



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 624**

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

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	624		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 919		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1701		Alstom - Ubunye
Axle	AR00000174678	102078	D1230038	Jinxi
Wheel (Right)	AR00000174670	103	07-23	Bonatrans
Wheel (Left)	AR000000174670	072	05-23	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1702		Alstom Ubunye
Axle	AR00000174678	102108	D1230038	Jinxi
Wheel (Right)	AR00000174670	082	07-23	Bonatrans
Wheel (Left)	AR00000174670	104	07-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2311131		TMT
Pneumatic suspension (Left)	AR00000176127	2312064		TMT
Brake unit with PB (Right rear)	AR00000174544	1812	05-24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5435	05-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5434	05-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5437	05-24	Wabtec

PRESSING REPORT

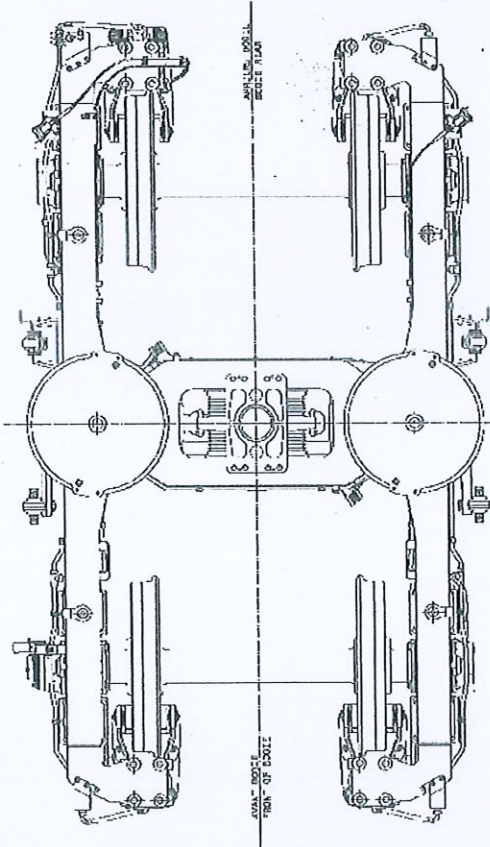
6/14/2024		RESPONSABLE VALIDATION		PRASA	
DATE VALIDATION		INSTRUCTION SHEET:		LOAD TEST : TBEXT	
		FAMILY:		PROJECT:	

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	37.08 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q4		5550

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.28	+	4.00 =	MIN 590.00 MAX 592.50

RIGHT JACK LOAD
8452 Kg

BOGIE SERIAL N°	624
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21847
COMPLETE BOGIE WEIGHT [Kg]	4617
OPERATOR	EDWARD
DATE	6/14/2024
OPERATOR STAMP	BFI-21



LOAD DIFFERENCE ON FRONT AXLE [%]	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00	MAX 0.00	1.07 ✓
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00	MAX 0.00	-0.55 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00	MAX 0.00	-0.13 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00	MAX 0.00	0.26 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00	MAX 0.00	-0.81 ✓

LEFT JACK LOAD
8453 Kg

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.29	+	3.00 =	MIN 590.29 MAX 592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	✓
-0.01	MIN -1.00 MAX 1.00

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	37.25 ✓
SHIM THICK [mm]	Q3		
WEIGHT ON WHEEL [Kg]			5489

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	36.85 ✓
SHIM THICK [mm]	Q1		
WEIGHT ON WHEEL [Kg]			5564



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CUSTOMER **Gibela**

CONTRACT

PROJECT **PRASA**

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE **TRAILER BOGIE TBINT**

DTR0009706802

SERIAL NUMBER **TBINT 630**

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COMPLIANCE CERTIFICATE

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CONSTRUCTOR APPROVAL	
DATE	24 June 2024
NAME	Kwababana Hlumisa
VISA	

ALSTOM TRANSPORT	DELIVERY STATUS	PRASA TBINT 630
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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 TBINT	DTR0009706802	629		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	7918		Alstom - Ubunye
Wheelset (Front)	AR000000177020	1699		Alstom - Ubunye
Axle	AR00000174678	101475	D1230044	Jinxi
Wheel (Right)	AR00000174670	099	07-23	Bonatrans
Wheel (Left)	AR000000174670	045	07-23	Bonatrans
Wheelset (Rear)	AR00000185203	1700		Alstom Ubunye
Axle	AR00000174678	101468	D1230044	Jinxi
Wheel (Right)	AR00000174670	091	07-23	Bonatrans
Wheel (Left)	AR00000174670	088	07-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2312035		TMT
Pneumatic suspension (Left)	AR00000176127	2312036		TMT
Brake unit with PB (Right rear)	AR00000174544	1838	06-24	WABTEC
Brake unit without PB (Right front)	AR00000175185	5537	06-24	WABTEC
Brake unit without PB (Left Front)	AR00000175185	5525	06-24	WABTEC
Brake unit without PB (left rear)	AR00000175185	5534	06-24	WABTEC

PRESSING REPORT

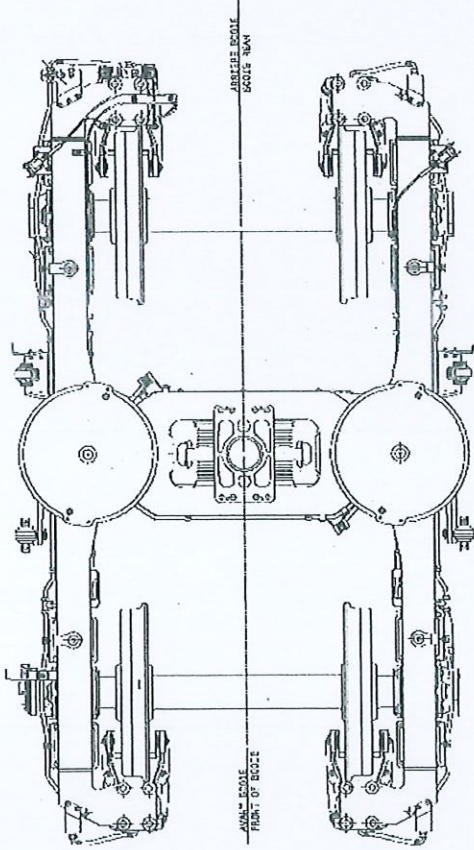
DATE 6/12/2024	RESPONSABLE VALIDATION	PRASA	LOAD TEST : TBINT
DATE VALIDATION		INSTRUCTION SHEET:	
		PROJECT: PRASA	
		FAMILY:	

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]	Q4		4623

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
588.47	+	0.00	MIN 587.50 MAX 590.00

RIGHT JACK LOAD	6695	Kg
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BOGIE SERIAL N°	629
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18350
COMPLETE BOGIE WEIGHT [Kg]	4601
OPERATOR	BAFANA
DATE	6/12/2024
OPERATOR STAMP	DC-371-6



LOAD DIFFERENCE ON FRONT AXLE [%]	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN -2.00	MAX 2.00	1.44
LOAD DIFFERENCE ON FRONT AXLE AND REAR AXLE [%]	MIN -2.00	MAX 2.00	-0.58
LOAD DIFFERENCE ON RAILS [%]	MIN -2.00	MAX 2.00	-0.19
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00	MAX 2.00	0.43
	MIN -2.00	MAX 2.00	-1.01

LEFT JACK LOAD	6695	Kg
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SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.99	+	1.00	MIN 587.99 MAX 590.00

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	0.48
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	37.50
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q1		4645

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50	MAX 40.50	37.30
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q3		4570