



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5002	DISPATCH DATE				29.12.2015
2.	Railway	ECR	Type	LWCBAC	Coach No.		15811
3.	Booked to		SSE/C&W/SPJ				
4.	Tare Weight of Coach		40.9 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	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		3.80 ± 0.15 Kg/cm ²		3.80
			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	GS	90/89		
	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	HANSPAL				
	vii.	WATER TANKS	KUTEER, SHIVALIK				
	viii.	UIC VESTIBULE	SUNCREAST				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	PREMIER POLYFILM				
	Xi	LP SHEET					
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5002		EC		LWCBAC		15811/C		06-11-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156843						156844			
	ii.	Frame No.	FIAT-4424						FIAT-4415			
	iii.	Bolster No.	5219-P						5144-GT			
	iv.	Axle No.	128870/990		128641/989		106209/630		126084/475			
	v.	Wheel Dia.	916.50	917.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	7172-00130	6202-00216	6232-00153	6213-00136	6219-00015	6198-00079	6213-00094	6197-00100		
	vii.	R.B. Nos.	06685	34714	05783	05794	06092	34990	05464	30549		
	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.	DN-12-11-2241	G-12-08-3304	DN-13-01-3027	G-12-08-3232	DN-12-05-1590	G-12-08-3294	DN-12-10-2406	G-12-08-3302			
ii.	Ht. at test load	512	467	510	466	507	467	509	468			
iii.	Align .deviation	19	10	23	13	23	23	23	26			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			L&S-13-02			L&S-13-02			L&S	
	iii.	Primary Damper			25216,25611,25376,25215			25353,25308,25130,25465			KONI	
	iv.	Secondary damper			847,413			459,1106			GEREP	
	v.	Lateral Damper			27			293			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			1123/691,1198/691,1150/691,1196/691			1152/691,1197/691,1122/691,1201/691			KBI	
	viii.	Brake Disc									FTI,KBI	
	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									MGN	
	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	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LWCBAC-5002