

MANUFACTURER **ALSTOM** Ubunye
 Marievale Road, Vosterkroon, Nigel, 1490
CUSTOMER Gibela
CONTRACT
PROJECT PRASA

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE **TRAILER BOGIE TBEXT**
DTR0009706803
SERIAL NUMBER **TBEXT 610**

CONTENTS

- Compliance certificate.....	Page 1/2	<input checked="" type="checkbox"/>
- List of deviations and missing parts.....	Page 2/2	<input checked="" type="checkbox"/>
- Products traceability.....	1 page	<input checked="" type="checkbox"/>
- Load test report.....	1 page	<input checked="" type="checkbox"/>
- Motor certificate.....	8 pages	<input checked="" type="checkbox"/>

COMPLIANCE CERTIFICATE

We hereby declare, barring exceptions, reservations, or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and that, after completions of testing and verification, they completely satisfy all specified requirements and applicable standards and regulations.

CONSTRUCTOR APPROVAL	
DATE	10 May 2024
NAME	Kwababana Hlumisa
VISA	

I - Deviation / Derogation

II - Bogie configuration

B Bogie index



ALSTOM UBUNYE

PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBEXT	DTR0009706803	610		Alstom - Ubunye
Trailer Bogie Frame	AR000000176083	7885		Alstom - Ubunye
Wheelset (Front)	AR0000000177020	701645		Alstom - Ubunye
Axle	AR000000174678	108036	01232169	Jinxi
Wheel (Right)	AR000000174670	063	10-23	Bonatrans
Wheel (Left)	AR0000000174670	062	10-23	Bonatrans
Wheelset (Rear)	AR000000185203	701646		Alstom - Ubunye
Axle	AR000000174678	101471	01230040	Jinxi
Wheel (Right)	AR000000174670	023	10-23	Bonatrans
Wheel (Left)	AR000000174670	045	10-23	Bonatrans
Pneumatic suspension (Right)	AR000000176127	2401136		TMT
Pneumatic suspension (Left)	AR000000176127	2401035		TMT
Brake unit with PB (Right rear)	AR000000174544	1757	05-24	Wabtec
Brake unit without PB (Right front)	AR000000175185	5306	05-24	Wabtec
Brake unit without PB (Left Front)	AR000000175185	5299	05-24	Wabtec
Brake unit without PB (left rear)	AR000000175185	5297	05-24	Wabtec

DATE
5/10/2024

DATE VALIDATION

RESPONSABLE VALIDATION

PRESSING REPORT

PRASA ALSTOM

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

PROJECT:

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 39.00
SHIM THICK [mm]		36.70
WEIGHT ON WHEEL [Kg]	Q2	5367

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.65	+	4.00	=
			591.65
			MIN MAX
			590.00 592.50

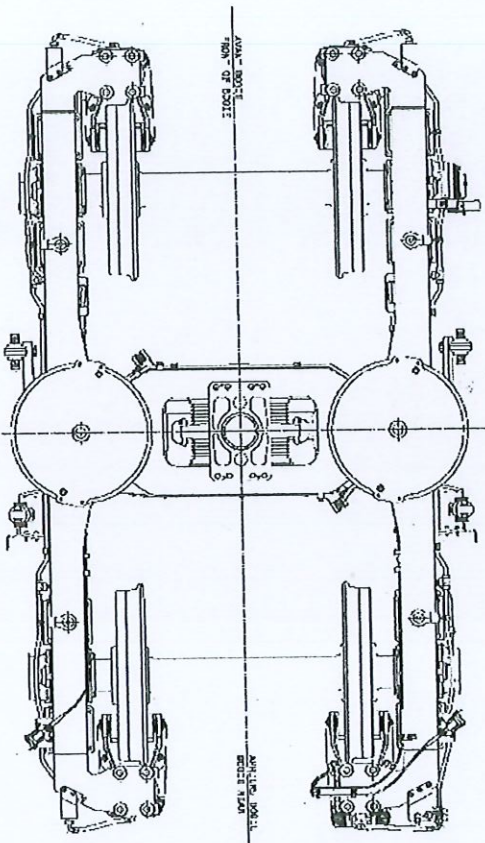
RIGHT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 39.00
SHIM THICK [mm]		36.99
WEIGHT ON WHEEL [Kg]	Q4	5484

BOGIE SERIAL N°	610
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21834
COMPLETE BOGIE WEIGHT [Kg]	4612
OPERATOR	DATE
TYRON	5/10/2024

OPERATOR STAMP

DC-BFL2



LEFT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 39.00
SHIM THICK [mm]		36.76
WEIGHT ON WHEEL [Kg]	Q1	5523

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.81	+	5.00	=
			591.81
			MIN MAX
			590.00 592.50

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 39.00
SHIM THICK [mm]		36.60
WEIGHT ON WHEEL [Kg]	Q3	5461

