



**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 626**

#### 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	24 June 2024
NAME	Kwababana Hlumisa
VISA	

<b>ALSTOM</b> TRANSPORT	DELIVERY STATUS	PRASA TBEXT 626
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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	626		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 912		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1712		Alstom - Ubunye
Axle	AR00000174678	102038	D1230038	Jinxi
Wheel (Right)	AR00000174670	135	07-23	Bonatrans
Wheel (Left)	AR000000174670	101	07-23	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1711		Alstom Ubunye
Axle	AR00000174678	114669	12176732	Jinxi
Wheel (Right)	AR00000174670	043	03-24	Bonatrans
Wheel (Left)	AR00000174670	019	03-24	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2404004		TMT
Pneumatic suspension (Left)	AR00000176127	2404034		TMT
Brake unit with PB (Right rear)	AR00000174544	1843	06-24	Wabtec
Brake unit without PB (Right front )	AR00000175185	5601	06-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5599	06-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5608	06-24	Wabtec



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	35.80 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q2	5399

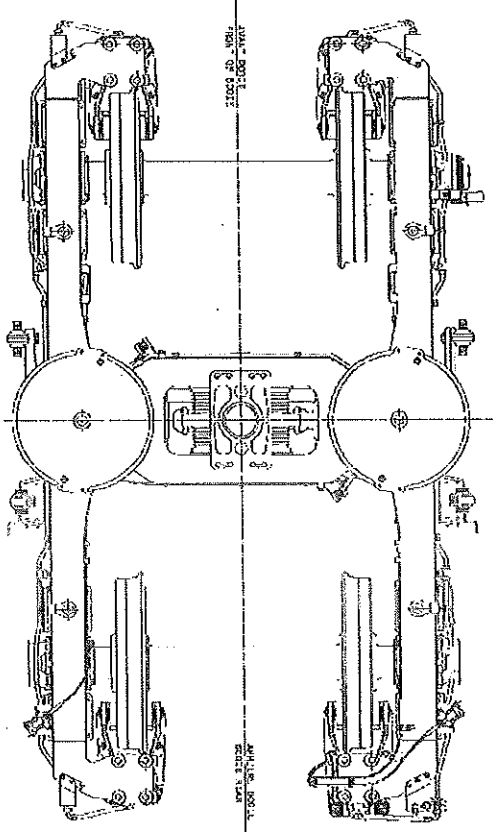
SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM[mm]	THEORETICAL [mm]
585.46	+	5.00 =	590.46 MIN 590.00 MAX 592.50

RIGHT JACK LOAD	
8452	Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	36.00 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q4	5504

BOGIE SERIAL N°	626
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [kg]	21917
COMPLETE BOGIE WEIGHT [kg]	4673
OPERATOR	DATE
BAFANA	6/20/2024

OPERATION STAND	DC-BFI-6
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LEFT JACK LOAD	
8452	Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	35.40 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q1	5578

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
584.88	+	6.00 =	590.88 MIN 590.00 MAX 592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		THEORETICAL [mm]
-0.42	✓	MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00 MAX 0.00	1.63 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00 MAX 0.00	-0.60 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	0.16 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.52 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	-1.12 ✓

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	35.10 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q3	5438



ALSTOM UBUNYE

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 - 633


#### 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"/>

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#### CONSTRUCTOR APPROVAL

DATE	24 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	633		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T0 920		Poland -MZ
Wheelset (Front)	AR000000177020	T0 1713		Alstom - Ubunye
Axle	AR00000174678	108038	1232169	Jinxi
Wheel (Right)	AR00000174670	050	03.24	Bonatrans
Wheel (Left)	AR000000174670	039	03.24	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1714		Alstom - Ubunye
Axle	AR00000174678	101446	1230044	Jinxi
Wheel (Right)	AR00000174670	033	03.24	Bonatrans
Wheel (Left)	AR00000174670	032	03.24	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2402011		TMT
Pneumatic suspension (Left)	AR00000176127	2402001		TMT
Brake unit with PB (Right rear)	AR00000174544	1849	06.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5573	06.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5572	06.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5569	06.24	Wabtec

QC: 018

Revision: 1.0



DATE  
6/24/2024

RESPONSABLE VALIDATION

PRASA  
INSTRUCTION SHEET:  
FAMILY:

LOAD TEST: TBINT  
PROJECT: PRASA

# PRESSING REPORT

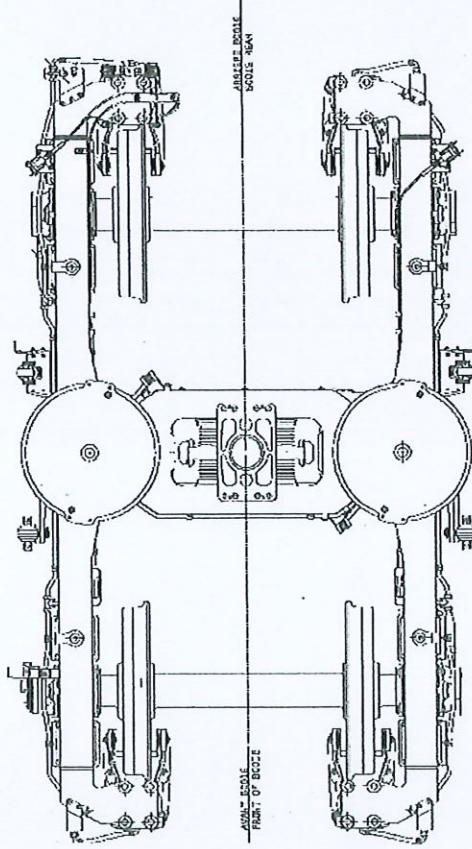
WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	37.06 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q2		4593

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.20	+	2.00 =	MIN 587.50 MAX 590.00

RIGHT JACK LOAD	Kg
6695	

BOGIE SERIAL N°	633
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18381
COMPLETE BOGIE WEIGHT [Kg]	4630
OPERATOR	EDWARD
DATE	6/24/2024

OPERATOR STAMP	BFI-21
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LEFT JACK LOAD	Kg
6695	

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	37.40 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q1		4595

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
584.99	+	3.00 =	MIN 587.99 MAX 590.00
DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm] ✓			
0.21			MIN -1.00 MAX 1.00

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	36.89 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q4		4613

LOAD DIFFERENCE ON FRONT AXLE [%]	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN -2.00	MAX 2.00	0.13 ✓
LOAD DIFFERENCE ON FRONT AXLE AND REAR AXLE [%]	MIN -2.00	MAX 2.00	-0.25 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN -2.00	MAX 2.00	-0.14 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00	MAX 2.00	-0.06 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00	MAX 2.00	-0.19 ✓

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	36.18 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q3		4590