



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6007	DISPATCH DATE				14.03.17
2.	Railway	ER	Type	LFCWAC	Coach No.	16026	
3.	Booked to		SSE/C&W/LILUAH				
4.	Tare Weight of Coach		43.6 T				
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage	NIL
6.	Shell Details: WA900001						
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)	CBC Height		Specified : 1105 +0 /-15 mm		1105	1105	
v)	CBC (Make)		SANROK		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		3.00 ± 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	86/88	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		FAIVELEY				
ii.	BIO TOILET		RAIL FAB+JSL LIFE STYL				
iii.	SEATS/ BERTHS		RAJENDER DASS				
iv.	BODY SIDE DOOR		SUKATA,JBM				
v.	VESTIBULE SLIDING DOOR		KALSI				
vi.	SALOON DOOR		KALSI				
vii.	WATER TANKS		(AUX)MANOJ,(U/S)AMIT,SHIVALK				
viii.	UIC VESTIBULE		KRP				
ix	FLOOR BOARD		NARBADA				
x	PVC FLOORING		RESPONSIVE				
10.							
i	Modification / Trail (if any):				NIL		
ii	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	
			6007		ER		LFCWAC		16026/C		11-12-2016	
11.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	167074				167075					
	ii.	Frame No.	FIAT-5227				FIAT-5191					
	iii.	Bolster No.	6421-GT				6429-GT					
	iv.	Axle No.	P-9675		N-5659		N-0806		N-0552			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	00144-6046	00165-6109	00032-6064	00135-6046	00180-6048	00128-6048	00016-6048	00056-6048	00016-6048	00056-6048
	vii.	R.B. Nos.	93875	87987	87721	88001	98844	94275	87940	94401	87940	94401
	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	Outer	Inner
i.	Make & nos.	AFJ-16-9-2	RSK-16-5-437	AFJ-16-9-25	RSK-16-5-602	AFJ-16-9-20	RSK-16-5-746	AFJ-16-9-21	RSK-16-5-407	AFJ-16-9-21	RSK-16-5-407	RSK-16-5-407
ii.	Ht. at test load	510	467	512	468	510	467	512	468	512	468	468
iii.	Align .deviation	17	43	15	36	19	28	20	31	20	31	31
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			RSK-15-11		RSK-15-11		RSK			
	ii.	Primary inner Spring			RSK-16-3		RSK-16-3		RSK			
	iii.	Primary Damper			475,494,675,308		451,691,211,479		GEREP			
	iv.	Secondary damper			604,767		0723,0607		SV			
	v.	Lateral Damper			0235		0268		SV			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			G16177/600,G16245/600 G16176/600,G16248/600		G16172/600,G16249/600 G16173/600,G16247/600		FTI			
	viii.	Brake Disc							KBI			
	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							TECSPACK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							SARITA			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							EMSON			
11.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					



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Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6012	DISPATCH DATE			21.03.17	
2.	Railway	ER	Type	LFCWAC	Coach No.	16027	
3.	Booked to	SSE/C&W/LILUAH					
4.	Tare Weight of Coach	43.6 T					
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage	NIL
6.	Shell Details: WA900001						
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)	CBC Height		Specified : 1105 +0 /-15 mm		1105	1105	
v)	CBC (Make)		SANROK		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		3.00 ± 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					KBI	
ii.	BIO TOILET					RAIL FAB+JSL LIFE STYL	
iii.	SEATS/ BERTHS					RAJENDER DASS	
iv.	BODY SIDE DOOR					NEERA	
v.	VESTIBULE SLIDING DOOR					KALSI	
vi.	SALOON DOOR					--	
vii.	WATER TANKS					(AUX)AMIT(U/S),SHIVALK	
viii.	UIC VESTIBULE					ESCORT	
ix	FLOOR BOARD					NARBADA	
x	PVC FLOORING					RESPONSIVE	
10.							
i	Modification / Trail (if any):				NIL		
ii	Deviations if any:				NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6012		ER		LFCWAC		16027/C		28-01-2017	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	176079						176080			
	ii.	Frame No.	FIAT-5458						SCI/FM-770			
	iii.	Bolster No.	6602-GT						6598-GT			
	iv.	Axle No.	S-2975			P-9644			R-3043		N-0807	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00		
	vi.	Wheel Disc No.	00062-6134	00182-6047	00191-6044	00154-6178	00175-6178	00033-6105	00067-6067	00064-6164		
	vii.	R.B. Nos.	86445	33618	35161	35581	39391	22441	35620	33503		
	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.	ABOK-16-9-11	FSK-16-11-95	ABOK-16-9-15	FSK-16-11-134	ABOK-16-9-23	FSK-16-11-27	ABOK-16-9-22	FSK-16-11-38			
ii.	Ht. at test load	512	466	512	466	512	465.50	510	465			
iii.	Align .deviation	17	9	15	7	20	8	20	8			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			GBD-16-11			GBD-16-11			GBD	
	ii.	Primary inner Spring			RSK-16-03			RSK-16-03			RSK	
	iii.	Primary Damper			36276,36330,36297,36213			36250,36529,36283,36237			KONI	
	iv.	Secondary damper			0256,0381			0001,0224			SV	
	v.	Lateral Damper			0361			0427			SV	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			4887/691,4739/691 4886/691,4732/691			4818/691,4730/691 4824/691,4735/691			KBI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									SGA,MGN	
	xiv.	Traction centre elastic									SGA	
	xv.	Secondary rubber pad									TECSPAK	
	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				

LFCWAC -6012