

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 600**

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	10 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	600		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T 875		Alstom - Ubunye
Wheelset (Front)	AR000000177020	701605		Alstom - Ubunye
Axle	AR00000174678	107309	12 176717	Jinxi
Wheel (Right)	AR00000174670	166	12-23	Bonatrans
Wheel (Left)	AR000000174670	007	11-23	Bonatrans
Wheelset (Rear)	AR00000185203	701606		Alstom Ubunye
Axle	AR00000174678	107350	12 176717	Jinxi
Wheel (Right)	AR00000174670	130	12-23	Bonatrans
Wheel (Left)	AR00000174670	131	12-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2310136		TMT
Pneumatic suspension (Left)	AR00000176127	2310124		TMT
Brake unit with PB (Right rear)	AR00000174544	1705	04-24	WABTEC
Brake unit without PB (Right front)	AR00000175185	5136	04-24	WABTEC
Brake unit without PB (Left Front)	AR00000175185	5127	04-24	WABTEC
Brake unit without PB (left rear)	AR00000175185	5138	04-24	WABTEC

PRESSING REPORT

DATE 4/10/2024	RESPONSABLE VALIDATION	PRASA INSTRUMENTATION SHEET: FAMILY:	LOAD TEST : PROJECT:
DATE VALIDATION			

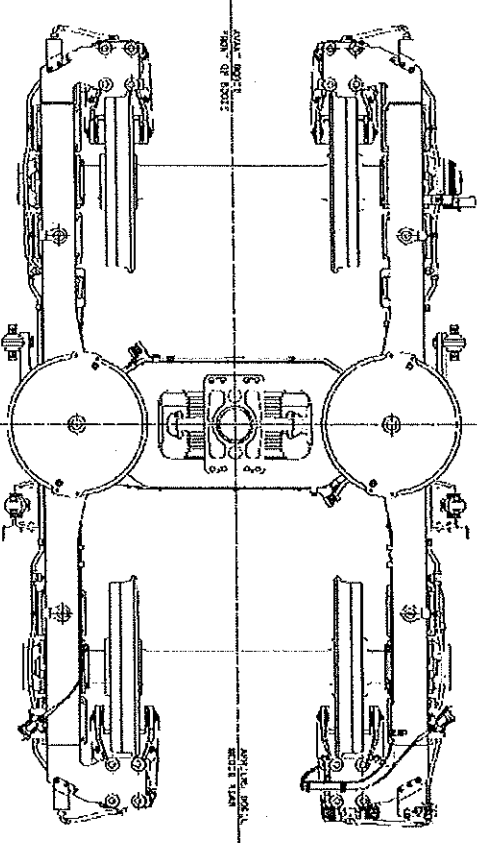
	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	36.20
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q2	5426

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
584.89	+	6.00	= 590.89
			MIN 590.00 MAX 592.50

RIGHT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	36.19
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	5469

BOGIE SERIAL N°	600
BOGIE TYPE	TEXT
BOGIE WEIGHT UNDER LOAD [Kg]	21928
COMPLETE BOGIE WEIGHT [Kg]	4684
OPERATOR	DATE
BAFANA	4/10/2024



	THEORETICAL	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN 0.00 MAX 0.00	1.15
LOAD DIFFERENCE ON REAR AXLE [%]	MIN 0.00 MAX 0.00	0.10
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN 0.00 MAX 0.00	0.13
LOAD DIFFERENCE ON RAILS [%]	MIN 0.00 MAX 0.00	0.62
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN 0.00 MAX 0.00	-0.52

OPERATOR STAMP
DC-3FI-6

LEFT JACK LOAD
8453 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	35.40
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	5552

SECONDARY SUSPENSION			
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm]	THEORETICAL [mm]
585.35	+	5.00	= 590.35
			MIN 590.00 MAX 592.50

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]	0.54	THEORETICAL [mm]
		MIN -1.00 MAX 1.00

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN MAX	35.50
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q3	5480

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

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE TRAILER BOGIE TBINT
 DTR0009706802
SERIAL NUMBER TBINT 606

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"/>
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CONSTRUCTOR APPROVAL	
DATE	10 April 2024
NAME	Kwababana Hlumisa
VISA	

I - Deviation / Derogation

II - Bogie configuration

B Bogie index

Checking				Checking			
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ALSTOM UBUNYE

PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBINT	DTR0009706802	606		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	7869		Alstom - Ubunye
Wheelset (Front)	AR000000177020	701607		Alstom - Ubunye
Axle	AR00000174678	113220	12176724	Jinxi
Wheel (Right)	AR00000174670	034	12-23	Bonatrans
Wheel (Left)	AR000000174670	200	12-23	Bonatrans
Wheelset (Rear)	AR00000185203	701608		Alstom Ubunye
Axle	AR00000174678	113316	12176723	Jinxi
Wheel (Right)	AR00000174670	004	11-23	Bonatrans
Wheel (Left)	AR00000174670	040	11-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2311046		TMT
Pneumatic suspension (Left)	AR00000176127	2310137		TMT
Brake unit with PB (Right rear)	AR00000174544	1706	04-24	WABTEC
Brake unit without PB (Right front)	AR00000175185	5142	04-24	WABTEC
Brake unit without PB (Left Front)	AR00000175185	5141	04-24	WABTEC
Brake unit without PB (left rear)	AR00000175185	5140	04-24	WABTEC

PRESSING REPORT

DATE 4/10/2024	PRASA		LOAD TEST : TBINT
DATE VALIDATION	INSTRUCTION SHEET:		PROJECT: PRASA
RESPONSABLE VALIDATION		FAMILY:	

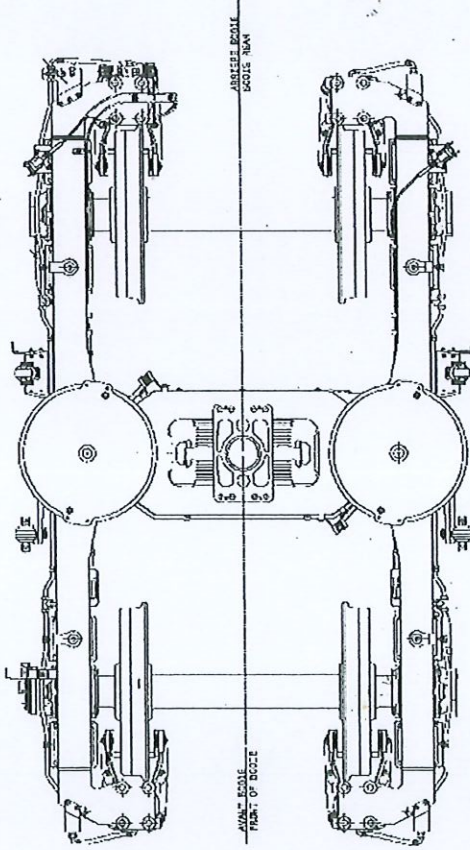
	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN	38.00
	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	38.00
	MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q4	4595

SECONDARY SUSPENSION			∅		
MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM[mm]	THEORETICAL [mm]		
587.13	+	1.00	=		
				588.13	
					MIN
					MAX
			587.50		
			590.00		

RIGHT JACK LOAD
6695 Kg

BOGIE SERIAL N°	606
BOGIE TYPE	TBINT
BOGIE WEIGHT UNDER LOAD [Kg]	18369
COMPLETE BOGIE WEIGHT [Kg]	4614
OPERATOR	BAFANA
DATE	4/10/2024

OPERATOR STAMP
DC-BFI-6



THEORETICAL		MEASURED	
LOAD DIFFERENCE ON FRONT AXLE [%]	MIN	-2.00	0.71
	MAX		
LOAD DIFFERENCE ON REAR AXLE [%]	MIN	-2.00	0.16
	MAX		
LOAD DIFFERENCE FRONT AXLE AND REAR AXLE [%]	MIN	-2.00	-0.23
	MAX		
LOAD DIFFERENCE ON RAILS [%]	MIN	-2.00	0.44
	MAX		
LOAD DIFFERENCE ON DIAGONAL WHEELS [%]	MIN	-2.00	-0.27
	MAX		

LEFT JACK LOAD
6695 Kg

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	37.90
	MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [kg]	Q3	4610

SECONDARY SUSPENSION				DIM. WITH SHIM [mm]	THEORETICAL [mm]
MEASURED [mm]	SHIM THICK [mm]				
587.74	+	0.00	=	587.74	MIN
					587.50
					590.00

DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm]		0.44	
		MIN	
		MAX	
		-1.00	
		1.00	

	THEORETICAL	MEASURED
WHEEL DIAMETER [mm]	MIN	38.20
	MAX	
GAP PRIMARY SUSPENSION [mm]	MIN	38.20
	MAX	
SHIM THICK [mm]		
WEIGHT ON WHEEL [Kg]	Q1	4614