019302V04N00	E48	13R-
SW Version	TBSG.0000700.0000140	KB Help Centre		+ 49 (0) 180 566 77 05
Type	Full-trailer	Manufacturer		Domett Trailers
Brake calculation no.	7A9E20010D1023157	VIN		7A9E20010D1023157
Serial number	20124840229	PIN		00 00 05 D2

EOL Test Result: OK

EOL Test Step Results

Initial "Fault" status (0.0)	OK (1)
Installation check (1)	OK (1)
System pressure test (2)	OK (1)
Warning lamp test (3)	OK (1)
S-C sensor test (11.3)	OK (1)
Air gap speed at SC [km/h]	2.06
S-A sensor test (11.1)	OK (1)
Air gap speed at SA [km/h]	2.06
S-B sensor test (11.2)	OK (1)
Air gap speed at SB [km/h]	1.93
S-D sensor test (11.4)	OK (1)
Air gap speed at SD [km/h]	2.11
RSP installation test (13)	OK (1)
Final "Fault" status (0.1)	OK (1)

Tester's name	Chris Clarke
Location	Genese Ltd
Date	Thursday, 2 May 2013
Additional information	

Signature

6B6A2C4C241280BE

Calculation in accordance with ECE Regulation 13 (11 Series) and EEC Directive 71/320 EEC (2002/78/EC) using Knorr-Bremse Braking System Designer software (version 13.0)

Results based on vehicle data and components as defined by the Braking System Designer program user.
No liability assumed by Knorr-Bremse regarding the use of non-Knorr-Bremse product data.

Customer: Domett Trailers

Vehicle: 7A9E20010D1023157

Project: Emmerson 5 axle full trailer

Vehicle

Type		**2x3 Drawbar trailer**
Calculated effective wheelbase [m]		**7.09**
Laden (max.) mass [kg]		**32000.00**
Laden (max.) front axle group load [kg]		**12800.00**
Laden vertical position of CoG [m]		**2.02**
Unladen (min.) mass [kg]		**7400.00**
Unladen (min.) front axle group load [kg]		**3200.00**
Unladen vertical position of CoG [m]		**1.08**
Laden/unladen front air spring press.	[bar]	**3.80/0.60**
Laden/unladen rear air spring press.	[bar]	**3.80/0.50**

