



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4019	DISPATCH DATE			17.04.2015
2.	Railway	ER	Type	LWCBAC	Coach No.	14801
3.	Booked to			SSE/C&W/LILUAH		
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	87/88
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				AMIT	
iii.	SEATS/ BERTHS				AAR KAY FOAMS	
iv.	BODY SIDE DOOR				SUKATA	
v.	VESTIBULE SLIDING DOOR				KALSI	
vi.	SALOON DOOR				KALSI	
vii.	WATER TANKS				AMIT, SHIVALIK, KUTEER	
viii.	UIC VESTIBULE				CEMCON	
ix	FLOOR BOARD				TAYAL	
X	PVC				RESPONSIVE	
Xi	LP SHEET				NA	
10.						
10.1	Modification / Trail (if any):				NIL	
10.2	Deviations if any:				NIL	



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4019		ER		LWCBAC		14801		31-01-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156096						156097			
	ii.	Frame No.	FIAT-3757						FIAT-3759			
	iii.	Bolster No.	4327-VT						4478-GT			
	iv.	Axle No.	A-3181			Z-3024			C-0005		A-3242	
	v.	Wheel Dia.	917.00	917.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	267-11605	023-11605	168-11610	365-11605	116-10582	327-63307	220-63309	172-11600		
	vii.	R.B. Nos.	02183	01968	02998	02846	28719	32014	37451	32005		
	viii.	R.B. Make	TIMKEN			TIMKEN			SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	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.	CMFSK-14-1-3514-169	HZ-13-166	CMFSK-14-1-3514-077	HZ-13-077	CMFSK-14-1-3514-172	HZ-13-070	CMFSK-14-1-3514-02	HZ-13-190			
ii.	Ht. at test load	512	467.30	512	464.50	507	466.90	507.50	466.60			
iii.	Align .deviation	12	36.60	14	37	18	42.70	20	48.60			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			CMRSK-13-02R-2891			CMRSK-13-03R-2891			CMRSK	
	ii.	Primary inner Spring			CMRSK-14-03R-1702			CMRSK-14-02R-1702			CMRSK	
	iii.	Primary Damper									KONI	
	iv.	Secondary damper									GEREP	
	v.	Lateral Damper									GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									KBI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MTC,SGA	
	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									EMSON	
12.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LWCBAC-4019