

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 - 618

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 06 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	618		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0 905		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T0 1677		Alstom - Ubunye
Axle	AR00000174678	107011	12176718	Jinxi
Wheel (Right)	AR00000174670	151	07.23	Bonatrans
Wheel (Left)	AR000000174670	150	07.23	Bonatrans
Wheelset (Rear)	AR00000185203	T0 1678		Alstom Ubunye
Axle	AR00000174678	107235	12176717	Jinxi
Wheel (Right)	AR00000174670	163	07.23	Bonatrans
Wheel (Left)	AR00000174670	155	07.23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2403049		TMT
Pneumatic suspension (Left)	AR00000176127	2404023		TMT
Brake unit with PB (Right rear)	AR00000174544	1817	05.24	Wabtec
Brake unit without PB (Right front)	AR00000175185	5470	05.24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	5473	05.24	Wabtec
Brake unit without PB (left rear)	AR00000175185	5475	05.24	Wabtec

PRESSING REPORT

DATE
5/31/2024

DATE VALIDATION

RESPONSABLE VALIDATION

PRASA

ALSTOM

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

PROJECT:

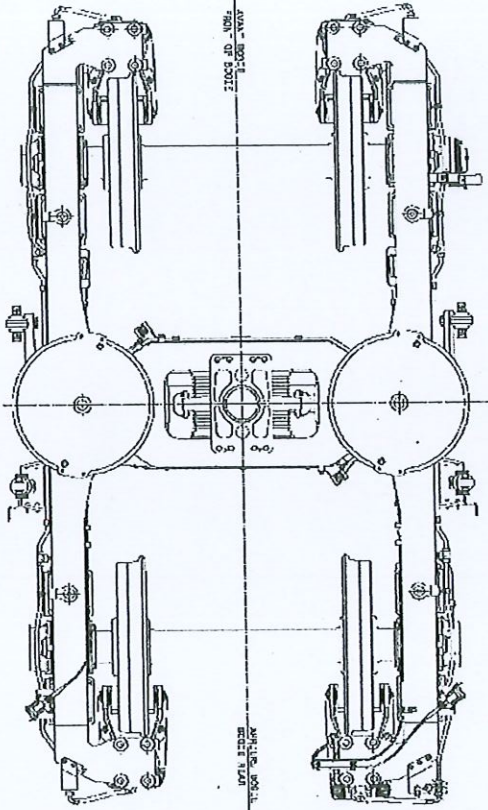
	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	36.68 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q2	5469

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
585.47	+	5.00	= 590.47
			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	36.98 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	5479

BOGIE SERIAL N°	618
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21913
COMPLETE BOGIE WEIGHT [Kg]	4673
OPERATOR	DATE
BAFANA	5/31/2024



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	36.98 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	5512

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.87	+	4.00	= 590.87
			MIN 590.00 MAX 592.50
DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]			THEORETICAL [mm]
-0.40			MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00 MAX 0.00	0.39 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00 MAX 0.00	-0.23 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	0.22 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.08 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	-0.31 ✓

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	36.50 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	5454



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

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE **TRAILER BOGIE TBINT 624**
DTR0009706802
SERIAL NUMBER **TBINT 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	03 June 2024
NAME	Kwababana Hlumisa
VISA	

ALSTOM TRANSPORT	DELIVERY STATUS	PRASA TBINT 624
----------------------------	------------------------	----------------------------------

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	624		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	7909		Alstom - Ubunye
Wheelset (Front)	AR000000177020	701679		Alstom - Ubunye
Axle	AR00000174678	101485	D1230044	Jinxi
Wheel (Right)	AR00000174670	164	07-23	Bonatrans
Wheel (Left)	AR000000174670	161	07-23	Bonatrans
Wheelset (Rear)	AR00000185203	701680		Alstom Ubunye
Axle	AR00000174678	101509	D1230044	Jinxi
Wheel (Right)	AR00000174670	102	07-23	Bonatrans
Wheel (Left)	AR00000174670	105	07-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2311103		TMT
Pneumatic suspension (Left)	AR00000176127	2311069		TMT
Brake unit with PB (Right rear)	AR00000174544	2935	05-2024	WABTEC Polci
Brake unit without PB (Right front)	AR00000175185	2937	05-2024	WABTEC Polci
Brake unit without PB (Left Front)	AR00000175185	2939	05-2024	WABTEC Polci
Brake unit without PB (left rear)	AR00000175185	2938	05-2024	WABTEC Polci

DATE
6/3/2024

DATE VALIDATION

RESPONSABLE VALIDATION

PRASA
INSTRUCTION SHEET:
FAMILY:

PRESSING REPORT

LOAD TEST : TBINT

PROJECT: PRASA

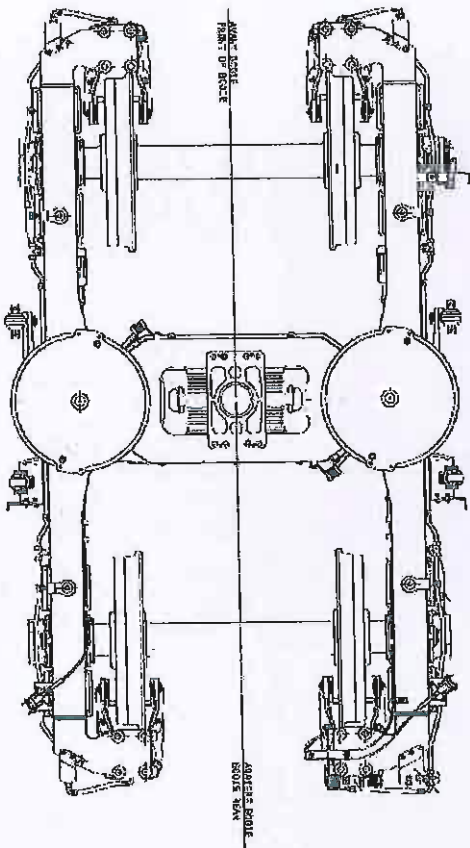
	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	38.25 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q2	4571

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM[mm]	THEORETICAL [mm]
586.51	+	1.00	= 587.51
			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	37.69 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	4663

BOGIE SERIAL N°	624
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18954
COMPLETE BOGIE WEIGHT [Kg]	4694
OPERATOR	DATE
EDWARD	6/3/2024



	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN -2.00 MAX 2.00	1.17 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN -2.00 MAX 2.00	-1.30 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN -2.00 MAX 2.00	0.24 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN -2.00 MAX 2.00	-0.07 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00 MAX 2.00	-1.24 ✓

OPERATOR STAMP
BF1-21

LEFT JACK LOAD	
6695	Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	37.40 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	4579

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.69	+	0.00	= 587.69
			MIN 587.50 MAX 590.00
DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]			✓
-0.18			MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 34.50 MAX 40.50	37.18 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	4543