



**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 621**

### 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 June 2024
NAME	Kwababana Hlumisa
VISA	

**I - Deviation / Derogation****II - Bogie configuration**

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ALSTOM UBUNYE

## PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBEXT	DTR0009706803	621		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 901		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1689		Alstom - Ubunye
Axle	AR00000174678	109288	12176729	Jinxi
Wheel (Right)	AR00000174670	151	03-24	Bonatrans
Wheel (Left)	AR000000174670	140	03-24	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1690		Alstom Ubunye
Axle	AR00000174678	114503	12376733	Jinxi
Wheel (Right)	AR00000174670	026	03-24	Bonatrans
Wheel (Left)	AR00000174670	150	03-24	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2403035		TMT
Pneumatic suspension (Left)	AR00000176127	2403027		TMT
Brake unit with PB (Right rear)	AR00000174544	1833	06-24	Wabtec
Brake unit without PB (Right front )	AR00000175185	5517	06-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5518	06-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5520	06-24	Wabtec



PRESSING REPORT

6/8/2024

DATE VALIDATION

RESPONSABLE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

PROJECT:

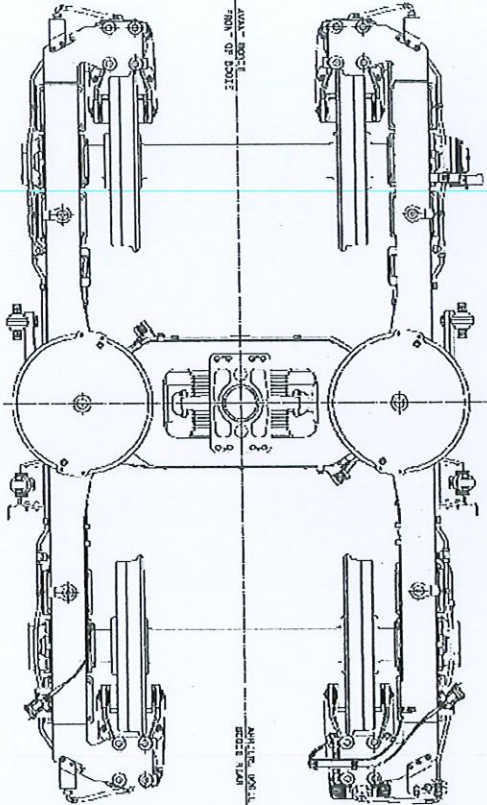
	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	37.00 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q2	5353

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.26	+	3.00	= 590.26
			MIN 590.00 MAX 592.50

RIGHT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	37.80 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	5345

BOGIE SERIAL N°	621
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21910
COMPLETE BOGIE WEIGHT [Kg]	4672
OPERATOR	DATE
BAFANA	6/8/2024



OPERATOR STAMP
DC-371-6

LEFT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	37.10 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	5324

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.64	+	4.00	= 590.64
			MIN 590.00 MAX 592.50

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	37.30 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	5381

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00 MAX 0.00	1.57 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00 MAX 0.00	-1.50 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	-0.22 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.03 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	-1.54 ✓

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

### MANUFACTURER'S DELIVERY DOCUMENT


**PRODUCT TYPE** TRAILER BOGIE type TBINT  
 DTR0009706802  
**SERIAL NUMBER** TBINT - 627

#### 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"/>

#### COMPLIANCE CERTIFICATE

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CONSTRUCTOR APPROVAL	
DATE	08 June 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	627		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	916		Alstom - Ubunye
Wheelset (Front)	AR000000177020	1691		Alstom - Ubunye
Axle	AR00000174678	114483	121 76 733	Jinxi
Wheel (Right)	AR00000174670	014	03.24	Bonatrans
Wheel (Left)	AR000000174670	012	03.24	Bonatrans
Wheelset (Rear)	AR00000185203	1692		Alstom Ubunye
Axle	AR00000174678	107268	12176717	Jinxi
Wheel (Right)	AR00000174670	093	07.23	Bonatrans
Wheel (Left)	AR00000174670	092	07.23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	231118		TMT
Pneumatic suspension (Left)	AR00000176127	2311125		TMT
Brake unit with PB (Right rear)	AR00000174544	1822	05.24	WABTEC
Brake unit without PB (Right front )	AR00000175185	5502	05.24	WABTEC
Brake unit without PB (Left Front)	AR00000175185	5499	05.24	WABTEC
Brake unit without PB (left rear)	AR00000175185	5495	05.24	WABTEC



