



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5029	DISPATCH DATE			29.01.2016	
2.	Railway	NR	Type	LWSCZAC	Coach No.	163154	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	40.28 T					
5.	Carrying Capacity	Seating	78	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	NA		
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	87/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			FAIVELEY			
iii.	CDTS			RAIL TECH			
iv.	SEAT & BERTH			SUTLEJ			
v.	BODY SIDE DOORS			SUKATA, JBM			
vi.	SALOON COMPTT DOORS			KALSI			
vii.	VESTIBULE SLIDING DOOR			KALSI			
viii.	WATER TANKS			KUTEER, SHIVALIK			
ix	UIC VESTIBULE			ESCORTS			
x	LUGGAGE RACK			RAIL TECH			
XI	FLOOR BOARD			TAYAL			
XII	PVC			RESPONSIVE			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		5029	NR	LWSCZAC	163154/C	26-12-2015			
11.1	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	156961				156998			
	ii. Frame No.	FIAT-3814				FIAT-4525			
	iii. Bolster No.	4282-P				5374-VT			
	iv. Axle No.	130063/986		128238/991		126666/480		126713/468	
	v. Wheel Dia.	916.00	916.00	915.00	915.00	916.50	916.50	915.50	916.00
	vi. Wheel Disc No.	6221-00106	7282-00180	7290-00049	7282-00198	6227-00071	7273-00136	6225-00138	6207-00059
	vii. R.B. Nos.	03759	03667	02959	03797	01827	04934	01160	01254
	viii. R.B. Make	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
i.	Make & nos.	DN-12-6-1881	DN-12-6-1549	DN-12-6-1622	DN-12-6-1477	DN-13-5-3889	DN-13-5-2144	DN-13-5-3944	DN-13-5-2161
ii.	Ht. at test load	507	460	507	463	507	467	505	467
iii.	Align .deviation	19	2	20	2	17	19	20	20
11.3	Items traceability:								
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make		
	i.	Primary Outer Spring	RSK-13-2		RSK-13-2		RSK		
	ii.	Primary inner Spring	RSK-13-5		RSK-13-5		RSK		
	iii.	Primary Damper	1244,1337,1546,1491		1541,1206,1008,1293		GEREP		
	iv.	Secondary damper	1356,1394		1389,1392		GEREP		
	v.	Lateral Damper	51		137		GEREP		
	vi.	Yaw Damper					NIL		
	vii.	Brake cylinder & Caliper	L15041/600,K15190/600, L15049/600,K15187/600		M15121/600,M15109/600, M15118/600,M15102/600		FTI		
	viii.	Brake Disc					KBI		
	ix.	Ball joint Control arm					MGN		
	x.	Lateral Bump stop					MGN		
	xi.	Traction center make					SARITA		
	xii.	Traction lever make					SARITA		
	xiii.	Ball joint traction lever					SGA		
	xiv.	Traction centre elastic					MGN		
	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				

LWSCZAC-5029