



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5036	DISPATCH DATE				18.11.2015
2.	Railway	SWR	Type	LWLRRM	Coach No.	14857	
3.	Booked to	SSE/C&W/SBC					
4.	Tare Weight of Coach	53.4 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
6.1	Leading Dimensions:						
i)	Maximum length over Body	23700+10/-0 mm					
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)					
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)					
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm		1105	1104		
v)	Buffer/CBC (Make)	ESCORTS		Fiba Device	NA		
7.	Air Brake Testing:		Description		Specified		Observed
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 -10 sec		6 Sec
			Max Pressure in BC		3.00 ± 0.15 Kg/cm ²		3.00
			All Brake are applied		OK		OK
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min		No brake application		OK
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply		OK
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		PU PAINT		VIBGYOR	87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					FAIVELEY	
iii.	CDTS					AIR FLOW	
iv.	SEATS/S&B					AMIR CHAND	
v.	BODY SIDE DOOR					JBM, SUKATA	
vi.	VESTIBULE SLIDING DOOR					KALSI	
vii.	CREW-GEN & GUARD ROOM DOOR					CP/CP	
viii.	WATER TANKS					KUTEER & SHIVALIK	
ix	FUEL TANK					GAURAV	
x	UIC VESTIBULE					ESCORTS	
XI	FLOOR BOARD					NARBADA	
XII	PVC					RESPONSIVE	
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5036		SWR		LWLRRM		14857		02-11-2015	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	156822					156821				
	ii.	Frame No.	FIAT-4206					VS-11				
	iii.	Bolster No.	5163-VT					5191-P				
	iv.	Axle No.	106122/630		126373/474		128012/988		128924/989			
	v.	Wheel Dia.	915.00	915.00	915.00	915.00	916.00	916.00	916.00	916.00		
	vi.	Wheel Disc No.	6225-00050	7166-00136	6222-00049	6202-00074	06222-00113	6228-00044	7166-00152	06222-00126		
	vii.	R.B. Nos.	05814	05793	05471	05818	05790	06062	05326	05758		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	Make & nos.		CMAFJ-15-5-6	G-13-5-074	CMAFJ-15-5-4	G-13-5-068	DN-12-06-979	CMAFJ-15-05-3	DN-12-06-931	CMAFJ-15-05-5		
ii.	Ht. at test load		512.50	467	512	466	506	469	505	468		
iii.	Align .deviation		15	17	15	21	7	7	11	12		
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			L&S-13-2		L&S-13-2		L&S			
	ii.	Primary inner Spring			G-15-3		G-15-3		GF			
	iii.	Primary Damper			25755,25578,25574,25567		25756,25569,25597,25791		KONI			
	iv.	Secondary damper			512,462		492,493		GEREP			
	v.	Lateral Damper			245		224		GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			141773/2000,142054/2000 141718/2000,142051/2000		141781/2000,142038/2000 142023/2000,141733/2000		FTI			
	viii.	Brake Disc							FTI			
	ix.	Ball joint Control arm							GMT			
	x.	Lateral Bump stop							MGN			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							GMT,MGN			
	xiv.	Traction centre elastic							GMT,SGA			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							SARITA, EMSON			
11.4	i.	Modification / Trial (if any):			NIL							
	ii.	Deviations (if any):			NIL							

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5025	DISPATCH DATE				17.11.2015
2.	Railway	SWR	Type	LWLRRM	Coach No.		14856
3.	Booked to			SSE/C&W/SBC			
4.	Tare Weight of Coach		53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
	6.1	Leading Dimensions:					
	i)	Maximum length over Body	23700+10/-0 mm				
	ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)				
	iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)				
	iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm		1102	1104	
	v)	Buffer/CBC (Make)	FAIVELEY		Fiba Device	NA	
7.	Air Brake Testing:		Description		Specified		Observed
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 -10 sec		6 Sec
			Max Pressure in BC		3.00 ± 0.15 Kg/cm ²		3.00
			All Brake are applied		OK		OK
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		No brake application		OK
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply		OK
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT		VIBGYOR	87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
	i.	BRAKE EQUIPMENT			FAIVELEY		
	iii.	CDTS			AIR FLOW		
	iv.	SEATS/S&B			AMIR CHAND		
	v.	BODY SIDE DOOR			JBM, SUKATA		
	vi.	VESTIBULE SLIDING DOOR			KALSI		
	vii.	CREW-GEN & GUARD ROOM DOOR			CP/CP		
	viii.	WATER TANKS			KUTEER & SHIVALIK		
	ix	FUEL TANK			GAURAV		
	x	UIC VESTIBULE			ESCORTS		
	XI	FLOOR BOARD			NARBADA		
	XII	PVC			RESPONSIVE		
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5025		SWR		LWLRRM		14856/C		20-10-2015	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	156788					156787				
	ii.	Frame No.	FIAT-4224					VS-410				
	iii.	Bolster No.	5170-VT					5182-P				
	iv.	Axle No.	126976/476		126452/481		125914/477		128431/983			
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	Wheel Disc No.	7150-00094	7172-00054	7166-00061	6222-00194	7150-00126	7166-00023	6222-00182	6222-00175		
	vii.	R.B. Nos.	16788	35025	30123	02228	34757	02238	29437	35035		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	CMGBD-15-6-35	G-13-5-047	CMGBD-15-6-22	G-13-5-053	CMAFJ-15-5-12	DN-11-12-283	CMAFJ-15-5-11	DN-11-12-264			
ii.	Ht. at test load	509.50	467	510	467	512	464	513	464			
iii.	Align .deviation	11	7	11	10	6	3	8	6			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			L&S-13-2		L&S-13-2		L&S			
	ii.	Primary inner Spring			G-15-3		G-15-3		GF			
	iii.	Primary Damper			26639,26565,25432,26516		26763,26627,26544,26564		KONI			
	iv.	Secondary damper			5780,5838		5622,5807		KONI			
	v.	Lateral Damper			478		311		GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			141722/2000,141751/2000 141701/2000,141825/2000		141726/2000,141470/2000 142021/2000,141746/2000		FTI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							MGN			
	x.	Lateral Bump stop							MGN			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							GMT			
	xiv.	Traction centre elastic							GMT			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON, SARITA			
11.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

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