



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4004	DISPATCH DATE:			26.12.2014
2.	RAILWA	NR	Type:	VPUHX	Coach No.:	143830
3.	Booked to	SSE/C&W/NDLS				
4.	Tare Weight of Coach :	32 T				
5.	Carrying Capacity :	Seating:	NIL	Sleeping:	NIL	Luggage: 23 T
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			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1122/1130	1135/1140	
viii)	Buffer/CBC (Make)			JLS		
ix)	Draw Gear (Make)			CFPL		
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:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	FLOOR BOARD (COMPREG)			TAYAL		
iii.	PVC			FLOOR KOTE		
iv.	FLOOR TOPPING COAT			FLOOR KOTE		
v.	LUGGAGE RAKES			NA		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			1110/1110 , 1130/1130 (BUFFER HEIGHT)	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		4004	NR		VPUHX		143830		09-12-14		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	143422					143423			
	ii.	Frame No.	UBLS-4420					UBLS-1024			
	iii.	Axle No.	3638		4658		3600		A-5471		
	iv.	Wheel Diameter	916.50	917.00	914.00	914.00	917.00	917.00	916.50	916.00	
	v.	Wheel Disc No.	62710/ 08675	60622/ 08458	62137/ 09759	62258/ 09699	97716/ 08139	62159/ 99759	62803/ 08675	62846/08 675	
	vi.	R.B. Nos.	V1433	V1416	V851	V933	V325	V1405	V312	V1439	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					AJT				
	ii.	SECONDARY Shock Absorber (Make)					GABRIAL				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					LESS WHEEL DIA				

VPUHX-4004



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4003	DISPATCH DATE:				26.12.2014
2.	RAILWAY	NR	Type:	VPUHX	Coach No.:	143828	
3.	Booked to		SSE/C&W/NDLS				
4.	Tare Weight of Coach :		32 T				
5.	Carrying Capacity :	Seating:	NIL	Sleeping:	NIL	Luggage: 23 T	
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			200 mm		
	vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1128/1118	1120/1125	
	viii)	Buffer/CBC (Make)			REPL		
	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	85/86		
	8.2	APPLICATION OF PCN-123			SATISFACTORY		
	8.3	INSUALTION			SATISFACTORY		
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			ESCORTS		
	ii.	FLOOR BOARD (COMPREG)			TAYAL		
	iii.	PVC			FLOOR KOTE		
	iv.	FLOOR TOPPING COAT			FLOOR KOTE		
	v.	LUGGAGE RAKES			NA		
10.	10.1	Modification/ Trial (if any):				NIL	
	10.2	Deviations (if any):				1110/1110 , 1130/1130 (BUFFER HEIGHT)	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4003	NR	VPUHX	143828	03-12-14				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	143420				143421			
	ii.	Frame No.	UBLS-3193				UBLS-3194			
	iii.	Axle No.	RWF-92066		RWF-104508		K-2036		Y-7668	
	iv.	Wheel Diameter	915.00	915.00	915.00	915.00	916.00	916.00	916.00	916.00
	v.	Wheel Disc No.	07372/ 254	06929/ 236	05796/ 216	06962/ 295	07103/ 269	09080/ 242	06992/ 256	07101/27 6
	vi.	R.B. Nos.	V-1080	V-1148	V-1147	V-1055	V-1123	V-1251	V-1141	V-1018
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	Items Traceability:									
	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				

VPUHX-4003



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4006	DISPATCH DATE:				03.01.2015
2.	RAILWAY	NR	Type:	VPUHX	Coach No.:	143831	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach :	32 T					
5.	Carrying Capacity :	Seating:	NIL	Sleeping:	NIL	Luggage: 23 T	
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			200 mm			
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1120/1128	1120/1110		
viii)	Buffer/CBC (Make)			JLS			
ix)	Draw Gear (Make)			CFPL			
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:			Make			
i.	BRAKE EQUIPMENT			ESCORTS			
ii.	FLOOR BOARD (COMPREG)			TAYAL			
iii.	PVC			FLOOR KOTE			
iv.	FLOOR TOPPING COAT			FLOOR KOT			
v.	LUGGAGE RAKES			NA			
10.	10.1	Modification/ Trial (if any):			NIL		
	10.2	Deviations (if any):			1110/1110 , 1130/1130 (BUFFER HEIGHT)		



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4006	NR	VPUHX	143831	29-12-14				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	143452				143453			
	ii.	Frame No.	UBLS-4401				UBLS-4412			
	iii.	Axle No.	A-4509		S-1782		A-5724		U-8114	
	iv.	Wheel Diameter	916.50	916.00	917.00	917.00	916.50	916.00	917.00	917.00
	v.	Wheel Disc No.	09137/386	08912/282	08088/391	07332/209	03774/268	09028/371	09127/259	09127/268
	vi.	R.B. Nos.	U454	U479	R324	U1485	V1379	V2470	V171	V178
	vii.	R.B. Make	FAG		FAG		FAG		FAG	
	viii.	R.B. Type	Direct Mounted Spherical Roller Bearing							
12.3	Items Traceability:									
	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				

VPUHX-4006



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4005	DISPATCH DATE:			27.12.2014
2.	RAILWAY	NR	Type:	VPUHX	Coach No.:	143829
3.	Booked to		SSE/C&W/NDLS			
4.	Tare Weight of Coach :		32 T			
5.	Carrying Capacity :	Seating:	NIL	Sleeping:	NIL	Luggage: 23 T
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			200 mm		
vii)	Buffer/CBC Height	Specified : 1104 +0 /-10 mm		1106/1110	1112/1126	
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:			Make		
i.	BRAKE EQUIPMENT			ESCORTS		
ii.	FLOOR BOARD (COMPREG)			TAYAL		
iii.	PVC			FLOOR KOTE		
iv.	FLOOR TOPPING COAT			FLOOR KOTE		
v.	LUGGAGE RAKES			NA		
10.	10.1	Modification/ Trial (if any):			NIL	
	10.2	Deviations (if any):			1110/1110 , 1130/1130 (BUFFER HEIGHT)	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date		
		4005	NR		VPUHX		143829		03-12-14		
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	143406					143419			
	ii.	Frame No.	UBLS-4265					UBLS-9192			
	iii.	Axle No.	3572		5762		RWF-98603		A-4668		
	iv.	Wheel Diameter	911.00	911.00	913.00	913.00	911.00	911.00	912.00	912.00	
	v.	Wheel Disc No.	48008/ 05815	48196/ 05918	48050/ 05839	45938/ 05301	62724/ 08675	62775/ 08673	62745/ 08675	62736/08 675	
	vi.	R.B. Nos.	V-1736	V-1675	V-1782	V-1780	V-1023	V-1279	V-1206	V-1190	
	vii.	R.B. Make	FAG		FAG		FAG		FAG		
	viii	R.B. Type	Direct Mounted Spherical Roller Bearing								
12.3	Items Traceability:										
	i.	BRAKE CYLINDER (Make)					AJT				
	ii.	SECONDARY Shock Absorber (Make)					KNORR BREMSE				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					LESS WHEEL DIA				

VPUHX-4005