



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

ROLLING STOCK CERTIFICATE

				Form No. :	QMF 9454; Version: 1		
1.	SHELL No.	3127	DISPATCH DATE			31.7.2014	
2.	Railway	SR	Type	LWACCN	Coach No.	14104	
3.	Booked to	SSE/C&W/PER					
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 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	86/89	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					FAIVELEY	
ii.	CDTS/ BIO TOILET					AMIT	
iii.	SEATS/ BERTHS					SAVITRI	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					JBM	
vi.	SALOON DOOR / COMPTT.DOOR					SUKATA	
vii.	WATER TANKS					EC BLADE & AMIT	
viii.	UIC VESTIBULE					KRP	
ix	FLOOR BOARD					TAYAL	
x	PVC FLOORING					RESPONSIVE	
10.							
10.1	Modification / Trail (if any):			TWIN PIPE ARRAGEMENT FOR AIR BRAKE FITTED			
10.2	Deviations if any:			NIL			



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12. Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
	3127	SR	LWACCN	14104	16-05-14

12.1 Wheel & Axle Details:	PP Side				NPP Side			
i. Bogie No.	146442				146443			
ii. Frame No.	Fiat-3133				FIAT-2912			
iii. Bolster No.	127-HEI				112-HEI			
iv. Axle No.	W-4651	RWF-109705	RWF-110282	RWF-109744				
v. Wheel Dia.	916.50	916.50	917.00	917.00	916.00	916.00	915.00	915.50
vi. Wheel Disc No.	260-62314	313-62314	319-63309	320-63309	116-62321	012-63309	067-63302	293-63309
vii. R.B. Nos.	91567	91493	91544	91411	36084	35941	11788	35939
viii. R.B. Make	SKF		SKF		SKF		SKF	
ix. RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

12.2 Secondary suspension load deflection Values:	Secondary 1				Secondary 2			
Description	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i. Make & nos.	BPS-2013-55	BPS-2013-60	BPS-2013-50	BPS-2013-188	BPS-2013-83	BPS-2013-236	BPS-2013-38	BPS-2013-226
ii. Ht. attest load	513	468	511	463	510	463	515	463
iii. Align .deviation	3	21	1	19	6	30	5	28

12.3 Items traceability:					
S no.	Item	PP Side Bogie		NPP side Bogie	Make
i.	Primary Outer Spring	BPS-2013		BPS-2013	BPS
ii.	Primary inner Spring	BPS-2013		BPS-2013	BPS
iii.	Primary Damper				SACHS
iv.	Secondary damper				SACHS
v.	Lateral Damper				SACHS
vi.	Yaw Damper				NIL
vii.	Brake cylinder & Caliper				FTI
viii.	Brake Disc				KBI
ix.	Ball joint Control arm				SGA
x.	Lateral Bump stop				GMT
xi.	Traction center make				SARITA
xii.	Traction lever make				SARITA
xiii.	Ball joint traction lever				SGA
xiv.	Traction centre elastic				GMT
xv.	Secondary rubber pad				TESPAK
xvi.	Rubber spring				GMT
xvii.	Anti roll bar make				SARITA
xviii.	Ball joint roll link				SARITA
xix.	Fork make				EMSON

12.4	i.	Modification / Trial (if any):	NIL
	ii.	Deviations (if any):	NIL

LWACCN-3127

ROLLING STOCK CERTIFICATE

				Form No. :	QMF 9454; Version: 1	
1.	SHELL No.	4006	DISPATCH DATE		31.7.2014	
2.	Railway	SR	Type	LWACCN	Coach No.	14102
3.	Booked to	SSE/C&W/PER				
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 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	NEROLAC	87/87.4	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT	FAIVELEY			
	ii.	CDTS/ BIO TOILET	AIR FLOW			
	iii.	SEATS/ BERTHS	SAVITRI			
	iv.	BODY SIDE DOOR	JBM			
	v.	VESTIBULE SLIDING DOOR	JBM			
	vi.	SALOON DOOR / COMPTT.DOOR	SUKATA			
	vii.	WATER TANKS	GLOBAL,EC BLADE & AMIT			
	viii.	UIC VESTIBULE	KRP			
	ix	FLOOR BOARD	TAYAL			
	x	PVC FLOORING	RESPONSIVE			
10.						
	10.1	Modification / Trail (if any):	TWIN PIPE ARRAGEMENT FOR AIR BRAKE FITTED			
	10.2	Deviations if any:	NIL			



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12. Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
	4006	SR	LWACCN	14102	23-6-2014

12.1 Wheel & Axle Details:	PP Side				NPP Side			
i. Bogie No.	146464				146465			
ii. Frame No.	FIAT-3042				FIAT-2894			
iii. Bolster No.	140-HEI				149-HEI			
iv. Axle No.	Z-3942	127863/1987			Z-3370	128557/989		
v. Wheel Dia.	915.50	916.00	917.00	917.00	916.00	916.00	916.00	916.00
vi. Wheel Disc No.	181-63309	081-10559	136-63305	003-63305	014-63309	087-10582	313-10533	113-63305
vii. R.B. Nos.	34470	00135	00236	00277	34392	34317	00318	34292
viii. R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
ix. RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

12.2 Secondary suspension load deflection Values:	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
Description	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i. Make & nos.	BPS-2013-02	BPS-2013-243	BPS-2013-79	BPS-2013-233	BPS-2013-61	BPS-2013-032	BPS-2013-76	BPS-2013-10
ii. Ht. attest load	516	463	515	463	511	463	510	163
iii. Align .deviation	7	24	8	26	6	28	4	29

12.3 Items traceability:	S no.	Item	PP Side Bogie	NPP side Bogie	Make
	i.	Primary Outer Spring	BPS-2013	BPS-2013	BPS
	ii.	Primary inner Spring	BPS-2013	BPS-2013	BPS
	iii.	Primary Damper			KONI
	iv.	Secondary damper			GEREP
	v.	Lateral Damper			SACHS
	vi.	Yaw Damper			NIL
	vii.	Brake cylinder & Caliper			FTI
	viii.	Brake Disc			KBI
	ix.	Ball joint Control arm			SGA
	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			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

12.4	i.	Modification / Trial (if any):	NIL
	ii.	Deviations (if any):	NIL