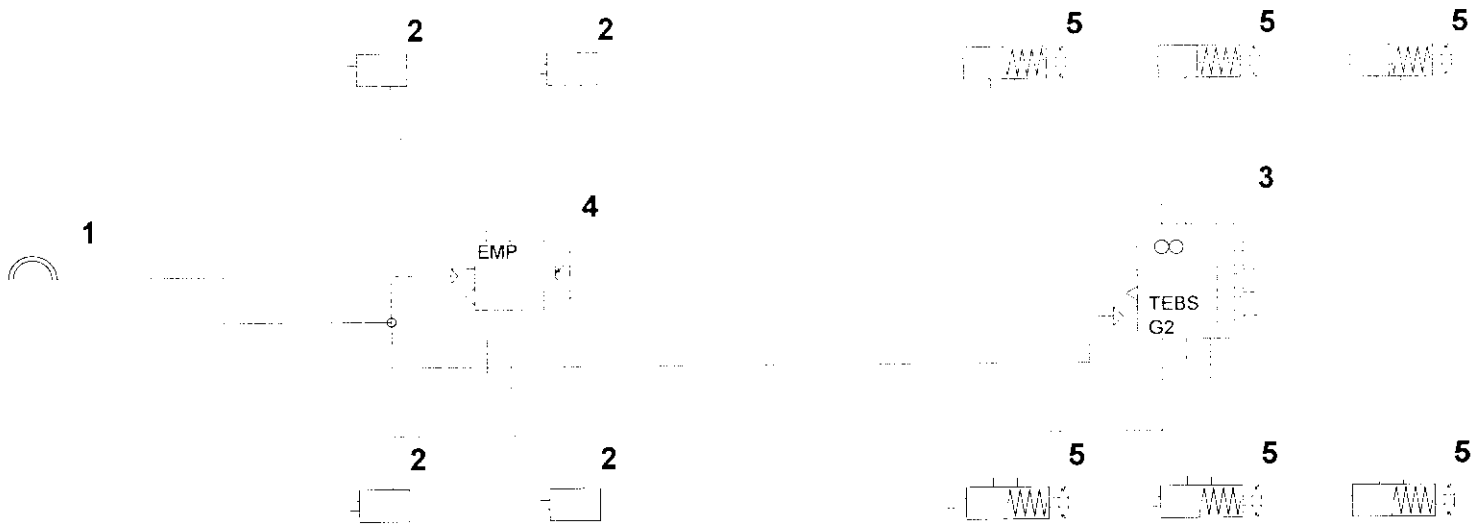
Axles

		Axle 1	Axle 2	Axle 3	Axle 4	Axle 5
Axle distances [m]		-	<----- 1.31 ----->	<----- 5.18 ----->	<----- 1.25 ----->	<----- 1.25 ----->
Axle loads [kg]	**Laden**	6400	6400	6400	6400	6400
	Unladen	1600	1600	1400	1400	1400
Axle type		BPW	BPW	BPW	BPW	BPW
		361-041-08	361-041-08	361-041-08	361-041-08	361-041-08
Tyre size		265/70 R 19.5	265/70 R 19.5	265/70 R 19.5	265/70 R 19.5	265/70 R 19.5
Dyn. tyre radius [mm]		421	421	421	421	421
Stat. tyre radius [mm]		401	401	401	401	401
Brake size or radius [mm]		- Disc	- Disc	- Disc	- Disc	- Disc
and Brake type		TSB 3709	TSB 3709	TSB 3709	TSB 3709	TSB 3709
Actuator numb./axle & size		2 x 16	2 x 16	2 x 14/24	2 x 14/24	2 x 14/24
Actuator force at	**6.5 bar [N]**	6583	6583	5277	5277	5277
Slack adjuster length [mm]		-	-	-	-	-
Thresh.mom.[Nm] or force[N]		150.00	150.00	150.00	150.00	150.00
Brake Factor by Annex 19		20.5	20.5	20.5	20.5	20.5
Discbrake lever length [mm]		80	80	80	80	80
Int.br.factor (C*) & Mech.eff.(Eta)		- -	- -	- -	- -	- -
Int.br.factor x Mech.eff.(C* x Eta)		-	-	-	-	-
S-Cam radius [mm] or mech.ratio or wedge angle[-]		-	-	-	-	-
Friction material		BPW 8101	BPW 8101	BPW 8101	BPW 8101	BPW 8101

Calculation pressure [bar]: 6.5

Database version: 13.0.32

Warning! This brake calculation has been produced using information from a source not controlled by Knorr-Bremse. The results produced by this calculation are therefore dependent upon the accuracy of this information and Knorr-Bremse does not take responsiblity for any resulting errors



Part list

No.	Name	Type	Characteristics	Qty.
1	Coupling head	KU1...	-	1
2	Brake Chamber	BPW	-	4
3	Trailer EBS G2	ES206.	-	1
4	Electronic Module Premi	User data	-	1
5	Spring Brake Actuator	BPW	-	6

