

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 587**


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	29 February 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	587		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T843		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T01547		Alstom - Ubunye
Axle	AR00000174678	102105	D1230038	Jinxi
Wheel (Right)	AR00000174670	058	04-23	Bonatrans
Wheel (Left)	AR000000174670	046	04-23	Bonatrans
Wheelset (Rear)	AR00000185203	T01548		Alstom - Ubunye
Axle	AR00000174678	102066	D1230038	Jinxi
Wheel (Right)	AR00000174670	123	04-23	Bonatrans
Wheel (Left)	AR00000174670	168	04-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2401077		TMT
Pneumatic suspension (Left)	AR00000176127	2312108		TMT
Brake unit with PB (Right rear)	AR00000174544	1627	02-24	Wabtec
Brake unit without PB (Right front)	AR00000175185	4900	02-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	4902	02-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	4901	02-24	Wabtec

QC: 018
Revision: 1.0

PRESSING REPORT

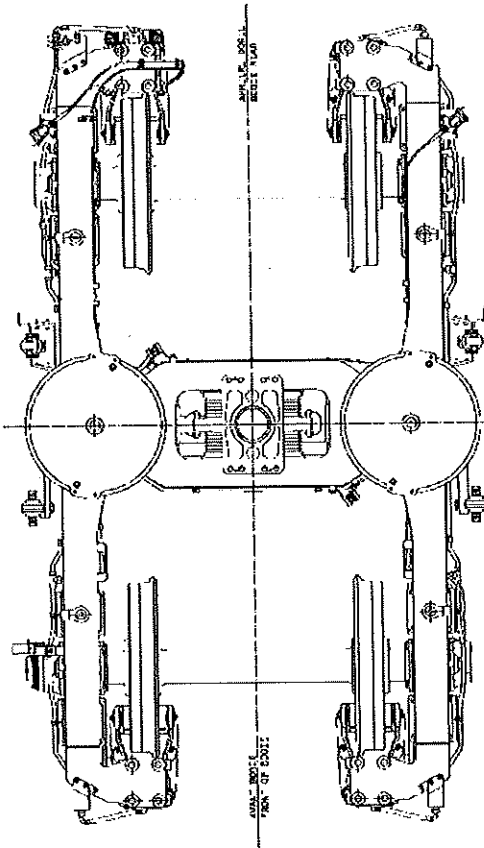
DATE 2/29/2024	PRASA	LOAD TEST : TBEXT
DATE VALIDATION	RESPONSABLE VALIDATION	INSTRUCTION SHEET:
		FAMILY:
		PROJECT:

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	39.00 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	5495

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.75	+	3.00 =	590.75 MIN 590.00 MAX 592.50

RIGHT JACK LOAD	Kg
8453	

BOGIE SERIAL N°	587
BOGIE TYPE	TBEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21873
COMPLETE BOGIE WEIGHT [Kg]	4633
OPERATOR	EDWARD
DATE	2/29/2024



OPERATOR STAMP	BFI-21
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LEFT JACK LOAD	Kg
8453	

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
589.16	+	1.00 =	590.16 MIN 590.00 MAX 592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	0.59	THEORETICAL [mm]
		MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	38.19 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	5580

	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00 MAX 0.00	1.76 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00 MAX 0.00	-0.78 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	0.28 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.49 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	-1.27 ✓

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN 33.00 MAX 39.00	38.68 ✓
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	5410

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 - 591

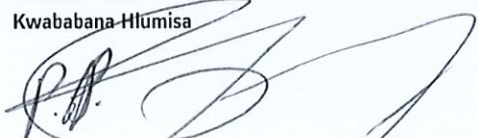
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CONSTRUCTOR APPROVAL

DATE	01 March 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	591		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T834		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T01543		Alstom - Ubunye
Axle	AR000000174678	114506	12176733	Jinxi
Wheel (Right)	AR000000174670	033	04-23	Bonatrans
Wheel (Left)	AR000000174670	034	04-23	Bonatrans
Wheelset (Rear)	AR000000185203	T01544		Alstom Ubunye
Axle	AR000000174678	114534	12176733	Jinxi
Wheel (Right)	AR000000174670	031	04-23	Bonatrans
Wheel (Left)	AR000000174670	013	04-23	Bonatrans
Pneumatic suspension (Right)	AR000000176127	2312060		TMT
Pneumatic suspension (Left)	AR000000176127	2401091		TMT
Brake unit with PB (Right rear)	AR000000174544	1617	02-24	WABTEC
Brake unit without PB (Right front)	AR000000175185	4890	02-24	WABTEC
Brake unit without PB (Left Front)	AR000000175185	4883	02=24	WABTEC
Brake unit without PB (left rear)	AR000000175185	4871	02-24	WABTEC

DATE
2/28/2024

DATE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

PRESSING REPORT

LOAD TEST : TBINT

PROJECT: PRASA

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN	
	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	38.80
	MAX	40.50
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q2	4547

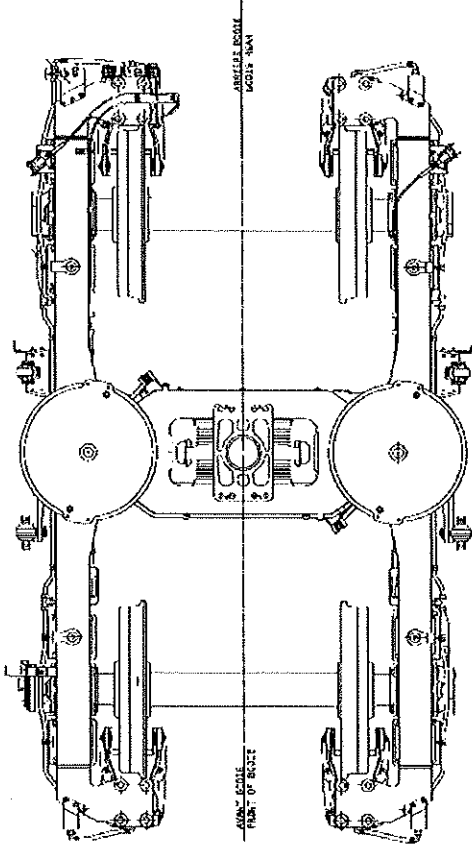
SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM[mm]	THEORETICAL [mm]
587.56	+	2.00 =	MIN 587.50 MAX 590.00

RIGHT JACK LOAD	
	6695 Kg

BOGIE SERIAL N°	S91
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18311
COMPLETE BOGIE WEIGHT [Kg]	4583
OPERATOR	DATE
BAFANA	2/28/2024

OPERATOR STAMP

DC-3FI-6



	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN -2.00	0.51
	MAX 2.00	
LOAD DIFFERENCE ON REAR AXLE [%]	MIN -2.00	0.96
	MAX 2.00	
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN -2.00	-0.15
	MAX 2.00	
LOAD DIFFERENCE ON RAILS [%]	MIN -2.00	0.74
	MAX 2.00	
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN -2.00	0.22
	MAX 2.00	

LEFT JACK LOAD	
	6695 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN	
	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	38.40
	MAX	40.50
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	4594

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
589.80	+	0.00 =	MIN 589.80 MAX 590.00

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		
		-0.24
		MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN	
	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	34.50
	MAX	40.50
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	4628