

MANUFACTURER

ALSTOM Ubunye

Marievale Road, Vosterkroon, Nigel, 1490

CUSTOMER

Gibela

CONTRACT

PROJECT

PRASA

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE

TRAILE BOGIE TBEXT

DTR0009706803

SERIAL NUMBER

TBEXT 581

CONTENTS

- Compliance certificate	Page 1/2	X
- List of deviations and missing parts	Page 2/2	X
- Products traceability	1 page	Х
- Load test report	1 page	Х
- Motor certificate	8 pages	Х

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	23 February 2024 Kwababana Hlumisa
VISA	
VISA	PP Player



DELIVERY STATUS

PRASA TBEXT 581

2/2

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



PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBEXT	DTR0009706803	581		Alstom - Ubunye
Trailer Bogie Frame	AR00000176083	T831		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T01533		Alstom - Ubunye
Axle	AR00000174678	114890	12176732	Jinxi
Wheel (Right)	AR00000174670	123	07-23	Bonatrans
Wheel (Left)	AR000000174670	082	07-23	Bonatrans
Wheelset (Rear)	AR00000185203	T01534		Alstom - Ubunye
Axle	AR00000174678	114488	12176733	Jinxi
Wheel (Right)	AR00000174670	129	07-23	Bonatrans
Wheel (Left)	AR00000174670	130	07-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2401092		ТМТ
Pneumatic suspension (Left)	AR00000176127	2401053		TMT
Brake unit with PB (Right rear)	AR00000174544	1575	01-24	Wabtec
Brake unit without PB (Right front)	AR00000175185	4760	01-24	Wabtec
Brake unit without PB (Left Front)	AR00000175185	4766	01-24	Wabtec
Brake unit without PB (left rear)	AR00000175185	4767	01-24	Wabtec
			,	

QC: 018 Revision: 1.0

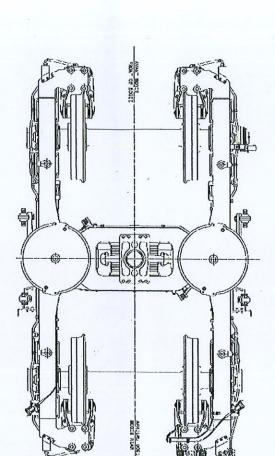
2/22/2024			PRESSING REPORT
DATE VALIDATION	RESPONSABLE VALIDATION	PRASA CUSTON USUUTE	
		INSTRUCTION SHEET:	LOAD TEST: TBEXT
		FAMILY:	PROJECT:

NO CERT	THEORETICAL	MEASURED
WHEEL	NIN	
DIAMETER [mm]	MAX	
GAP PRIMARY	MIN 33.00	37 00
SUSPENSION [mm]	MAX 39.00	37.88
SHIM THICK [mm]		
WHEEL [Kg]	QZ	5412

	SECONDARY SUSPENSION	PENSION		
ASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM[mm] THEORETICAL [mm]	THEORETICAL [mm]	
			MIN 590.00	
386.57	+ 4.00	590.57	MAX 592.50	

8453	RIGHT JACK LOAD
3 Kg	LOAD

WEIGHT ON	SHIM THICK [mm]	SUSPENSION [mm] MAX	WHEEL MIN DIAMETER [mm] MAX	
2		IN 33.00	x N	THEORETICAL
5442		38.50		MEASURED
		8		



COMPLETE BOGIE WEIGHT [Kg]

4652

OPERATOR

BAFANA

DATE 2/22/2024

DC-371-6

BOGIE WEIGHT UNDER LOAD [Kg]

BOGIE TYPE

TBEXT

BOGIE SERIAL N°

581

DATE OF THE PROPERTY OF	MIN	THEORETICAL 0.00	MEASURED
LOAD DIFFERENCE ON FRONT AXLE [%]	MAX	0.00	1.11
LOAD DIFFERENCE	MIN	0.00	0.48
ON REAR AXLE [%]	MAX	0.00	
LOAD DIFFERENCE	NIN	0.00	
FRONT AXLE AND REAR AXLE [%]	MAX	0.00	0.04
LOAD DIFFERENCE	MIN	0.00	
ON RAILS [%]	MAX	0.00	0.73
LOAD DIFFERENCE	MIN	0.00	
WHEELS [%]	MAX	0.00	-0.32

WHEEL [Kg]	SHIM THICK [mm]	GAP PRIMARY SUSPENSION [mm]	WHEEL DIAMETER [mm]	
욘		MAX 39.00	MIN	THEORETICAL
5533		38.10		MEASURED
		8		

		DIFFERENCE IN RIGHT	300.02	E96 63	MEASURED [mm]	
-0.05	9	T AND LEFT SUSPENSIO	+ 4.00		SHIM THICK [mm]	SECONDARY SUSPENSION
		difference in right and left suspension heights $[mm]$	390.02		DIM. WITH SHIM [mm] THEORETICAL [mm]	JSPENSION &
MAX 1.00	MIN -1.00	THEORETICAL [mm]	MAX 592.50	MIN 590.00	THEORETICAL [mm]	
						L.

