

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 - 590

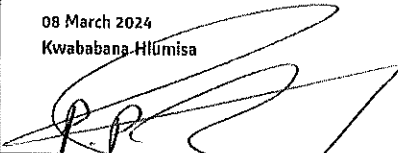
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- Compliance certificate.....	Page 1/2	<input checked="" type="checkbox"/>
- List of deviations and missing parts.....	Page 2/2	<input checked="" type="checkbox"/>
- Products traceability.....	1 page	<input checked="" type="checkbox"/>
- Load test 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	08 March 2024
NAME	Kwababana Hlumis
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	590		Alstom - Abunye
Trailer Bogie Frame	AR000000176083	T0849		Alstom - Ubunye
Wheelset (Front)	AR0000000177020	T01565		Alstom - Ubunye
Axle	AR000000174678	107234	12176717	Jinxi
Wheel (Right)	AR000000174670	026	02-23	Bonatrans
Wheel (Left)	AR0000000174670	044	02-23	Bonatrans
Wheelset (Rear)	AR000000185203	T01566		Alstom Ubunye
Axle	AR000000174678	106992	12176718	Jinxi
Wheel (Right)	AR000000174670	058	10-23	Bonatrans
Wheel (Left)	AR000000174670	044	10-23	Bonatrans
Pneumatic suspension (Right)	AR000000176127	2401083		TMT
Pneumatic suspension (Left)	AR000000176127	2401069		TMT
Brake unit with PB (Right rear)	AR000000174544	1642	02-24	Wabtec
Brake unit without PB (Right front)	AR000000175185	4948	02-24	Wabtec
Brake unit without PB (Left Front)	AR000000175185	4945	02-24	Wabtec
Brake unit without PB (left rear)	AR000000175185	4946	02-24	Wabtec

DATE
3/8/2024

RESPONSABLE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

PROJECT:

DATE
3/8/2024

RESPONSABLE VALIDATION

PRASA

INSTRUCTION SHEET:

FAMILY:

LOAD TEST : TBEXT

PROJECT:

PRESSING REPORT

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]			
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	38.15 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]		Q2	5410

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
587.71	+	3.00	MIN 590.00 MAX 592.50

RIGHT JACK LOAD
8453 Kg

BOGIE SERIAL N°

590

BOGIE TYPE

TBEXT

BOGIE WEIGHT UNDER LOAD [Kg]

21827

COMPLETE BOGIE WEIGHT [Kg]

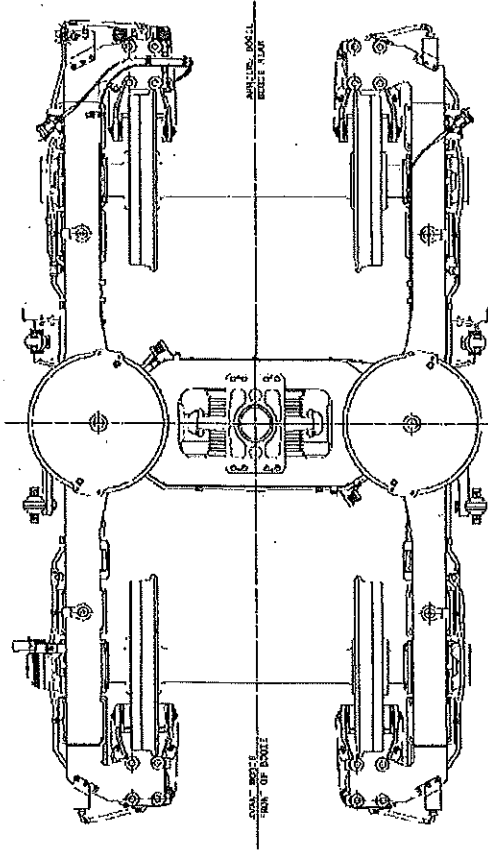
4598

OPERATOR

EDWARD

DATE

3/8/2024



OPERATOR STAMP

BFI-21

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]			
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	38.10 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]		Q1	5478

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
586.20	+	4.00	MIN 590.00 MAX 592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		0.51
		THEORETICAL [mm]
		MIN -1.00 MAX 1.00

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]			
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	38.45 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]		Q4	5434

	THEORETICAL		MEASURED
	MIN	MAX	
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00	MAX 0.00	0.62 ✓
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00	MAX 0.00	0.66 ✓
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00	MAX 0.00	-0.24 ✓
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00	MAX 0.00	0.64 ✓
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00	MAX 0.00	0.02 ✓

	THEORETICAL		MEASURED
	MIN	MAX	
WHEEL DIAMETER [mm]			
GAP PRIMARY SUSPENSION [mm]	MIN 33.00	MAX 39.00	37.57 ✓
SHIM THICK [mm]			
WEIGHT ON WHEEL [Kg]		Q3	5506

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 - 596**

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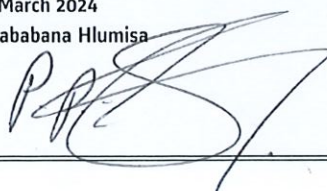
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CONSTRUCTOR APPROVAL

DATE
NAME
VISA

11 March 2024
Kwababana Hlumisa



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	596		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0852		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T01567		Alstom - Ubunye
Axle	AR00000174678	109216	12176723	Jinxi
Wheel (Right)	AR00000174670	152	10-23	Bonatrans
Wheel (Left)	AR000000174670	156	10-23	Bonatrans
Wheelset (Rear)	AR00000185203	1568		Alstom Ubunye
Axle	AR00000174678	127339	12176717	Jinxi
Wheel (Right)	AR00000174670	037	10-23	Bonatrans
Wheel (Left)	AR00000174670	030	10-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2308103		TMT
Pneumatic suspension (Left)	AR00000176127	2310030		TMT
Brake unit with PB (Right rear)	AR00000174544	1646	02-24	Wabtec
Brake unit without PB (Right front)	AR00000175185	4962	02-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	4960	02-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	4961	02-24	Wabtec



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Axle	AR00000174678	109216	12176723	Jinxi
Wheel (Right)	AR00000174670	152	10-23	Bonatrans
Wheel (Left)	AR000000174670	156	10-23	Bonatrans
Wheelset (Rear)	AR00000185203	1568		Alstom Ubunye
Axle	AR00000174678	127339	12176717	Jinxi
Wheel (Right)	AR00000174670	037	10-23	Bonatrans
Wheel (Left)	AR00000174670	030	10-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2308103		TMT
Pneumatic suspension (Left)	AR00000176127	2310030		TMT
Brake unit with PB (Right rear)	AR00000174544	1646	02-24	Wabtec
Brake unit without PB (Right front)	AR00000175185	4962	02-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	4960	02-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	4961	02-24	Wabtec