DATE  
6/7/2024

PRESSING REPORT

DATE VALIDATION		RESPONSABLE VALIDATION		PRASA	
INSTRUCTION SHEET:		LOAD TEST :		TBINT	
FAMILY:		PROJECT:		PRASA	

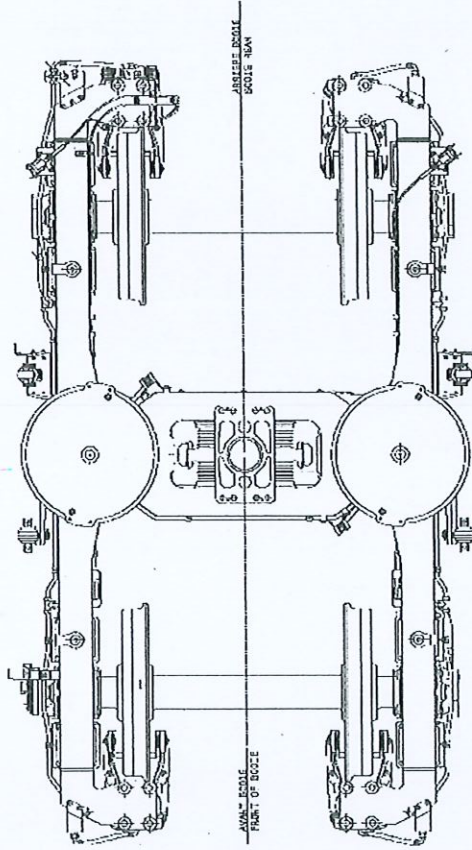
	WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
		MIN	MAX	
GAP PRIMARY SUSPENSION [mm]		MIN 34.50	MAX 40.50	38.10 ✓
SHIM THICK [mm]				
WEIGHT ON WHEEL [Kg]		Q4		4621

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.74	+	1.00 =	MIN 587.50 MAX 590.00

RIGHT JACK LOAD
6696 Kg

BOGIE SERIAL N°	627
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18354
COMPLETE BOGIE WEIGHT [Kg]	4610
OPERATOR	EDWARD
DATE	6/7/2024

OPERATOR STAMP
BFI-21



	LOAD DIFFERENCE ON FRONT AXLE [%]	THEORETICAL		MEASURED
		MIN	MAX	
LOAD DIFFERENCE ON REAR AXLE [%]		MIN -2.00	MAX 2.00	1.68 ✓
LOAD DIFFERENCE ON FRONT AXLE AND REAR AXLE [%]		MIN -2.00	MAX 2.00	-0.50 ✓
LOAD DIFFERENCE ON RAILS [%]		MIN -2.00	MAX 2.00	-0.21 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]		MIN -2.00	MAX 2.00	0.59 ✓
		MIN -2.00	MAX 2.00	-1.09 ✓

LEFT JACK LOAD
6695 Kg

	WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
		MIN	MAX	
GAP PRIMARY SUSPENSION [mm]		MIN 34.50	MAX 40.50	37.47 ✓
SHIM THICK [mm]				
WEIGHT ON WHEEL [Kg]		Q3		4575

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.64	+	0.00 =	MIN 587.50 MAX 590.00

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	0.10
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	37.94 ✓
SHIM THICK [mm]				
WEIGHT ON WHEEL [Kg]		Q1		4656