

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 - 576

CONTENTS

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 NAME	08 February 2024 Kwababana Hjumisa
VISA	RIS)

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TRANSPORT

DELIVERY STATUS

PRASA

BOGIE

TBEXT - 576

- Deviation / Derogation			
I - Bogie configuration			
B Bogie index			
		-	
В			



ALSTOM UBUNYE PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBEXT	DTR0009706803	576		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T0821		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T01513		Alstom - Ubunye
Axle	AR00000174678	108027	1232169	Jinxi
Wheel (Right)	AR00000174670	092	04-23	Bonatrans
Wheel (Left)	AR000000174670	091	04-23	Bonatrans
Wheelset (Rear)	AR00000185203	T01514		Alstom Ubunye
Axle	AR00000174678	101539	1230018	Jinxi
Wheel (Right)	AR00000174670	014	11-22	Bonatrans
Wheel (Left)	AR00000174670	016	11-22	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2310157		TMT
Pneumatic suspension (Left)	AR00000176127	2311005		TMT
Brake unit with PB (Right rear)	AR00000174544	1558	12-23	Wabtec
Brake unit without PB (Right front)	AR00000175185	4710	12-23	Wabtec
Brake unit without PB (Left Front)	AR00000175185	4703	12-23	Wabtec
Brake unit without PB (left rear)	AR00000175185	4705	12-23	Wabtec

QC: 018 Revision: 1.0

			DATE VALIDATION		2/8/2024	DATE	
			NEOT CHARLES THE STREET	BESEDONSARIE VALIDATION			
A STATE OF THE PARTY OF THE PAR	FAMILY:	INGIROCTION SPEET:	CLEET.	PRASA ALST M UBUNYE			
THEORETICAL ME	PROJECT		LOAD TEST: TBEX1			PRESSING REPORT	
MEASURED							

	THEORETICAL	TICAL	MEASURED
WHEEL	MIN		
DIAMETER [mm]	MAX		
GAP PRIMARY	MIN	33.00	38.60
SUSPENSION [mm]	MAX	39.00	
SHIM THICK [mm]			
WEIGHT ON		Q ₂	5381

	SECONDARY SUSPENSION	SPENSION	4	
MEASURED [mm]	SHIM-THICK [mm]	DIM. WITH SHIM[mm] THEORETICAL	M[mm]	THEORETIC
VIEWSOKED [mm]				
				MIN
587.49	+ 3.00	н	590.49	MAX

		587.49		ED [mm]
T	1	+		SHIM-THICK [mm]
RIGHT JACK LOAD		3.00		CK [mm]
KLOAD		н		DIM. W
		590.49		DIM. WITH SHIM[mm] THEORETICAL [mm]
		MAX	MIN	THEORET
		592.50	590.00	ICAL [mm]

	THEORETICAL	TICAL	MEASURED	
WHEEL	MIN			
DIAMETER [mm]	MAX			
GAP PRIMARY	NIM	33.00	38.70	6
SOSPENSION []	MAX	39.00		
SHIM THICK [mm]				
WEIGHT ON		Q.	5475	

ON FRONT AXLE [%] MAX

0.00

1.05 MEASURED

MIN

THEORETICAL

LOAD DIFFERENCE ON REAR AXLE [%]

MAX MIN

0.00

-0.13

BOGIE WEIGHT UNDER LOAD [Kg]

21812

COMPLETE BOGIE WEIGHT [Kg]

4598

OPERATOR BAFANA

2/8/2024 DATE

OPERATOR STAMP

DC-BFI-6

BOGIE SERIAL N°

576

BOGIE TYPE

TBEXT

LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	LOAD DIFFERENCE ON RAILS [%]	LOAD DIFFERENCE FRONT AXLE [%]
MAX	MAX	MAX
0.00	0.00	0.00
-0.59	0.46	-0.28
4	6	8

WEIGHT ON Q1 5495	mm] MAX 39.00	GAP PRIMARY MIN 33.00	DIAMETER [mm] MAX	MIN	THEORETCAL THE PROPERTY OF THE
1495		8.49			

1.00	MAX		*	ŏ	-0.09	
-1.00	MIN					
THEORETICAL [mm]	THEORE		HEIGHTS [mm]	T SUSPENSION	T AND LE	DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]
592.50	MAX		11	2.00	+	588.58
590.00	MIN	780 78 78				
TICAL [mm]	THEORET	[mm]	DIM. WITH SHIM [mm] THEORETICAL [mm]	SHIM THICK [mm]	T MIHS	MEASURED [mm]
		9	SPENSION	SECONDARY SUSPENSION	S	

LEFT JACK LOAD

8453

κg

+ 200	390.30	MAX	592.50
FE TN BYGHT AND LEFT SUSPENSION HEIGHTS [mm]		THEORETICAL [mm]	ICAL [m
		MIN	-1.00
-0.09		MAX X	1.00

