



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6038	DISPATCH DATE				10.01.2017
2.	Railway	ER	Type	LWLRRM	Coach No.	16859	
3.	Booked to			SSE/C&W/HWH			
4.	Tare Weight of Coach		53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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)				SANROCK	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		APEX	87/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT				FAIVELY		
iv.	SEATS/S&B				ARR KAYEE		
v.	BODY SIDE DOOR				JBM		
vi.	VESTIBULE SLIDING DOOR				KALSI		
vii.	CREW-GEN & GUARD ROOM DOOR				/JBM		
viii.	WATER TANKS				AMIT		
ix	FUEL TANK				GOURAV		
x	UIC VESTIBULE				ESCORTS		
XI	FLOOR BOARD				NARBDA		
XII	LP SHEET				PUNJAB LAMINATE		
XIII	PVC				RESPONSIVE		
10.							
10.1	Modification / Trail (if any):BIO-TANK				RAIL TECH		
10.2	Deviations if any:				NIL		

168986



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6038		er		LWLRRM		16859/C		08-11-2016	
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166986					166987				
	ii.	Frame No.	FIAT-5217					FIAT-5210				
	iii.	Bolster No.	6328-P					6274-GT				
	iv.	Axle No.	P-9480		R-3190		N-5738		N-0883			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00		
	vi.	Wheel Disc No.	00032-07200	00022-6044	03166-6QL7	03450-6QG8	00746-6QJ9	06066-6QK6	06201-7196	00059-7196		
	vii.	R.B. Nos.	94722	93511	14722	94741	93519	87488	87918	14687		
	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-15-12-456	GBD-16-6-19	DN-15-12-433	GBD-16-6-02	G-16-1-1123	DN-16-5-460	G-16-1-1016	DN-16-5-453			
ii.	Ht. at test load	512	467	511	468	513	466	512	466			
iii.	Align .deviation	7	12	6	11	16	16	14	13			
11.3	Items traceability:											
	Sno.	Item		PP Side Bogie			NPP side Bogie			Make		
	i.	Primary Outer Spring		GBD-16-8			GBD-16-8			GBD		
	ii.	Primary inner Spring		GBD-16-8			GBD-16-8			GBD		
	iii.	Primary Damper		3962,3818,4068,4368			4065,4350,4025,4055			KNORR		
	iv.	Secondary damper		0472,0485			0627,0099			SV		
	v.	Lateral Damper		0569			0203			SV		
	vi.	Yaw Damper								NIL		
	vii.	Brake cylinder & Caliper		K16042/2000,K16008/2000 K16040/2000,K16014/2000			K16019/2000,K16013/2000 K16021/2000,K16002/2000			FTI		
	viii.	Brake Disc								FTI		
	ix.	Ball joint Control arm								MGN		
	x.	Lateral Bump stop								GMT		
	xi.	Traction center make								EMSON		
	xii.	Traction lever make								SARITA		
	xiii.	Ball joint traction lever								SGA		
	xiv.	Traction centre elastic								GMT		
	xv.	Secondary rubber pad								TECSPAK		
	xvi.	Rubber spring								GMT		
	xvii.	Anti roll bar make								SARITA		
	xviii.	Ball joint roll link								SARITA		
	xix.	Fork make								SARITA		
11.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					