



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6077	DISPATCH DATE				11.04.2017
2.	Railway	NFR	Type	LWLRRM	Coach No.	16858	
3.	Booked to	SSE/C&W/GHY					
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 )	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 <sup>2</sup>	6 -10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	GS	85		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			FAVELLY		
	iii.	BIOTOILET			RAIL TECH		
	iv.	SEATS/S&B			AMIR CHAND		
	v.	BODY SIDE DOOR			JVR		
	vi.	VESTIBULE SLIDING DOOR			HANSPAL		
	vii.	CREW-GEN & GUARD ROOM DOOR			KALSI/JBM		
	viii.	WATER TANKS			SHIVALIK(AUX),KUTEER (U/S)		
	ix	FUEL TANK			GAURAV		
	x	UIC VESTIBULE			ESCORT		
	XI	FLOOR BOARD			NARBADA		
	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			
			6077	NFR	LWLRRM	16858	28-03-2017			
11.1	Wheel & Axle Details:		Gen.van side 1 hand brake				Gen.van side 2			
	i.	Bogie No.	176282				176281			
	ii.	Frame No.	FIAT-5608				SCI/FM-794			
	iii.	Bolster No.	6732-P				6750-P			
	iv.	Axle No.	S-1826		S-9221		S-9284		S-1755	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vii.	Wheel Disc No.	00114/6136	00153/6225	00139/6191	00141/6191	00138/6203	00187/6201	00093/6216	00151/6191
	viii.	R.B. Nos.	75856	76017	73165	79052	76224	76762	73115	79046
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
	x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	G-15-9-081	G-15-10-164	G-15-9-029	G-15-10-166	RSK-16-10-723	G-15-10-180	RSK-16-10-800	G-15-10-149	
ii.	Ht. at test load	510	466	511	466	513	469	513	470	
iii.	Align .deviation	8	9	7	6	11	4	7	2	
11.3	Items traceability:									
	Sno.	Item				Make				
	i.	Primary Outer Spring		FSK-16-11		FSK-16-11		FSK		
	ii.	Primary inner Spring		GBD-16-8		GBD-16-8		GBD		
	iii.	Primary Damper		37278,37009,37210,36986		37020,37023,37170,37295		KONI		
	iv.	Secondary damper		0622,0574		0565,0742		SV		
	v.	Lateral Damper		0471		0470		SV		
	vi.	Brake cylinder & Caliper		A17016/2000,A17005/2000 A17022/2000,A17004/2000		B17021/2000,B17006/2000 B17024/2000,A17014/2000		FTI		
	vii.	Brake Disc						FTI		
	viii.	Control arm top						KUMAR		
	ix.	Control arm bottom						KUMAR		
	x.	Top Rubber Pad						SGA		
	xi.	Vertical Bump Stop						GMT		
	xii.	Ball joint Control arm						MGN		
	xiii.	Lateral Bump stop						GMT		
	xiv.	Traction center make						EMSON		
	xv.	Traction lever make						SARITA		
	xvi.	Ball joint traction lever						MGN		
	xvii.	Traction centre elastic						SGA		
	xviii.	Secondary rubber pad						TECSPAK		
	x ix.	Rubber spring						GMT		
	x x.	Anti roll bar make						EMSON, SARITA		
	x xi.	Ball joint roll link						SARITA		
	x xii.	Fork make						SARITA		
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