Calculation pressure [bar]: 6.5
Database version: 13.0.32

System components

No.	Name	Type	Characteristics
1	Coupling head	KU1...	-
2	Brake Chamber 16" stroke: 60	BPW	BC 0055.2 26/11/2008
3	Brake Chamber 16" stroke: 60	BPW	BC 0055.2 26/11/2008
4	Trailer EBS G2	ES206.	Sensors on axle 3
5	Brake Chamber 16" stroke: 60	BPW	BC 0055.2 26/11/2008
6	Brake Chamber 16" stroke: 60	BPW	BC 0055.2 26/11/2008
7	Electronic Module Premium	ES2071	-
8	Spring Brake Actuator 14/24" stroke: 61/61	BPW	BC 0056.2 / BC 0056.2 27/11/2008
9	Spring Brake Actuator 14/24" stroke: 61/61	BPW	BC 0056.2 / BC 0056.2 27/11/2008
10	Spring Brake Actuator 14/24" stroke: 61/61	BPW	BC 0056.2 / BC 0056.2 27/11/2008
11	Spring Brake Actuator 14/24" stroke: 61/61	BPW	BC 0056.2 / BC 0056.2 27/11/2008
12	Spring Brake Actuator 14/24" stroke: 61/61	BPW	BC 0056.2 / BC 0056.2 27/11/2008
13	Spring Brake Actuator 14/24" stroke: 61/61	BPW	BC 0056.2 / BC 0056.2 27/11/2008

Axle identifiers

Axle	Axle identifier	Brake identifier	Axle load identifier	Test report identifier
Axle 1				ID4-361-041-08
Axle 2				ID4-361-041-08
Axle 3				ID4-361-041-08
Axle 4				ID4-361-041-08
Axle 5				ID4-361-041-08

Calculation pressure [bar]: 6.5

Database version: 13.0.32

Service brake Laden vehicle

Coupling head pres. [bar]	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Deceleration [m/s^2]	0.00	0.34	0.90	1.45	2.00	2.55	3.10	3.65	4.20	4.75	5.30	5.85	6.40	6.95	7.50
Braking rate [%]	0.00	3.51	9.14	14.75	20.36	25.97	31.58	37.18	42.78	48.39	54.00	59.61	65.22	70.82	76.43
Axle 1 actuator pres. [bar]	0.2	0.78	1.28	1.78	2.29	2.79	3.29	3.79	4.29	4.79	5.3	5.8	6.3	6.8	7.3
Axle 1 braking torque [kNm]	0.00	1.18	2.93	4.67	6.42	8.17	9.92	11.66	13.41	15.16	16.91	18.66	20.40	22.15	23.90
Axle 1 braking force [kN]	0.00	2.80	6.95	11.10	15.25	19.41	23.56	27.70	31.86	36.01	40.16	44.32	48.47	52.61	56.77
Axle 1 adhesion utilised	0.00	0.04	0.10	0.16	0.21	0.26	0.31	0.35	0.39	0.43	0.46	0.50	0.53	0.56	0.59
Axle 2 actuator pres. [bar]	0.2	0.78	1.28	1.78	2.29	2.79	3.29	3.79	4.29	4.79	5.3	5.8	6.3	6.8	7.3
Axle 2 braking torque [kNm]	0.00	1.18	2.93	4.67	6.42	8.17	9.92	11.66	13.41	15.16	16.91	18.66	20.40	22.15	23.90
Axle 2 braking force [kN]	0.00	2.80	6.95	11.10	15.25	19.41	23.56	27.70	31.86	36.01	40.16	44.32	48.47	52.61	56.77
Axle 2 adhesion utilised	0.00	0.04	0.10	0.16	0.21	0.26	0.31	0.35	0.39	0.43	0.46	0.50	0.53	0.56	0.59
Axle 3 actuator pres. [bar]	0.2	0.8	1.26	1.73	2.19	2.65	3.12	3.58	4.04	4.51	4.97	5.44	5.9	6.36	6.83
Axle 3 braking torque [kNm]	0.00	0.76	2.08	3.38	4.69	5.99	7.30	8.60	9.91	11.21	12.52	13.82	15.13	16.43	17.74
Axle 3 braking force [kN]	0.00	1.81	4.93	8.03	11.13	14.23	17.33	20.44	23.53	26.63	29.73	32.83	35.93	39.03	42.13
Axle 3 adhesion utilised	0.00	0.03	0.08	0.14	0.20	0.26	0.32	0.40	0.47	0.55	0.64	0.73	0.83	0.94	1.05
Axle 4 actuator pres. [bar]	0.2	0.8	1.26	1.73	2.19	2.65	3.12	3.58	4.04	4.51	4.97	5.44	5.9	6.36	6.83
Axle 4 braking torque [kNm]	0.00	0.76	2.08	3.38	4.69	5.99	7.30	8.60	9.91	11.21	12.52	13.82	15.13	16.43	17.74
Axle 4 braking force [kN]	0.00	1.81	4.93	8.03	11.13	14.23	17.33	20.44	23.53	26.63	29.73	32.83	35.93	39.03	42.13
Axle 4 adhesion utilised	0.00	0.03	0.08	0.14	0.20	0.26	0.32	0.40	0.47	0.55	0.64	0.73	0.83	0.94	1.05
Axle 5 actuator pres. [bar]	0.2	0.8	1.26	1.73	2.19	2.65	3.12	3.58	4.04	4.51	4.97	5.44	5.9	6.36	6.83
Axle 5 braking torque [kNm]	0.00	0.76	2.08	3.38	4.69	5.99	7.30	8.60	9.91	11.21	12.52	13.82	15.13	16.43	17.74
Axle 5 braking force [kN]	0.00	1.81	4.93	8.03	11.13	14.23	17.33	20.44	23.53	26.63	29.73	32.83	35.93	39.03	42.13
Axle 5 adhesion utilised	0.00	0.03	0.08	0.14	0.20	0.26	0.32	0.40	0.47	0.55	0.64	0.73	0.83	0.94	1.05

