



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4173	DISPATCH DATE:			04.02.2015
2.	RAILWAY	CR	Type:	WGACCN	Coach No.:	15102
3.	Booked to	SSE/C&W/CSTM				
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating: 64	Sleeping: 64	Luggage: NIL		
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions;					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1104/1104	1104/1104	
viii)	Buffer/CBC (Make)			JLS, REPL		
ix)	Draw Gear (Make)			EMSON		
7.	Air Brake Testing:					
	Description			Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm ²		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec		Brakes "ON"		
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT		VIBGYOR	85/85	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RAIL FAB,SHIVALIK		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	UIC VESTIBULE			KRP		
vii.	LAV. DOORS			DHINJAN		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			OASIS		
10	10.1	Modification/ Trial (if any):			NIL	
.	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date		
		4173		CR		WGACCN		15102		19-01-2015		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'											
12.2	Wheel & Axle Details:	PP Side					NPP Side					
	i.	Bogie No.	153003					153028				
	ii.	Frame No.	UBLS-4403					UBLS-4479				
	iii.	Axle No.	5258		A-5251		6774		P-6136			
	iv.	Wheel Diameter	917.00	917.00	916.00	916.00	917.00	917.00	916.50	916.00		
	v.	Wheel Disc No.	09149/ 295	09119/ 369	09006/ 270	09153/ 377	08852/ 374	09043/ 282	08911/ 225	09074/23 9		
	vi.	R.B. Nos.	V-185	V-1289	K-2526	K-2523	K-2394	K-2354	M0649	M-0688		
	vii.	R.B. Make	FAG		NBC		NBC		NBC			
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing									
12.3	<u>Items Traceability:</u>											
	i.	BRAKE CYLINDER (Make)					PEW					
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE					
12.4	i.	Modification/ Trail (if any):					NIL					
	ii.	Deviations (if any):					NIL					

WGACCN-4173



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4171	DISPATCH DATE:			05.02.2015
2.	RAILWAY	CR	Type:	WGACCN	Coach No.:	15101
3.	Booked to	SSE/C&W/CSTM				
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage: NIL
6.	Shell Details: (SG-90004 alt 'b')					
	6.1	Leading Dimensions;				
	i)	Maximum height above rail to top of Roof ventilator	4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
	ii)	Maximum length over Body	21337 ± 10			
	iii)	Maximum length over Buffer	22297 ± 15			
	iv)	Maximum width over Body	3245 ± 5			
	v)	Maximum width over Flasher light	3402 +0/-5			
	vi)	Minimum height above rail level to the lowest fitting	181.5 mm (AE63143)			
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1102	1104/1104	
	viii)	Buffer/CBC (Make)	JLS			
	ix)	Draw Gear (Make)	EMSON			
7.	Air Brake Testing:					
	Description			Specified		
	7.1	Emergency Application	Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
			Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
	7.2	Insensitivity	BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application		
	7.3	Sensitivity	BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"		
	7.4	Passenger alarm by pulling chain		BP Blasts out, Brakes "ON"		
	7.5	Piston stroke for BMBC type coach only		19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT	VIBGYOR	85/86	
	8.2	APPLICATION OF PCN-123		SATISFACTORY		
	8.3	INSUALTION		SATISFACTORY		
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT		ESCORTS		
	ii.	SEAT & BERTH		OVPL		
	iii.	WATER TANKS		RAIL FAB,SHIVALIK		
	iv.	PVC		RESPONSIVE		
	v.	FLOOR BOARD		TAYAL		
	vi.	UIC VESTIBULE		KRP		
	vii.	LAV. DOORS		DHINJAN		
	viii.	LP SHEET		NA		
	ix)	BIO- TOILET		JSL		
10	10.1	Modification/ Trial (if any):			NIL	
.	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		4171	CR	WGACCN	15101	09-08-2014			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'								
12.2	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	143294				143293			
	ii. Frame No.	UBLS-4305				UBLS-1034			
	iii. Axle No.	S-7005		P-3297		4987		T-4926	
	iv. Wheel Diameter	917.00	917.00	917.50	918.00	916.00	916.00	918.00	918.00
	v. Wheel Disc No.	06364/224	06849/381	06281/287	06966/369	06944/254	06950/221	06964/221	06934/245
	vi. R.B. Nos.	U-1758	U-1872	U-1805	U-1275	D-0955	E-2633	U-1182	V-1101
	vii. R.B. Make	FAG		FAG		NBC		FAG	
	viii. R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>								
	i.	BRAKE CYLINDER (Make)				PEW,AJT			
	ii.	SECONDARY Shock Absorber (Make)				KNORR BREMSE			
12.4	i.	Modification/ Trail (if any):				NIL			
	ii.	Deviations (if any):				NIL			