WHEEL [Kg]	SHIM THICK [mm]	SUSPENSION [mm]	GAP PRIMARY	DIAMETER [mm]	WHEEL	
Q3		MAX 39.00	MIN 33.00	MAX	MIN	THEORETICAL
5461			37.62			MEMOUNED
			S			



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Marievale Road, Vosterkroon, Nigel, 1490

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MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE

TRAILER BOGIE type TBINT

DTR0009706802

SERIAL NUMBER

TBINT - 584

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COMPLIANCE CERTIFICATE

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	CONSTRUCTOR APPROVAL
DATE NAME	09 February 2024 Kwababana Hlumisa
VISA	PA /

PRASA BOGIE

TBINT - 584

- Deviation / Derogation			
	1 (2)		
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	584		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T0822		Poland -MZ
Wheelset (Front)	AR000000177020	T01515		Alstom - Ubunye
Axle	AR00000174678	101515	1230044	Jinxi
Wheel (Right)	AR00000174670	103	07-23	Bonatrans
Wheel (Left)	AR000000174670	102	07-23	Bonatrans
Wheelset (Rear)	AR00000185203	T01516		Alstom - Ubunye
Axle	AR00000174678	101437	1230044	Jinxi
Wheel (Right)	AR00000174670	095	07-23	Bonatrans
Wheel (Left)	AR00000174670	102	04-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2311009		TMT
Pneumatic suspension (Left)	AR00000176127	2311043		ТМТ
Brake unit with PB (Right rear)	AR00000174544	968	08-23	Wabtec
Brake unit without PB (Right front)	AR00000175185	2870	08-23	Wabtec
Brake unit without PB (Left Front)	AR00000175185	2869	08-23	Wabtec
Brake unit without PB (left rear)	AR00000175185	2869	08-23	Wabtec

QC: 018 Revision: 1.0

DATE VALIDATION DATE 2/8/2024 RESPONSABLE VALIDATION PRASA ALSTO FAMILY: ALSTOM UBUNIYE PRESSING REPORT LOAD TEST: TBINT PROJECT: PRASA

WEIGHT ON	SHIM THICK [mm]	SUSPENSION [mm] MAX	GAP PRIMARY MIN	DIAMETER [mm] MAX	WIN	Ŧ	
Q2		40.50	34.50			THEORETICAL	
4536			39.80			MEASURED	
			8				
				589	MEASURED		

	SECONDARY SUSPENSION	Y SUSPI	ENSION		
ED [mm]	SHIM THICK [mm]		DIM. WITH SHIM[mm] THEORETICAL [mm]	THEORET	ICAL [mm]
				MIN	587.50
589.92	+	0.00	589.92	MAX	590.00

6695	RIGHT JACK LOAD
6	

WEIGHT ON	SHIM THICK [mm]	mm]	GAP PRIMARY	DIAMETER [mm] N	WHEEL	
Q		MAX 40.50	MIN 34.50	MAX	MIN	THEORETICAL
4595		40.26				MEASURED
			5			

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BOGIE WEIGHT UNDER LOAD [Kg]

18340

BOGIE TYPE

TBINT

BOGIE SERIAL Nº

584

COMPLETE BOGIE WEIGHT [Kg]

4604

OPERATOR

BAFANA

2/8/2024 DATE

OPERATOR STAMP

DC-BFI-6

WHEELS [%]	ON RAILS [%]	LOAD DIFFERENCE	FRONT AXLE AND REAR AXLE [%]	LOAD DIFFERENCE	ON REAR AXLE [%]	LOAD DIFFERENCE	2	LOAD DIFFERENCE	,
MAX	MAX	ZIZ	MAX	MIN	MAX	MIN	MAX	MIN	THE
2.00	2.00	-2.00	2.00	-2.00	2.00	-2.00	2.00	-2.00	THEORETICAL
-0.47		0.43		-0.17		-0.04		0.90	MEASURED
6		S		0		8		S	O

WEIGHT ON	SHIM THICK [mm]	GAP PRIMARY SUSPENSION [mm]	WHEEL [mm]	
වු		MAX 40.50	MIN	THEORETICAL
4618		40.00		MEASURED
		6		

	SECONDARY SUSPENSION	SPENSION		
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm] THEORETICAL [mm]	THEORETICAL	[mm]
			MIN 5	587.50
589.87	+ 0.00	589.87	MAX 5	590.00
DIFFERENCE IN RIGH	DIFFFRENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		THEORETICAL [mm]	[mm]
			MIN	-1.00
	0.05	٠	MAX	1.00

MAX

LEFT JACK LOAD 6694

		THEORETICAL	MEASURED
[mm]	WHEEL	MIN	
587.50	DIAMETER [mm]	MAX	
590.00	GAP PRIMARY	MIN 34.50	20 49
	SUSPENSION [mm]	MAX 40.50	20000
L [mm]	SHIM THICK [mm]		
-1.00	WEIGHT ON	2	4591
1.00	WHEEL [Kg]	ć.	