

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 - 629

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	29 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	629		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	935		Alstom - Ubunye
Wheelset (Front)	AR000000177020	1722		Alstom - Ubunye
Axle	AR00000174678	105190	1230031	Jinxi
Wheel (Right)	AR00000174670	102	03.24	Bonatrans
Wheel (Left)	AR000000174670	076	03.24	Bonatrans
Wheelset (Rear)	AR00000185203	1721		Alstom - Ubunye
Axle	AR00000174678	101480	1230044	Jinxi
Wheel (Right)	AR00000174670	072	11.23	Bonatrans
Wheel (Left)	AR00000174670	066	11.23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2401006		TMT
Pneumatic suspension (Left)	AR00000176127	2401001		TMT
Brake unit with PB (Right rear)	AR00000174544	1811	05.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5456	05.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5457	05.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5458	05.24	Wabtec

PRESSING REPORT

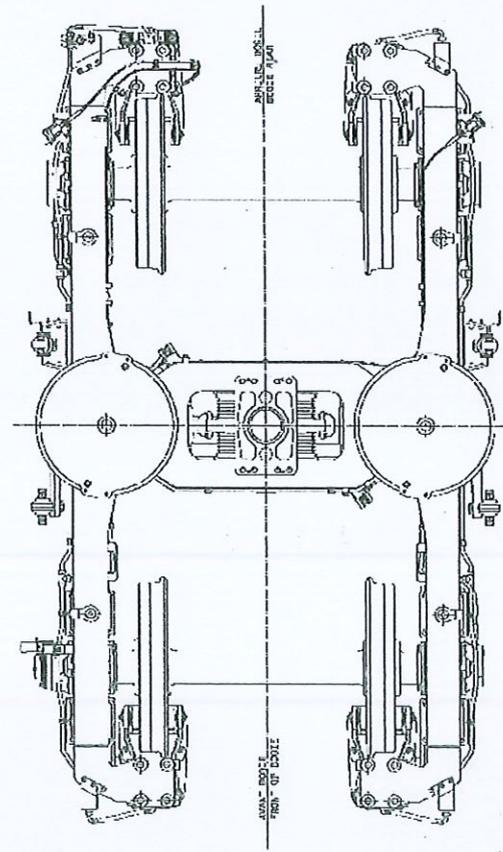
6/28/2024	RESPONSIBLE VALIDATION	PRASA	LOAD TEST : TBEXT
		INSTRUCTION SHEET:	PROJECT:
		FAMILY:	

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]			
GAP PRIMARY SUSPENSION [mm]	33.00	39.00	35.80 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]		Q4	5522

MEASURED [mm]	SECONDARY SUSPENSION		THEORETICAL [mm]
	SHIM THICK [mm]	DIM. WITH SHIM [mm]	
584.39	6.00	590.39	590.00
			592.50

RIGHT JACK LOAD
8453 Kg

BOGIE SERIAL N°	629
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21915
COMPLETE BOGIE WEIGHT [Kg]	4663
OPERATOR	BAFANA
DATE	6/28/2024



OPERATOR STAMP
DC-BFI-6

	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON FRONT AXLE [%]	0.00	0.00	1.91 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	0.00	0.00	-0.86 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	0.00	0.00	0.07 ✓
LOAD DIFFERENCE ON RAILS [%]	0.00	0.00	0.52 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	0.00	0.00	-1.38 ✓

LEFT JACK LOAD
8453 Kg

MEASURED [mm]	SECONDARY SUSPENSION		THEORETICAL [mm]
	SHIM THICK [mm]	DIM. WITH SHIM [mm]	
583.93	7.00	590.93	590.00
			592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		THEORETICAL [mm]	
MIN	MAX	MIN	MAX
-0.54		-1.00	1.00

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]			
GAP PRIMARY SUSPENSION [mm]	33.00	39.00	35.50 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]		Q1	5587