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN MAX	0.00 1.43
LOAD DIFFERENCE ON REAR AXLE [%]	MIN MAX	0.00 -0.21
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN MAX	0.00 -0.25
LOAD DIFFERENCE ON RAILS [%]	MIN MAX	0.00 0.61
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN MAX	0.00 -0.82

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CUSTOMER **Gibela**

CONTRACT

PROJECT **PRASA**

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE **TRAILER BOGIE TBINT**

DTR0009706802

SERIAL NUMBER **TBINT 616**

CONTENTS

- Compliance certificate.....	Page 1/2	<input checked="" type="checkbox"/>
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CONSTRUCTOR APPROVAL	
DATE	10 May 2024
NAME	Kwababana Hlumisa
VISA	

I - Deviation / Derogation

II - Bogie configuration

B Bogie index



ALSTOM UBUNYE PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBINT	DTR0009706802	616		Alstom - Abunye
Trailer Bogie Frame	AR000000176083	7888		Alstom - Ubunye
Wheelset (Front)	AR0000000177020	701647		Alstom - Ubunye
Axle	AR000000174678	101440	D1230044	Jinxi
Wheel (Right)	AR000000174670	021	10-23	Bonatrans
Wheel (Left)	AR0000000174670	066	10-23	Bonatrans
Wheelset (Rear)	AR000000185203	701648		Alstom Ubunye
Axle	AR000000174678	101442	D1230044	Jinxi
Wheel (Right)	AR000000174670	072	10-23	Bonatrans
Wheel (Left)	AR000000174670	028	10-23	Bonatrans
Pneumatic suspension (Right)	AR000000176127	2401033		TMT
Pneumatic suspension (Left)	AR000000176127	2402022		TMT
Brake unit with PB (Right rear)	AR000000174544	1763	05-24	WABTEC
Brake unit without PB (Right front)	AR000000175185	5328	05-24	WABTEC
Brake unit without PB (Left Front)	AR000000175185	5326	05-24	WABTEC
Brake unit without PB (left rear)	AR000000175185	5327	05-24	WABTEC

PRESSING REPORT

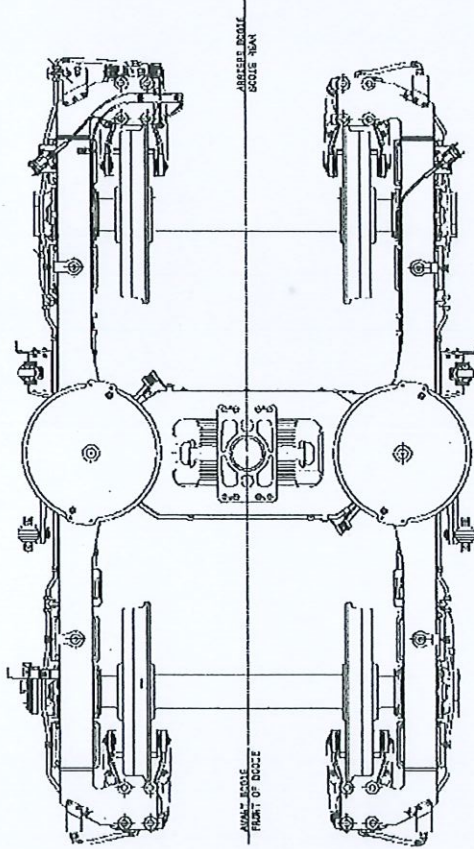
5/10/2024	RESPONSABLE VALIDATION		PRASA	INSTRUCTION SHEET:	LOAD TEST : TBINT
DATE VALIDATION			PROJECT: PRASA		
			FAMILY:		

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	39.06
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q4		4585

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
588.74	+	0.00	=
		588.74	MIN 587.50
			MAX 590.00

RIGHT JACK LOAD
6695 Kg

BOGIE SERIAL N°	616
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [kg]	18340
COMPLETE BOGIE WEIGHT [Kg]	4602
OPERATOR	EDWARD
DATE	5/10/2024



OPERATOR STAMP
BFI-21

LOAD DIFFERENCE ON FRONT AXLE [%]	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN -2.00	MAX 2.00	0.58
LOAD DIFFERENCE ON FRONT AXLE AND REAR AXLE [%]	MIN -2.00	MAX 2.00	0.26
LOAD DIFFERENCE ON RAILS [%]	MIN -2.00	MAX 2.00	-0.27
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00	MAX 2.00	0.42
	MIN -2.00	MAX 2.00	-0.16

LEFT JACK LOAD
6695 Kg

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	38.82
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q1		4599

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
588.71	+	0.00	=
		588.71	MIN 587.50
			MAX 590.00
DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]			
0.03			
THEORETICAL [mm]			
MIN -1.00			
MAX 1.00			

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	37.97
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q3		4609