रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

रोलिंग स्टॉक प्रमाण-पत्र ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6013		DISPATCH DATE					**05.08.16**
2.	Railway	**ER**	Type	**LWLRRM**		Coach No.			**16851**
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)		**FAVELLY**		**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/cm²		6 –10 sec			6 Sec
				Max Pressure in BC		3.00 ± 0.15 Kg/cm²			3.00
				All Brake are applied		OK			OK
	7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm²/min		No brake application			OK
	7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm²/Sec, After 02 Sec.		Brake must apply			OK
8.	PAINTING DEATAILS:			TYPE OF PAINT		MAKE		AVERAGE GLOSS VALUE	
	8.1	PAINT		**PU PAINT**		**GS**		**86**	
	8.2	APPLICATION OF PCN-123		**SATISFACTORY**					
	8.3	INSUALTION		**SATISFACTORY**					
9.	Traceability of Furnishing Items:					Make			
	i.	BRAKE EQUIPMENT				**KBI**			
	iii.	BIO TANK				**RAIL FAB**			
	iv.	SEATS/S&B				**ARR KAYEE**			
	v.	BODY SIDE DOOR				**SUKATA**			
	vi.	VESTIBULE SLIDING DOOR				**HP**			
	vii.	CREW-GEN & GUARD ROOM DOOR				**JBM/CP**			
	viii.	WATER TANKS				**AMIT & MANOJ**			
	ix	FUEL TANK				**GAURAV**			
	x	UIC VESTIBULE				**KRP**			
	XI	FLOOR BOARD				**TAYAL**			
	XII	PVC				**RESPONSIVE**			
10.									
	10.1	Modification / Trail (if any):				NIL			
	10.2	Deviations if any:				NIL			

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		6013	ER	LWLRRM	16851/C	25-07-2016

11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	166640				166639			
	ii.	Frame No.	FIAT-4994				FIAT-5037			
	iii.	Bolster No.	5982-VT				5978-VT			
	iv.	Axle No.	N-6810		N-6744		K-6046		N-0884	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	918.00	918.00
	vi.	Wheel Disc No.	13354-00135	13353-00020	13350-00019	13354-00090	13354-00202	13350-00009	13354-00165	13350-00175
	vii.	R.B. Nos.	02513	01301	01487	02235	02088	02241	01315	01474
	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.	RSK-16-4-138	RSK-16-1-99	RSK-16-5-027	RSK-16-1-121	RSK-16-5-360	G-12-9-331	RSK-16-5-330	G-12-9-047
ii.	Ht. at test load	511	466	509	465	513	466	515	468
iii.	Align .deviation	13	13	11	13	8	22	8	15

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-16-6	RSK-16-6	RSK
	iii.	Primary Damper	1464,1725,1462,1456	1556,1735,1639,1490	KNORR
	iv.	Secondary damper	363,0495	0331,0461	KNORR
	v.	Lateral Damper	0351	345	KNORR
	vi.	Yaw Damper			NIL
	vii.	Brake cylinder & Caliper	3701/261,K-3772/260 3702/261,K3711/260	3699/261,3726/261 3700/261,3716/261	KBI
	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			MGN
	xiv.	Traction centre elastic			GMT
	xv.	Secondary rubber pad			TECSPAK
	xvi.	Rubber spring			GMT
	xvii.	Anti roll bar make			EMSON
	xviii.	Ball joint roll link			SARITA
	xix.	Fork make			SARITA
11.4	i.	Modification / Trial (if any):	NIL		
	ii.	Deviations (if any):	NIL		