

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 - 598

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	04 April 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	598		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 863		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1599		Alstom - Ubunye
Axle	AR00000174678	114652	12176732	Jinxi
Wheel (Right)	AR00000174670	088	07.23	Bonatrans
Wheel (Left)	AR000000174670	099	11.22	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1600		Alstom Ubunye
Axle	AR00000174678	114887	12176732	Jinxi
Wheel (Right)	AR00000174670	087	07.23	Bonatrans
Wheel (Left)	AR00000174670	0117	11.22	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2308020		TMT
Pneumatic suspension (Left)	AR00000176127	2308046		TMT
Brake unit with PB (Right rear)	AR00000174544	1694	03.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5104	03.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5105	03.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5106	03.24	Wabtec

PRESSING REPORT

DATE
4/4/2024

RESPONSABLE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

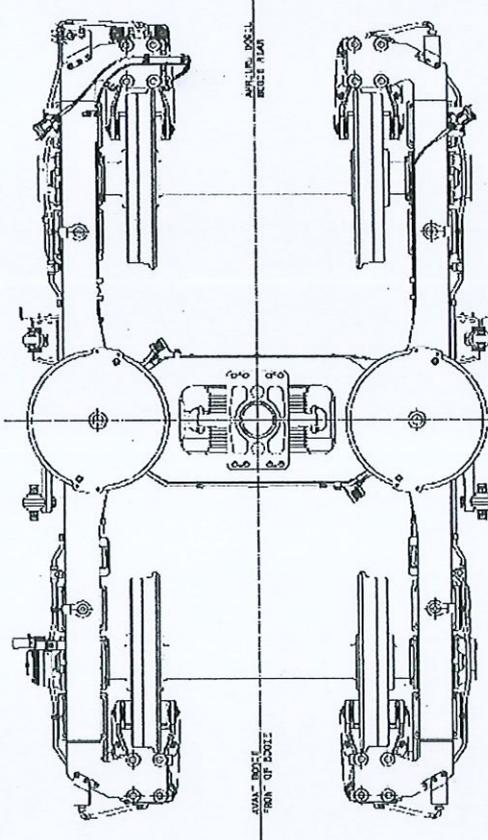
PROJECT:

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]	33.00	39.00	37.22 ✓
GAP PRIMARY SUSPENSION [mm]	33.00	39.00	
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q2		5428

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.04	+	4.00 =	591.04
			MIN 590.00
			MAX 592.50

RIGHT JACK LOAD	8452 Kg
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BOGIE SERIAL N°	598
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21861
COMPLETE BOGIE WEIGHT [Kg]	4617
OPERATOR	EDWARD
DATE	4/4/2024



OPERATOR STAMP	BFI-21
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	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON FRONT AXLE [%]	0.00	0.00	0.41 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	0.00	0.00	1.13 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	0.00	0.00	-0.27 ✓
LOAD DIFFERENCE ON RAILS [%]	0.00	0.00	0.77 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	0.00	0.00	0.36 ✓

LEFT JACK LOAD	8453 Kg
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	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]	33.00	39.00	37.16 ✓
GAP PRIMARY SUSPENSION [mm]	33.00	39.00	
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q1		5473

SECONDARY SUSPENSION ✓			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.70	+	4.00 =	591.70
			MIN 590.00
			MAX 592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	-0.66
THEORETICAL [mm]	MIN -1.00
	MAX 1.00

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]	33.00	39.00	37.50 ✓
GAP PRIMARY SUSPENSION [mm]	33.00	39.00	
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]	Q3		5542

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 - 604

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	05 April 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	604		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T0 870		Poland -MZ
Wheelset (Front)	AR000000177020	T0 1597		Alstom - Ubunye
Axle	AR00000174678	114904	12/76732	Jinxi
Wheel (Right)	AR00000174670	105	11.22	Bonatrans
Wheel (Left)	AR000000174670	095	11.22	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1598		Alstom - Ubunye
Axle	AR00000174678	114537	12/76733	Jinxi
Wheel (Right)	AR00000174670	125	11.22	Bonatrans
Wheel (Left)	AR00000174670	071	11.22	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2308087		TMT
Pneumatic suspension (Left)	AR00000176127	2307080		TMT
Brake unit with PB (Right rear)	AR00000174544	1692	03.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5096	03.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5099	03.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5098	03.24	Wabtec

PRESSING REPORT

DATE 4/5/2024	RESPONSABLE VALIDATION	PRASA	LOAD TEST : TBINT
DATE VALIDATION		INSTRUCTION SHEET:	PROJECT: PRASA
		FAMILY:	

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]		

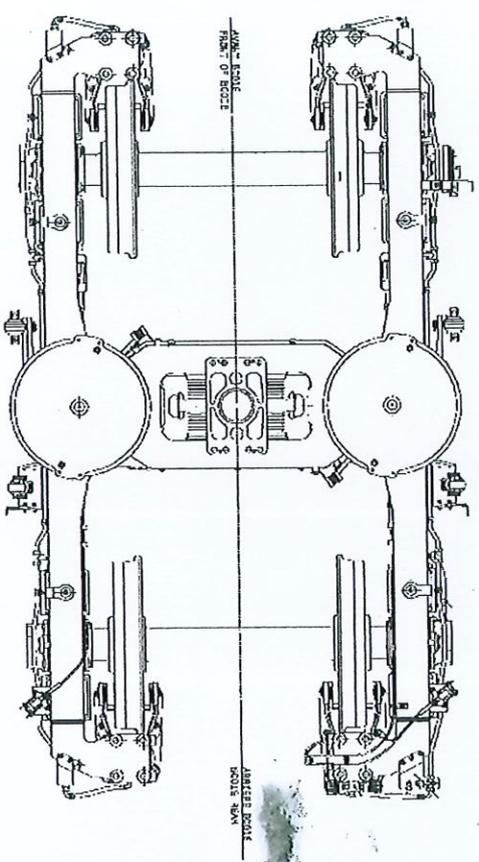
SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
589.03	+	0.00	= 589.03
			MIN MAX
			587.50 590.00

RIGHT JACK LOAD
6695 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]		

BOGIE SERIAL N°	604
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [kg]	18355
COMPLETE BOGIE WEIGHT [kg]	4613
OPERATOR	EDWARD
DATE	4/5/2024

OPERATOR STAMP
BF1-21



LEFT JACK LOAD
6695 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]		

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.72	+	2.00	= 588.72
			MIN MAX
			587.50 590.00

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

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN MAX	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN MAX	
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN MAX	
LOAD DIFFERENCE ON RAILS [%]	MIN MAX	
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN MAX	

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]		