Service brake Unladen vehicle

Coupling head pres. [bar]	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Deceleration [m/s^2]	0.00	0.63	1.60	2.57	3.53	4.49	5.45	6.41	7.37	8.33	9.29	10.25	11.21	12.18	13.14
Braking rate [%]	0.00	6.46	16.33	26.20	35.96	45.78	55.58	65.35	75.15	84.94	94.73	104.53	114.30	124.12	133.92
Axle 1 actuator pres. [bar]	0.2	0.59	0.79	0.98	1.17	1.36	1.55	1.74	1.93	2.13	2.32	2.51	2.7	2.89	3.08
Axle 1 braking torque [kNm]	0.00	0.53	1.20	1.86	2.53	3.20	3.86	4.53	5.20	5.86	6.53	7.20	7.86	8.53	9.20
Axle 1 braking force [kN]	0.00	1.27	2.84	4.43	6.01	7.60	9.18	10.76	12.34	13.93	15.51	17.09	18.67	20.26	21.85
Axle 1 adhesion utilised	0.00	0.08	0.17	0.26	0.34	0.42	0.49	0.56	0.62	0.68	0.74	0.79	0.85	0.90	0.94
Axle 2 actuator pres. [bar]	0.2	0.59	0.79	0.98	1.17	1.36	1.55	1.74	1.93	2.13	2.32	2.51	2.7	2.89	3.08
Axle 2 braking torque [kNm]	0.00	0.53	1.20	1.86	2.53	3.20	3.86	4.53	5.20	5.86	6.53	7.20	7.86	8.53	9.20
Axle 2 braking force [kN]	0.00	1.27	2.84	4.43	6.01	7.60	9.18	10.76	12.34	13.93	15.51	17.09	18.67	20.26	21.85
Axle 2 adhesion utilised	0.00	0.08	0.17	0.26	0.34	0.42	0.49	0.56	0.62	0.68	0.74	0.79	0.85	0.90	0.94
Axle 3 actuator pres. [bar]	0.2	0.64	0.83	1.03	1.23	1.42	1.62	1.82	2.01	2.21	2.41	2.6	2.8	3	3.19
Axle 3 braking torque [kNm]	0.00	0.30	0.87	1.43	1.98	2.53	3.09	3.64	4.19	4.74	5.30	5.85	6.40	6.96	7.51
Axle 3 braking force [kN]	0.00	0.72	2.06	3.39	4.70	6.01	7.33	8.64	9.96	11.27	12.58	13.90	15.21	16.52	17.84
Axle 3 adhesion utilised	0.00	0.05	0.16	0.27	0.38	0.50	0.63	0.76	0.91	1.06	1.23	1.41	1.60	1.81	2.03
Axle 4 actuator pres. [bar]	0.2	0.64	0.83	1.03	1.23	1.42	1.62	1.82	2.01	2.21	2.41	2.6	2.8	3	3.19
Axle 4 braking torque [kNm]	0.00	0.30	0.87	1.43	1.98	2.53	3.09	3.64	4.19	4.74	5.30	5.85	6.40	6.96	7.51
Axle 4 braking force [kN]	0.00	0.72	2.06	3.39	4.70	6.01	7.33	8.64	9.96	11.27	12.58	13.90	15.21	16.52	17.84
Axle 4 adhesion utilised	0.00	0.05	0.16	0.27	0.38	0.50	0.63	0.76	0.91	1.06	1.23	1.41	1.60	1.81	2.03
Axle 5 actuator pres. [bar]	0.2	0.64	0.83	1.03	1.23	1.42	1.62	1.82	2.01	2.21	2.41	2.6	2.8	3	3.19
Axle 5 braking torque [kNm]	0.00	0.30	0.87	1.43	1.98	2.53	3.09	3.64	4.19	4.74	5.30	5.85	6.40	6.96	7.51
Axle 5 braking force [kN]	0.00	0.72	2.06	3.39	4.70	6.01	7.33	8.64	9.96	11.27	12.58	13.90	15.21	16.52	17.84
Axle 5 adhesion utilised	0.00	0.05	0.16	0.27	0.38	0.50	0.63	0.76	0.91	1.06	1.23	1.41	1.60	1.81	2.03

