



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4130	DISPATCH DATE				25.05.2015
2.	Railway	CR	Type	LWACCN	Coach No.	15137/C	
3.	Booked to	SSE/C&W/CSTM					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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	1105		
	v)	Buffer/CBC (Make )	ESCORTS	Fiba Device	NIL		
7.	Air Brake Testing:		Description		Specified	Observed	
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	88/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	KBI				
	ii.	CDTS/ BIO TOILET	AIR FLOW				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	JBM, SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	NA				
	vii.	WATER TANKS	KUTEER & SHIVALIK				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):			FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
	10.2	Deviations if any:			NIL		



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12.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4130	CR	LACCN	15137/C	01-05-2015			
12.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	156341				156342			
	ii.	Frame No.	ECBT-932				ECBT-947			
	iii.	Bolster No.	4670-VT				4678-VT			
	iv.	Axle No.	128514/983	RCF-0001		125561/377	126480/481			
	v.	Wheel Dia.	915.50	915.00	915.00	915.00	915.50	915.00	915.00	915.00
	vi.	Wheel Disc No.	246-10533	027-10582	169-11611	209-11611	202-10582	059-10568	097-50792	266-10568
	vii.	R.B. Nos.	32041	31530	31542	31619	01881	01900	31622	31655
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	CMFSK-15-03-47	BPS-2013-135	CMFSK-15-03-17	BPS-2013-121	CMFSK-15-03-16	BPS-2013-063	CMFSK-15-03-22	BPS-2013-081	
ii.	Ht. attest load	512	465	514	463	512	467	512	465	
iii.	Align .deviation	6	34	7	39	6	27	4	25	
12.3	<b>Items traceability:</b>									
	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	GBS-14-05		GBD-14-05		GBD			
	iii.	Primary Damper	646,116,648,202		86,217,01,61		GEREP			
	iv.	Secondary damper	810,895		735,878		GEREP			
	v.	Lateral Damper	2913		2890		KONI			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	646/691,648/691, 202/691,116/691		647/691,215/691, 184/691,208/691		KBI			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					MGN			
	x.	Lateral Bump stop					GMT			
	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					SARITA,EMSON			
12.4	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.	4127	DISPATCH DATE				28.05.2015
2.	Railway	CR	Type	LWACCN	Coach No.	15136	
3.	Booked to	SSE/C&W/CSTM					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	Luggage	NIL
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	1105		
	v)	Buffer/CBC (Make )	ESCORTS	Fiba Device	NIL		
7.	Air Brake Testing:		Description		Specified	Observed	
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	GS	85/86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			KBI		
	ii.	CDTS/ BIO TOILET			AIR FLOW		
	iii.	SEATS/ BERTHS			AAR KAY FOAMS		
	iv.	BODY SIDE DOOR			JBM, SUKATA		
	v.	VESTIBULE SLIDING DOOR			KALSI		
	vi.	SALOON DOOR			NA		
	vii.	WATER TANKS			SHIVALIK, KUTEER		
	viii.	UIC VESTIBULE			CEMCON		
	ix	FLOOR BOARD			TAYAL		
	X	PVC			RESPONSIVE		
10.							
	10.1	Modification / Trail (if any):			FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
	10.2	Deviations if any:			NIL		



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12.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4127	ER	LACCN	15136/C	03-05-2015			
12.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	156339				156340			
	ii.	Frame No.	FIAT-3830				FIAT-3626			
	iii.	Bolster No.	4772-VT				4735-P			
	iv.	Axle No.	128985/986		114170/374		128945/986		126190/471	
	v.	Wheel Dia.	915.00	915.00	915.00	915.00	915.00	915.00	915.00	915.00
	vi.	Wheel Disc No.	099-10570	010-10533	245-10579	085-10583	081-10583	334-10568	343-63309	126-61077
	vii.	R.B. Nos.	37514	37234	37849	24309	24101	37993	37855	24094
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	FSK-03-15-38	AFI-05-14-74	FSK-03-15-48	AFI-05-14-77	FSK-03-15-34	AFI-05-14-83	FSK-03-15-36	AFI-05-14-42	
ii.	Ht. attest load	512	468	512	468	513	468	513	468	
iii.	Align .deviation	8	19	9	20	8	8	7	5	
12.3	<b>Items traceability:</b>									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	L&S-03-13		L&S-03-13		L&S			
	ii.	Primary inner Spring	GBS-11-14		GBD-11-14		GBD			
	iii.	Primary Damper	219,210,966,314		38,1031,980,80		GEREP			
	iv.	Secondary damper	004,219		110,629		GEREP			
	v.	Lateral Damper	2897		2826		KONI			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	14900/691,11044/691,11771/691,723/691		641/691,721/691,640/691,1016/691		KBI			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					MGN			
	x.	Lateral Bump stop					GMT			
	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			
12.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					

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