



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4001	DISPATCH DATE:				26.12.2014
2.	RAILWAY	NR	Type:	VPUHX	Coach No.:	143826	
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		1122/1115	1115/1118	
	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)			NA		
	iii.	PVC			NA		
	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)	



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		4001	NR	VPUHX	143830	20-11-14				
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'									
12.2	Wheel & Axle Details:	PP Side				NPP Side				
	i.	Bogie No.	143407				143410			
	ii.	Frame No.	UBLS-1049				UBLS-4382			
	iii.	Axle No.	4094		4145		RWF-91977		A-3743	
	iv.	Wheel Diameter	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	v.	Wheel Disc No.	09117/ 253	09001/ 272	09118/ 240	09115/ 255	07243/ 232	06971/ 262	05840/ 201	07245/29 0
	vi.	R.B. Nos.	S670	S668	S611	S606	S-471	S551	S657	S507
	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,PEW				
	ii.	SECONDARY Shock Absorber (Make)				GABRIEL				
12.4	i.	Modification/ Trail (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

1.	SHELL No:	4002	DISPATCH DATE:				26.12.2014
2.	RAILWAY	NR	Type:	VPUHX	Coach No.:	143827	
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		1120/1120	1110/1110	
	viii)	Buffer/CBC (Make)			REPL, 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	85/85		
	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)			ORIENTAL		
	iii.	PVC			NA		
	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)	



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12.	Bogie Details:	Shell No.		Railway		Type		Coach No.		Dispatch Date	
		4002		NR		VPUHX		143827		18-11-14	
12.1	BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'										
12.2	Wheel & Axle Details:	PP Side					NPP Side				
	i.	Bogie No.	143404					143405			
	ii.	Frame No.	UBLS-4318					UBLS-4264			
	iii.	Axle No.	RWF-92293		9671		T-5138		Y-6480		
	iv.	Wheel Diameter	915.00	915.00	913.00	913.00	913.00	913.00	911.00	911.00	
	v.	Wheel Disc No.	56332/ 07581	53160/ 07364	48294/ 05959	48343/ 05959	41726/ 03624	41717/ 03624	41497/ 03604	41594/03 604	
	vi.	R.B. Nos.	S401	S405	S652	S644	U704	U718	U722	U2698	
	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,PEW				
	ii.	SECONDARY Shock Absorber (Make)					K/B				
12.4	i.	Modification/ Trail (if any):					NIL				
	ii.	Deviations (if any):					LESS WHEEL DIA.				

VPUHX-4002