



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5035	DISPATCH DATE				29.1.2016
2.	Railway	NFR	Type	LWCBAC	Coach No.	15810	
3.	Booked to		SSE/C&W/GHY				
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		VIBGYOR	85/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:						Make
i.	BRAKE EQUIPMENT						FAVELLY
ii.	CDTS/ BIO TOILET						RAIL TECH
iii.	SEATS/ BERTHS						AAR KAY FOAMS
iv.	BODY SIDE DOOR						SUKATA
v.	VESTIBULE SLIDING DOOR						KALSI
vi.	SALOON DOOR						HANSPAL
vii.	WATER TANKS						KUTEER & SHIVALIK
viii.	UIC VESTIBULE						ESCORT
ix	FLOOR BOARD						NARBADA
x	PVC FLOORING						RESPONSIVE
10.							
10.1	Modification / Trail (if any):			NIL			
10.2	Deviations if any:			NIL			



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Page 2 of 3

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5035		NFR		LWCBAC		15810/C		10-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156947						156949			
	ii.	Frame No.	FIAT-4142						FIAT-4393			
	iii.	Bolster No.	5272-P						5286-P			
	iv.	Axle No.	126962/476		126733/498		126324/474		126345/474			
	v.	Wheel Dia.	916.00	916.00	916.50	916.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	6225-00109	6228-00124	6228-00102	6228-00209	6228-00104	6225-00178	6228-00020	6228-00025	6228-00020	6228-00025
	vii.	R.B. Nos.	02618	02207	02707	02822	01732	01721	02210	02649	02210	02649
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	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	Outer	Inner
i.	Make & nos.	CMAFJ-15-8-50	DN-12-6-1487	CMAFJ-15-8-41	DN-12-6-2110	RSK-15-3-008	RSK-15-3-258	RSK-15-3-123	RSK-15-3-305	RSK-15-3-305	RSK-15-3-305	RSK-15-3-305
ii.	Ht. at test load	507	466	507	466	510	467	509	468	509	468	468
iii.	Align .deviation	19	2	20	2	14	35	14	33	14	33	33
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			RSK-14-5			RSK-14-5			RSK	
	iii.	Primary Damper			517,837,536,706			447,930,701,752			GEREP	
	iv.	Secondary damper			1515,1060			1599,1534			GEREP	
	v.	Lateral Damper			475			235			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			K15182/600,L15021/600, L15007/600,L15020/600			L15037/600,L15018/600 L15016/600,L15022/600			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									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									EMSON	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LWCBAC-5035