

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 - 631**

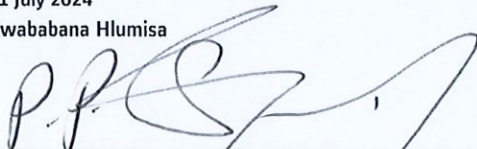
CONTENTS

- 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	01 July 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	631		Alstom - Ubunye
Trailer Bogie Frame	AR000000176083	T0 922		Poland -MZ
Wheelset (Front)	AR0000000177020	T0 1705		Alstom - Ubunye
Axle	AR000000174678	108033	1232169	Jinxi
Wheel (Right)	AR000000174670	077	07.23	Bonatrans
Wheel (Left)	AR0000000174670	075	07.23	Bonatrans
Wheelset (Rear)	AR000000185203	T0 1706		Alstom - Ubunye
Axle	AR000000174678	108037	1232169	Jinxi
Wheel (Right)	AR000000174670	145	07.23	Bonatrans
Wheel (Left)	AR000000174670	129	07.23	Bonatrans
Pneumatic suspension (Right)	AR000000176127	2403037		TMT
Pneumatic suspension (Left)	AR000000176127	2404010		TMT
Brake unit with PB (Right rear)	AR000000174544	1852	06.24	Wabtec
Brake unit without PB (Right front)	AR000000175185	5575	06.24	Wabtec
Brake unit without PB (Left Front)	AR000000175185	5579	06.24	Wabtec
Brake unit without PB (left rear)	AR000000175185	5580	06.24	Wabtec

PRESSING REPORT

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

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	37.59 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q2	4511

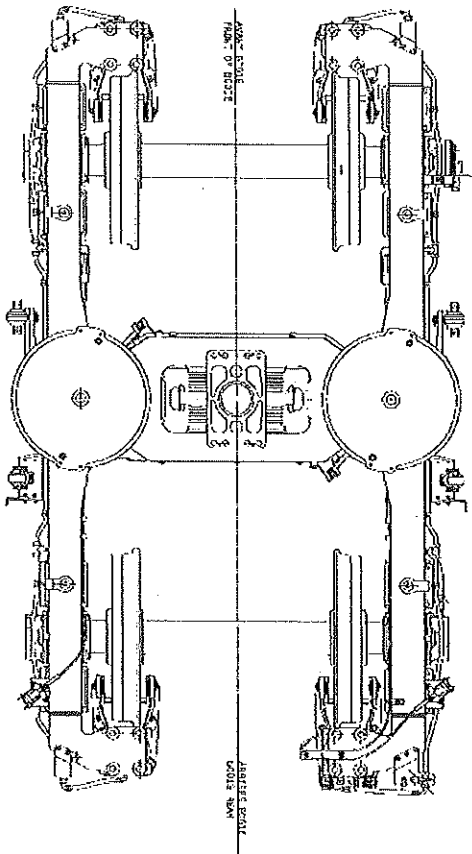
SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM[mm]	THEORETICAL [mm]
586.68	+	1.00	= 587.68
			MIN 587.50 MAX 590.00

RIGHT JACK LOAD	
6695	Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	37.88 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q4	4608

BOGIE SERIAL N°	631
BOGIE TYPE	TINT
BOGIE WEIGHT UNDER LOAD [kg]	13356
COMPLETE BOGIE WEIGHT [kg]	4606
OPERATOR	DATE
EDWARD	6/18/2024

OPERATOR STAMP	
BFI-21	



LEFT JACK LOAD	
6695	Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	37.53 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q1	4649

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.74	+	0.00	= 587.74
			MIN 587.50 MAX 590.00

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		THEORETICAL [mm]
-0.06		MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN -2.00 MAX 2.00	1.51 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN -2.00 MAX 2.00	-0.22 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN -2.00 MAX 2.00	-0.20 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN -2.00 MAX 2.00	0.64 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00 MAX 2.00	-0.86 ✓

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	37.74 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q3	4588



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 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"/>
- 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	25 June 2024
NAME	Kwababana Hlumisa
VISA	

ALSTOM
TRANSPORT

DELIVERY STATUS

PRASA
TBEXT 627

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	627		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 924		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1715		Alstom - Ubunye
Axle	AR00000174678	101502	11230044	Jinxi
Wheel (Right)	AR00000174670	031	03-24	Bonatrans
Wheel (Left)	AR000000174670	011	03-24	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1716		Alstom Ubunye
Axle	AR00000174678	105192	11230031	Jinxi
Wheel (Right)	AR00000174670	167	03-24	Bonatrans
Wheel (Left)	AR00000174670	124	03-24	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2312180		TMT
Pneumatic suspension (Left)	AR00000176127	2401019		TMT
Brake unit with PB (Right rear)	AR00000174544	1872	06-24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5645	06-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5640	06-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5644	06-24	Wabtec

DATE
6/24/2024

DATE VALIDATION

RESPONSABLE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

PRESSING REPORT

LOAD TEST : TBEXT

PROJECT:

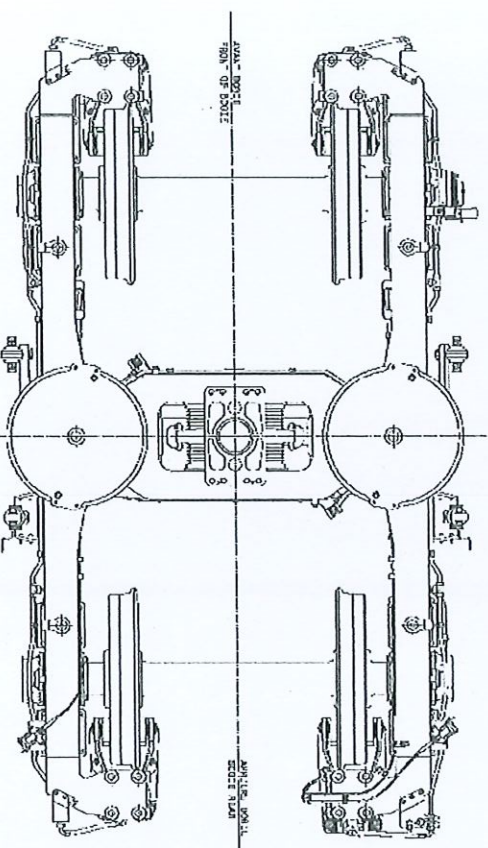
	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	36.71 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q2	5487

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
585.12	+	5.00	= 590.12
			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	37.40 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	5428

BOGIE SERIAL N°	627
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21931
COMPLETE BOGIE WEIGHT [Kg]	4678
OPERATOR	DATE
BAFANA	6/24/2024



	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	0.89 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	0.11 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.46 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	0.42 ✓

OPERATOR STAMP	
DC-BFI-6	

LEFT JACK LOAD	
8453	Kg

	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]	Q1	5491

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.55	+	4.00	= 590.55
			MIN 590.00 MAX 592.50

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	36.89 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	5525