Miscellaneous

Coupling head pressure where z = 22.5% (laden case)

Pressure[bar] 2.68

Brake chamber pressure where z = 22.5% (laden case)

Pressure[bar] Axle1 : 2.49 Axle2 : 2.49 Axle3 : 2.38 Axle4 : :

Automatic braking performance (laden case) at 6.0 bar

Deceleration [m/s^2] : 4.13

Braking rate [%] 42.1

Vehicle performance in case of a load sensing device control failure (laden case) at 6.5 bar

Front axle group		**Rear axle group**	
Deceleration [m/s^2] :	6.40	Deceleration [m/s^2] :	6.40
Braking rate [%]	65.2	Braking rate [%]	65.2

Parking brake

	Laden vehicle		Unladen vehicle	
Max.slope [%]	Up	Down	Up	Down
(must be > 18%)	**-50.57**	**39.90**	**-52.88**	**41.34**

(max.spring force = 5809 N at 30 mm strok
Required spring force at 18% slope

Axle 1 [N]	-	-
Axle 2 [N]	-	-
Axle 3 [N]	2291	646
Axle 4 [N]	2291	646
Axle 5 [N]	2291	646

Trailer EBS parameters

Coupling head pressure [bar]	Brake chamber pressure [bar]
Pneu:0.7 CAN:0.7	0.52

	Unladen Pneu. / CAN	Laden Pneu. / CAN
1.6	0.87 / 0.83	1.35 / 1.25
6.5	2.8 / 2.5	5.9 / 5.2
Low-range comp. at 1.6 bar	0 / 0	0 / 0
High-range comp. at 4.5 bar	0 / 0	0 / 0

Air suspension	Unladen	Laden
Axle boogie load [kg]	4200	19200
voltages [V]	-	-
pressures [bar]	0.5	3.8

