

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


MANUFACTURER'S DELIVERY DOCUMENT	
PRODUCT TYPE	TRAILER BOGIE type TBEXT
	DTR0009706803
SERIAL NUMBER	TBEXT - 607

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

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	03 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	607		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 886		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1635		Alstom - Ubunye
Axle	AR00000174678	114876	12176732	Jinxi
Wheel (Right)	AR00000174670	007	12.23	Bonatrans
Wheel (Left)	AR000000174670	119	11.23	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1636		Alstom Ubunye
Axle	AR00000174678	114550	12176733	Jinxi
Wheel (Right)	AR00000174670	011	12.23	Bonatrans
Wheel (Left)	AR00000174670	013	12.23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2308139		TMT
Pneumatic suspension (Left)	AR00000176127	2312133		TMT
Brake unit with PB (Right rear)	AR00000174544	1745	04.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5259	04.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5258	04.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5257	04.24	Wabtec

PRESSING REPORT

5/3/2024

DATE VALIDATION

RESPONSABLE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

PROJECT:

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 37.28 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q2	5452

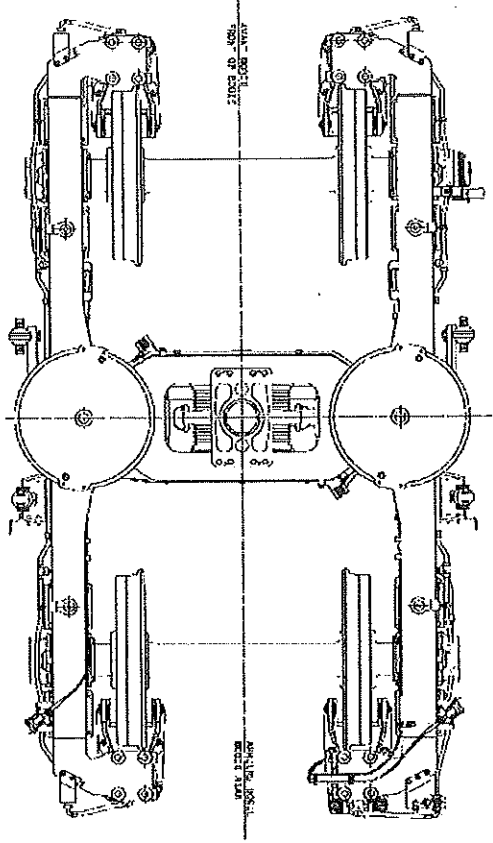
SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.36	+	3.00	= 590.36
			MIN 590.00
			MAX 592.50

RIGHT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 37.42 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q4	5430

BOGIE SERIAL N°	607
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [kg]	21853
COMPLETE BOGIE WEIGHT [kg]	4623
OPERATOR	EDWARD
DATE	5/3/2024

OPERATOR STAMP
BFI-21



	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00 MAX 0.00	0.04 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00 MAX 0.00	0.79 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	-0.17 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.41 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	0.38 ✓

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 37.21 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q1	5456

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.66	+	3.00	= 590.66
			MIN 590.00
			MAX 592.50

LEFT JACK LOAD
8452 Kg

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm] ✓			
			THEORETICAL [mm]
			MIN -1.00
			MAX 1.00
		-0.30	

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	33.00 37.40 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q3	5516

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 - 613 613

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DATE	03 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	613		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T0 882		Poland -MZ
Wheelset (Front)	AR000000177020	T0 1633		Alstom - Ubunye
Axle	AR00000174678	102068	1230038	Jinxi
Wheel (Right)	AR00000174670	001	12.23	Bonatrans
Wheel (Left)	AR000000174670	035	11.23	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1634		Alstom - Ubunye
Axle	AR00000174678	102081	1230038	Jinxi
Wheel (Right)	AR00000174670	029	11.23	Bonatrans
Wheel (Left)	AR00000174670	048	11.23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2308140		TMT
Pneumatic suspension (Left)	AR00000176127	2312134		TMT
Brake unit with PB (Right rear)	AR00000174544	1744	04.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5256	04.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5254	04.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5255	04.24	Wabtec

PRESSING REPORT

DATE VALIDATION
5/3/2024

RESPONSIBLE VALIDATION

PRASA

LOAD TEST : TBINT

INSTRUCTION SHEET:

PROJECT: PRASA

FAMILY:

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	34.50	40.50	37.64
SHIM THICK [mm]	Q4		4625
WEIGHT ON WHEEL [Kg]	Q4		4625

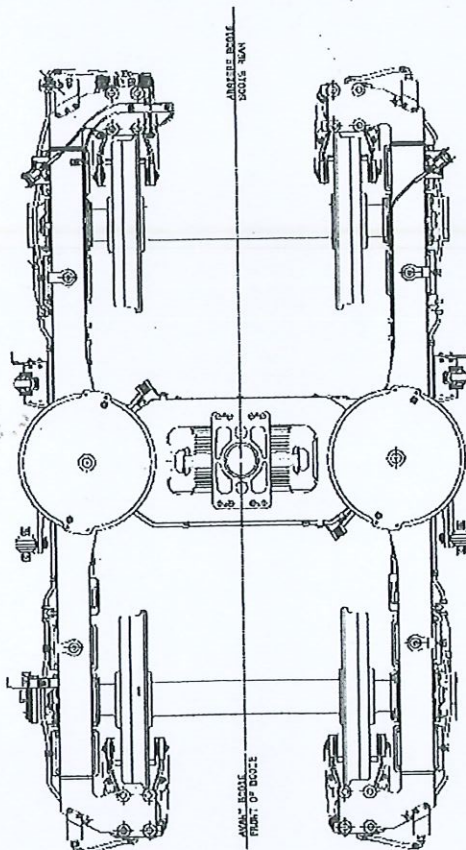
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]	
			MIN	MAX
588.39	+	0.00	588.39	590.00

RIGHT JACK LOAD	6694 Kg
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WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	34.50	40.50	37.58
SHIM THICK [mm]	Q2		4512
WEIGHT ON WHEEL [Kg]	Q2		4512

BOGIE SERIAL N°	613
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18340
COMPLETE BOGIE WEIGHT [Kg]	4626
OPERATOR	EDWARD
DATE	5/3/2024

OPERATOR STAMP
BFI-21



LEFT JACK LOAD	6694 Kg
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MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]	
			MIN	MAX
587.40	+	1.00	588.40	590.00

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

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	34.50	40.50	37.37
SHIM THICK [mm]	Q1		4634
WEIGHT ON WHEEL [Kg]	Q1		4634

LOAD DIFFERENCE ON FRONT AXLE [%]	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON REAR AXLE [%]	-2.00	2.00	1.33
LOAD DIFFERENCE ON FRONT AXLE AND REAR AXLE [%]	-2.00	2.00	-0.60
LOAD DIFFERENCE ON RAILS [%]	-2.00	2.00	-0.27
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	-2.00	2.00	0.37
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	-2.00	2.00	-0.97

WHEEL DIAMETER [mm]	THEORETICAL		MEASURED
	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	34.50	40.50	36.62
SHIM THICK [mm]	Q3		4570
WEIGHT ON WHEEL [Kg]	Q3		4570