



Gibela Rail Transport Consortium RF (Pty) Ltd
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TRAIN SET 221	REF: GIB000001072 KIP PRASA WEIGHT BALANCE EN
PCD WEIGHING REPORT	

TC2	Balance across front and rear bogies	Front Bogie [Tons]	18.57	Rear Bogie [Tons]	15.57	Longitudinal Imbalance [%]	8.79%	Criteria Longitudinal Imbalance < 10%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	34.14	Weight Predicted [Tons]	34.42	Weight Difference [%]	0.83%	Criteria Weight Difference	PASS
						Tolerance [%]	1.62%		PASS

M3	Balance across front and rear bogies	Front Bogie [Tons]	17.87	Rear Bogie [Tons]	17.87	Longitudinal Imbalance [%]	0.00%	Criteria Longitudinal Imbalance < 1%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	35.74	Weight Predicted [Tons]	35.50	Weight Difference [%]	0.65%	Criteria Weight Difference	PASS
						Tolerance [%]	1.38%		PASS

M2	Balance across front and rear bogies	Front Bogie [Tons]	18.66	Rear Bogie [Tons]	17.22	Longitudinal Imbalance [%]	2.02%	Criteria Longitudinal Imbalance < 3%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	36.58	Weight Predicted [Tons]	37.06	Weight Difference [%]	1.30%	Criteria Weight Difference	PASS
						Tolerance [%]	1.17%		PASS

M1	Balance across front and rear bogies	Front Bogie [Tons]	18.57	Rear Bogie [Tons]	18.15	Longitudinal Imbalance [%]	1.14%	Criteria Longitudinal Imbalance < 3%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	36.72	Weight Predicted [Tons]	36.87	Weight Difference [%]	0.29%	Criteria Weight Difference	PASS
						Tolerance [%]	1.17%		PASS

M4	Balance across front and rear bogies	Front Bogie [Tons]	17.89	Rear Bogie [Tons]	17.44	Longitudinal Imbalance [%]	0.14%	Criteria Longitudinal Imbalance < 3%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	35.73	Weight Predicted [Tons]	35.95	Weight Difference [%]	0.61%	Criteria Weight Difference	PASS
						Tolerance [%]	1.36%		PASS

TC1	Balance across front and rear bogies	Front Bogie [Tons]	18.57	Rear Bogie [Tons]	15.57	Longitudinal Imbalance [%]	8.79%	Criteria Longitudinal Imbalance < 10%	PASS
	Weight Measured vs Predicted	Weight Measured [Tons]	34.14	Weight Predicted [Tons]	34.42	Weight Difference [%]	0.83%	Criteria Weight Difference	PASS
						Tolerance [%]	1.62%		PASS

TOTAL TRAIN	Measured Weight	215.25	Predicted Weight	215.9725	Pass
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Name	Signature	Date
Thabo Musi	End of cycle EPU manager	08/05/24