Pressure limitation [bar] -

3rd modulator logic is LS characteristic

Slip differential [%] - **from** - **[bar]**

Axle and Tyre information

Number of axles: 5

Dynamic tyre radius [cm]: 42.1

EMP parameters:

Coupling head pressure [bar]	Brake chamber pressure [bar]
Pneu:0.7 CAN:0.7	0.48

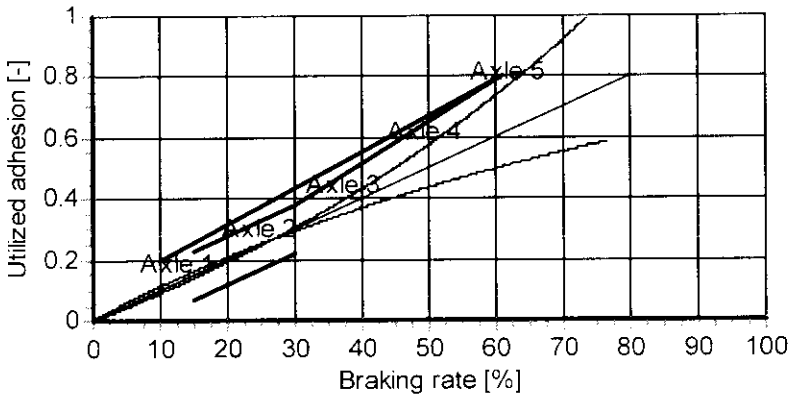
	Unladen Pneu. / CAN	Laden Pneu. / CAN
1.6	0.82 / 0.78	1.38 / 1.27
6.5	2.7 / 2.4	6.3 / 5.6
Low-range comp. at 1.6 bar	0 / 0	0 / 0
High-range comp. at 4.5 bar	0 / 0	0 / 0

Air suspension	Unladen	Laden
Axle boogie load [kg]	3200	12800
voltages [V]	-	-
pressures [bar]	0.6	3.8

Calculation pressure [bar]: 6.5

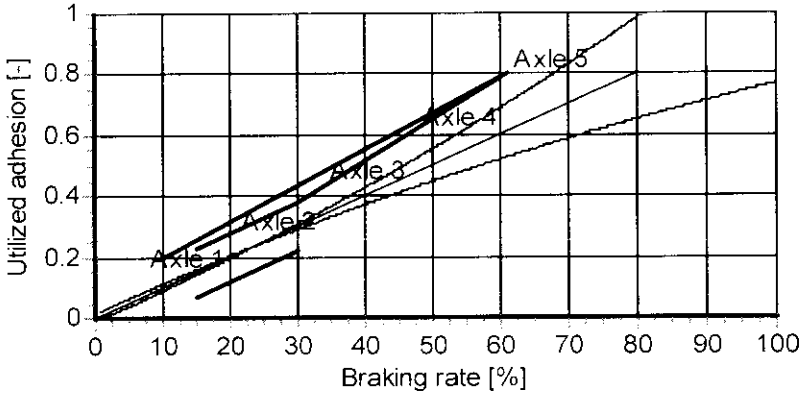
Database version: 13.0.32

Laden vehicle - adhesion utilisation



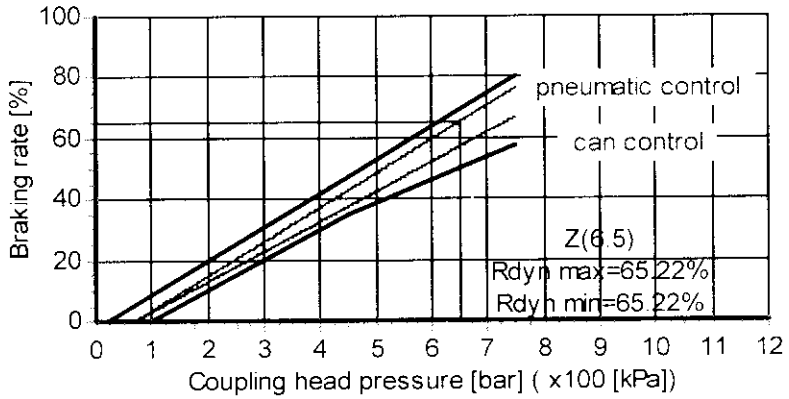
(With anti-lock system the adhesion requirements do not have to be fulfilled.)

