



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5053	DISPATCH DATE				05.11.2015
2.	Railway	WR	Type	LWACCN	Coach No.	15130	
3.	Booked to	SSE/C&W/BCT/M					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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	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		3.80 ± 0.15 Kg/cm ²		3.80
			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	85/88	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		FAIVELEY				
ii.	CDTS/ BIO TOILET		AIR FLOW				
iii.	SEATS/ BERTHS		RAJINDER DASS				
iv.	BODY SIDE DOOR		JBM				
v.	VESTIBULE SLIDING DOOR		KALSI				
vi.	SALOON DOOR		KALSI				
vii.	WATER TANKS		E C BLADES, MANOJ				
viii.	UIC VESTIBULE		SUNCREAST				
ix	FLOOR BOARD		NARBADA				
X	PVC		RESPONSIVE				
10.							
10.1	Modification / Trail (if any):				FITTED WITH BIO DIGESTER OF M/s RAIL FAB		
10.2	Deviations if any:				NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5053		WR		LACCN		15130/C		17-10-2015	
11.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	156734				156735					
	ii.	Frame No.	SCI/FM-190				SCI/FM-188					
	iii.	Bolster No.	5146-GT				5155-VT					
	iv.	Axle No.	126498/481		126611/480		129151/992		126056/475			
	v.	Wheel Dia.	915.50	915.50	916.00	916.00	916.00	916.00	915.50	915.00		
	vi.	Wheel Disc No.	6198-00191	6219-00036	6228-00018	7147-00006	6211-00207	6192-00081	6211-00221	6211-00189		
	vii.	R.B. Nos.	01573	02217	02227	22034	01230	02206	02240	02239		
	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.		G-15-4-161	DN-12-8-1487	G-15-4-108	DN-12-6-1852	G-15-4-148	DN-12-6-1528	G-14-4-142	G-12-6-150		
ii.	Ht. at test load		512	466	514	462	512	468	512	467		
iii.	Align .deviation		14	5	16	9	18	4	18	7		
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			G-15-3			G-15-3			GF	
	iii.	Primary Damper			26619,26770,26514,26660			26618,26510,26628,26534			KONI	
	iv.	Secondary damper			5981,5814			5856,5902			KONI	
	v.	Lateral Damper			171			483			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			H15179/600,H15156/600, H15183/600,H15154/600			H15162/600,15133/600, 15166/600,15164/600			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									MGN,SGA	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TESPAK	
	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				

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5059	DISPATCH DATE				06.11.2015
2.	Railway	WR	Type	LWACCN	Coach No.	15131	
3.	Booked to	SSE/C&W/BCT/M					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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	1102	1105		
	v)	Buffer/CBC (Make)	FAIVELEY	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	3.80 ± 0.15 Kg/cm ²	3.80		
			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	85/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	KBI				
	ii.	CDTS/ BIO TOILET	AIR FLOW				
	iii.	SEATS/ BERTHS	ADVANCE				
	iv.	BODY SIDE DOOR	JBM, SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	E C BLADES, MANOJ, AMIT				
	viii.	UIC VESTIBULE	SUNCREAST				
	ix	FLOOR BOARD	NARBADA				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):	FITTED WITH BIO DIGESTER OF M/s RAIL FAB				
	10.2	Deviations if any:	NIL				



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5059		WR		LACCN		15131		23-10-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156771						156772			
	ii.	Frame No.	VS-33						VS-29			
	iii.	Bolster No.	5164-VT						5141-GT			
	iv.	Axle No.	129338/982		126126/471		128170/984		126415/481			
	v.	Wheel Dia.	915.00	915.00	915.50	915.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	6192-00165	6192-00204	06148-00068	6196-00169	6191-00131	6202-00063	6202-00043	6202-00043	6202-00040	6202-00040
	vii.	R.B. Nos.	22484	34350	30531	02541	02954	02746	30157	30157	35028	35028
	viii.	R.B. Make	SKF		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.	CMAFJ-15-5-2	DN-12-5-1474	CMAFJ-15-5-6	DN-12-6-1338	CMAFJ-15-5-9	DN-12-8-1453	CMAFJ-15-5-23	DN-12-8-1455			
ii.	Ht. at test load	515	463	515	467	515	463	515	462			
iii.	Align .deviation	10	6	13	9	7	6	11	8			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			G-15-5			G-15-5			GF	
	iii.	Primary Damper			26523,26536,26511,26551			26499,26335,26287,26491			KONI	
	iv.	Secondary damper			5282,5776			5419,5696			KONI	
	v.	Lateral Damper			43			28			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			1627/691,1169/691,1629/691,1642/691			1098/691,1166/691,1606/691,1642/691			KBI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA,EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									GMT,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 SARITA	
11.4	i.	Modification / Trial (if any):									NIL	
	ii.	Deviations (if any):									NIL	

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