WGACCN-4171



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4174	DISPATCH DATE:			06.02.2015	
2.	RAILWAY	CR	Type:	WGACCN	Coach No.:	15103	
3.	Booked to	SSE/C&W/CSTM					
4.	Tare Weight of Coach :	52.53 T					
5.	Carrying Capacity :	Seating:	64	Sleeping:	64	Luggage:	NIL
6.	Shell Details: (SG-90004 alt 'b')						
6.1	Leading Dimensions;						
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)			
ii)	Maximum length over Body			21337 ± 10			
iii)	Maximum length over Buffer			22297 ± 15			
iv)	Maximum width over Body			3245 ± 5			
v)	Maximum width over Flasher light			3402 +0/-5			
vi)	Minimum height above rail level to the lowest fitting			181.5 mm (AE63143)			
vii)	Buffer/CBC Height		Specified : 1104 +0 /-10 mm	1104/1104		1104/1104	
viii)	Buffer/CBC (Make)			JLS			
ix)	Draw Gear (Make)			EMSON			
7.	Air Brake Testing:						
			Description	Specified			
7.1	Emergency Application		Time for 0 to 3.6 Kg/cm ² of BC	Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)			
			Brake release time to reach .4 Kg/cm ²	Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)			
7.2	Insensitivity		BP dipped @ 0.30 Kg/cm ² n 60 sec	No brake application			
7.3	Sensitivity		BP dipped @ 0.60 Kg/cm ² in 6 sec	Brakes "ON"			
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"			
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)			
8.	PAINTING DEATAILS:						
			TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	VIBGYOR	85/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	SEAT & BERTH			OVPL			
iii.	WATER TANKS			RAIL FAB,SHIVALIK			
iv.	PVC			RESPONSIVE			
v.	FLOOR BOARD			TAYAL			
vi.	UIC VESTIBULE			KRP			
vii.	LAV. DOORS			DHINJAN			
viii.	LP SHEET			NA			
ix)	BIO- TOILET			M K PRECISION			
10	10.1	Modification/ Trial (if any):			NIL		
.	10.2	Deviations (if any):			NIL		



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		4174		CR		WGACCN		15103		27-01-2015	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:		PP Side				NPP Side				
	i.	Bogie No.	153038				153039				
	ii.	Frame No.	UBLS-4437				UBLS-4459				
	iii.	Axle No.	A-3900		P-2023		RWF-98912		2768		
	iv.	Wheel Diameter	918.00	917.50	916.50	917.00	917.00	917.00	916.50	917.00	
	v.	Wheel Disc No.	09117/ 236	09105/ 236	07358/ 246	07365/ 256	09136/ 263	09149/ 240	09125/ 216	08066/38 0	
	vi.	R.B. Nos.	U-1855	U-1320	U-1002	U-1299	K-2509	K2544	K-2259	K-2261	
	vii.	R.B. Make	FAG		FAG		NBC		NBC		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	<u>Items Traceability:</u>										
	i.	BRAKE CYLINDER (Make)					AJT				
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE,ESCORTS				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					NIL				

WGACCN-4174



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

1.	SHELL No:	4169	DISPATCH DATE:			07.02.2015
2.	RAILWAY	CR	Type:	WGACCN	Coach No.:	15104
3.	Booked to	SSE/C&W/CSTM				
4.	Tare Weight of Coach :	52.53 T				
5.	Carrying Capacity :	Seating: 64	Sleeping: 64	Luggage:	NIL	
6.	Shell Details: (SG-90004 alt 'b')					
6.1	Leading Dimensions;					
i)	Maximum height above rail to top of Roof ventilator			4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only)		
ii)	Maximum length over Body			21337 ± 10		
iii)	Maximum length over Buffer			22297 ± 15		
iv)	Maximum width over Body			3245 ± 5		
v)	Maximum width over Flasher light			3402 +0/-5		
vi)	Minimum height above rail level to the lowest fitting			181.5 mm (AE63143)		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm	1104/1104	1104/1104		
viii)	Buffer/CBC (Make)			JLS		
ix)	Draw Gear (Make)			EMSON		
7.	Air Brake Testing:					
	Description			Specified		
7.1	Emergency Application	Time for 0 to 3.6 Kg/cm2 of BC		Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type)		
		Brake release time to reach .4 Kg/cm2		Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type)		
7.2	Insensitivity	BP dipped @ 0.30 Kg/cm2 n 60 sec		No brake application		
7.3	Sensitivity	BP dipped @ 0.60 Kg/cm2 in 6 sec		Brakes "ON"		
7.4	Passenger alarm by pulling chain			BP Blasts out, Brakes "ON"		
7.5	Piston stroke for BMBC type coach only			19 +10/-0 mm (NAC)		
8.	PAINTING DEATAILS:					
		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT	PU PAINT		VIBGYOR	85/85	
8.2	APPLICATION OF PCN-123			SATISFACTORY		
8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:					
i.	BRAKE EQUIPMENT			Make ESCORTS		
ii.	SEAT & BERTH			OVPL		
iii.	WATER TANKS			RAIL FAB,SHIVALIK		
iv.	PVC			RESPONSIVE		
v.	FLOOR BOARD			TAYAL		
vi.	UIC VESTIBULE			KRP		
vii.	LAV. DOORS			DHINJAN		
viii.	LP SHEET			NA		
ix)	BIO- TOILET			M K PRECISION		
10	10.1	Modification/ Trial (if any):			NIL	
.	10.2	Deviations (if any):			NIL	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date			
		4169	CR		WGACCN	15104	28-01-2015			
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	153040				153043			
	ii.	Frame No.	UBLS-4475				UBLS-4460			
	iii.	Axle No.	RWF-91051		Y-8431		Y-5974		V-9364	
	iv.	Wheel Diameter	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	03733/260	09046/202	08985/254	09070/384	08085/376	08082/384	07112/371	08093/201
	vi.	R.B. Nos.	V179	U462	R493	R469	R499	R484	S184	S252
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	<u>Items Traceability:</u>									
	i.	BRAKE CYLINDER (Make)				AJT				
	ii.	SECONDARY Shock Absorber (Make)				KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

WGACCN-4169