Unladen vehicle - adhesion utilisation

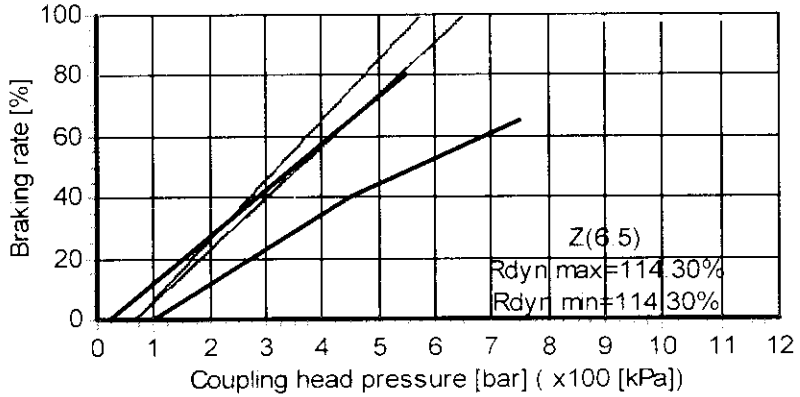


(With anti-lock system the adhesion requirements do not have to be fulfilled.)

Laden vehicle - compatibility with Pneumatic and CAN control



Unladen vehicle - compatibility with Pneumatic and CAN control



Calculation pressure [bar]: 6.5

Database version: 13.0.32

NOTICE TO VEHICLE OPERATOR

THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED AND FITTED IN ACCORDANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015: SCHEDULE 5.
IF THIS VEHICLE IS OPERATED IN CONJUNCTION WITH NON-CODED VEHICLES, THERE MAY BE OPERATIONAL FACTORS WHICH NEED TO BE TAKEN INTO CONSIDERATION.

PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION.

EXCERPT FROM NZ HEAVY VEHICLE BRAKE RULE 32015

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 the rule : and
(b) complies with Land Transport Rule: Vehicle Repair 1998.

10.3 **Responsibilities of modifiers**
A person who modifies a vehicle so as to affect the braking performance of the vehicle must:

(a) ensure that the modification does not prevent the vehicle from complying with this rule: and
(b) notify the operator that the vehicle must be inspected and. If necessary. Certified by a person or organisation appointed to carry out specialist inspection and certification of heavy vehicle brakes.

10.5 **Responsibilities of manufactures and retailers**
A person may manufacture, stock, or offer for sale a brake or its components. Intended for fitting to a vehicle to be used on New Zealand roads, only if that brake or component:

(a) complies with this Rule: and
(b) *does not prevent a repair to a vehicle, its structure, systems, components and equipment from complying with this Rule.*

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 Transport Efficiecies Warranty policy. Customers have the right to appeal to the Land Transport Safety Authority if dissatisfied with a Compliance issue. (refer LTNZ Deed Of Appointment Para 47.4) NZTA **Helpdesk 0800 699 000**

C J Clarke (CJC HVEK)

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an **E**lectronic **B**rake **S**ystem.

To comply with the New Zealand Heavy Vehicle Brake RULE, 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.

NB;

If this vehicle is fitted with mechanical (spring) suspension, the load sense valving has been adjusted to suit exactly the performance of the original springs. In event of replacement being required, original equipment springs **must** be fitted to ensure correct ongoing operation. Fitment of non genuine springs can affect operation and therefore, compliance.

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

C J Clarke (CJC HVEK)