LEFT JACK LOAD

WHEEL	MIN	MEASURED
DIAMETER [mm]	MAX	
GAP PRIMARY	MIN 33.00	27 41
SUSPENSION [mm]	MAX 39.00	14.70
SHIM THICK [mm]		
WEIGHT ON	Q	5494



MANUFACTURER

ALSTOM Ubunye

Marievale Road, Vosterkroon, Nigel, 1490

CUSTOMER

Gibela

CONTRACT

PROJECT

PRASA

MANUFACTURER'S DELIVERY DOCUMENT

PRODUCT TYPE

TRAILER BOGIE TBINT

DTR0009706803

SERIAL NUMBER

TBINT 587

CONTENTS

- Compliance certificate	Page 1/2	X
- List of deviations and missing parts	Page 2/2	Х
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	CONSTRUCTOR APPROVAL
DATE	22 February 2024
NAME	Kwababana Hlumisa
VISA	Do Aron

B 1/2



TRANSPORT

В

DELIVERY STATUS

PRASA T BINT 587

2/2

l - Deviation / Derogati	on		
II - Bogie configuration			
B Bogie index			
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PRODUCTS TRACEABILITY

Products Designation	Product Reference	Serial Number	Batch or Date Manufactured	Supplier
Trailer Bogie TBINT	DTR0009706802	587		Alstom - Abunye
Trailer Bogie Frame	AR00000176083	T828		Alstom - Ubunye
Wheelset (Front)	AR000000177020	T01523		Alstom - Ubunye
Axle	AR00000174678	114489	12176733	Jinxi
Wheel (Right)	AR00000174670	076	02-23	Bonatrans
Wheel (Left)	AR000000174670	117	02-23	Bonatrans
Wheelset (Rear)	AR00000185203	T01524		Alstom Ubunye
Axle	AR00000174678	114898	12176732	Jinxi
Wheel (Right)	AR00000174670	137	07-23	Bonatrans
Wheel (Left)	AR00000174670	155	07-23	Bonatrans
Pneumatic suspension (Right)	AR00000176127	2311158		TMT
Pneumatic suspension (Left)	AR00000176127	2312059		TMT
Brake unit with PB (Right rear)	AR00000174544	1586	01-24	WABTEC
Brake unit without PB (Right front)	AR00000175185	4758	01-24	WABTEC
Brake unit without PB (Left Front)	AR00000175185	4757	01=24	WABTEC
Brake unit without PB (left rear)	AR00000175185	4759	01-24	WABTEC

QC: 018 Revision: 1.0

	RESPONSABLE VALIDATION
INSTRUCTION SHEET: FAMILY:	PRASA MISTOR DEUXYL
PROJECT: PRASA	

	THEORETICAL	MEASURED
WHEEL	NIN	
DIAMETER [mm]	MAX	
GAP PRIMARY	MIN 34.50	2000
SUSPENSION [mm]	MAX 40.50	40:34
SHIM THICK [mm]		
WHEEL [Kg]	Q2	4523

MAX 590.00	10.00	+	303.02
MIN 587.50		3	100
THEORETICAL [mm]	DIM. WITH SHIM[mm] THEORETICAL [mm]	SHIM THICK [mm]	MEASURED [mm]
	ENSION	SECONDARY SUSPENSION	

	RIGH
6696	RIGHT JACK LOAD
Кд	DAD

	THEOR	THEORETICAL	MEASURED	
WHEEL	NIN			
DIAMETER [mm]	MAX			
GAP PRIMARY	MIN	34.50		5
SUSPENSION [mm]	MAX	40.50	40.27	
SHIM THICK [mm]				
WEIGHT ON		2	4636	

BOGIE WEIGHT [Kg]

4674

OPERATOR

BAFANA

2/21/2024

DATE

DC-BFI-6

OPERATOR STAMP

BOGIE WEIGHT UNDER LOAD [Kg]

18357

BOGIE TYPE

TRINT

BOGIE SERIAL N°

587

	THE	THEORETICAL	MEASURED	RED
LOAD DIFFERENCE	NIN	-2.00		6
ON FRONT AXLE [%]	MAX	2.00	1.10	0
LOAD DIFFERENCE	MIN	-2.00	-0.63	3
ON REAR AXLE [%]	MAX	2.00		•
LOAD DIFFERENCE	MIN	-2.00	0.24	3
FRONT AXLE AND REAR AXLE [%]	MAX	2.00	-0:54	(
LOAD DIFFERENCE	MIN	-2.00		٠.
ON RAILS [%]	MAX	2.00	17.0	4
LOAD DIFFERENCE	MIN	-2.00		6
WHEELS [%]	MAX	2.00	-0.89	Ć.

WEIGHT ON	SHIM THICK [mm]	GAP PRIMARY SUSPENSION [mm]	WHEEL DIAMETER [mm]	
Q		MIN 34.50 MAX 40.50	MIN	THEORETICAL
4624		39.80		MEASURED

MEASURED [mm]	SHIM THICK [mm]	DIM. WITH SHIM [mm] THEORETICAL [mm	THEORET	ICAL [mr
			NIN	587.50
588.62	+ + 1.00	= 589.62	MAX	590.00

LEFT JACK LOAD

κg

MIN -1.00	3
n]	DIFFERENCE IN RIGHT AND LEFT SUSPENSION HEIGHTS [mm

WEIGHT ON	SHIM THICK [mm]	GAP PRIMARY SUSPENSION [mm]	WHEEL DIAMETER [mm]	
Q		MIN 34.50 MAX 40.50	MAX	THEORETICAL
4574		50 39.61		MEASURED
		8		