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 - 634

CONTENTS

- Compliance certificate.....	Page 1/2	<input checked="" type="checkbox"/>
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CONSTRUCTOR APPROVAL	
DATE	29 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	634		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T0 923		Poland -MZ
Wheelset (Front)	AR000000177020	T0 1717		Alstom - Ubunye
Axle	AR00000174678	105191	1230031	Jinxi
Wheel (Right)	AR00000174670	028	03.24	Bonatrans
Wheel (Left)	AR000000174670	029	03.24	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1718		Alstom - Ubunye
Axle	AR00000174678	101474	1230044	Jinxi
Wheel (Right)	AR00000174670	036	03.24	Bonatrans
Wheel (Left)	AR00000174670	040	03.24	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2403050		TMT
Pneumatic suspension (Left)	AR00000176127	2403046		TMT
Brake unit with PB (Right rear)	AR00000174544	1850	06.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5559	06.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5564	06.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5565	06.24	Wabtec

PRESSING REPORT

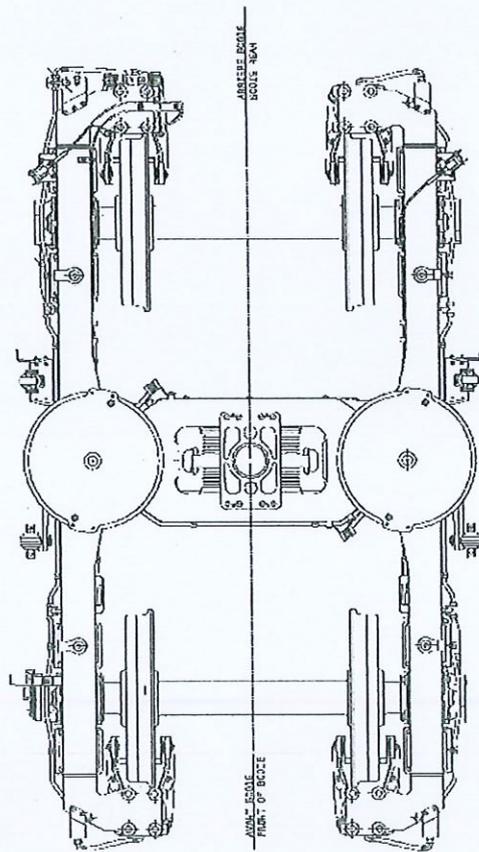
DATE 6/27/2024	RESPONSIBLE VALIDATION	PRASA	LOAD TEST: TBINT
DATE VALIDATION		INSTRUCTION SHEET:	PROJECT: PRASA
		FAMILY:	

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	34.50	37.00
	MAX	40.50	
SHIM THICK [mm]	Q4		
WEIGHT ON WHEEL [kg]	Q4		4636

MEASURED [mm]	SECONDARY SUSPENSION		THEORETICAL [mm]
	SHIM THICK [mm]	DIM. WITH SHIM [mm]	
587.62	+	1.00	MIN 587.50
	=	588.62	MAX 590.00

RIGHT JACK LOAD	6695 kg
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BOGIE SERIAL N°	634
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [kg]	18370
COMPLETE BOGIE WEIGHT [kg]	4632
OPERATOR	EDWARD
DATE	6/27/2024



LEFT JACK LOAD	6695 kg
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OPERATOR STAMP	BFI-21
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	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN	-2.00	1.80
	MAX	2.00	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN	-2.00	-0.65
	MAX	2.00	
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN	-2.00	-0.29
	MAX	2.00	
LOAD DIFFERENCE ON RAILS [%]	MIN	-2.00	0.57
	MAX	2.00	
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN	-2.00	-1.22
	MAX	2.00	

MEASURED [mm]	SECONDARY SUSPENSION		THEORETICAL [mm]
	SHIM THICK [mm]	DIM. WITH SHIM [mm]	
589.03	+	0.00	MIN 587.50
	=	589.03	MAX 590.00

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	-0.41	THEORETICAL [mm]	MIN -1.00	MAX 1.00
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	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]	MIN	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	34.50	36.87
	MAX	40.50	
SHIM THICK [mm]	Q1		
WEIGHT ON WHEEL [kg]	Q1		4662