

### Coaching Deppot JBP Single Car Testing

<b>Date</b> 23/11/2023	<b>Coach No</b> 076528	<b>Type</b> GS	<b>Rly</b> SR	<b>POH Date</b> 23/11/2023	<b>POH Station</b> CW/PER	<b>R/Date</b> 6/25	<b>YB</b> 2007
<b>IOH 'C' Date</b> NIL	<b>IOH Station 'C' Sch</b> NA	<b>DV Make</b> EK	<b>DV No</b> 0507A0319	<b>SAB Make</b> SWIL	<b>MR Pressure</b> 7 kg/cm <sup>2</sup>	<b>BP Pressure</b> 5 kg/cm <sup>2</sup>	<b>FP Pressure</b> 6 kg/cm <sup>2</sup>

Check	Specified	Actual
AR + FP charging	6.0 kg/cm <sup>2</sup> 270 + 30 seconds	525 sec
CR charging	4.8 kg/cm <sup>2</sup> 160 - 210 seconds	174 sec

S.No	Test	Specified Value	Actual Value		
1	LEAKAGE RATE TEST				
1.1	Brake pipe	0.2 kg/cm <sup>2</sup> per minute	Ok		
1.2	Leakage in Brake pipe	0.2 kg/cm <sup>2</sup> per minute	0.01 kg/cm <sup>2</sup>		
1.3	Feed pipe	0.2 kg/cm <sup>2</sup> per minute	Ok		
1.4	Leakage in Feed pipe	0.2 kg/cm <sup>2</sup> per minute	0.12 kg/cm <sup>2</sup>		
2	BRAKE APPLICATION TEST				
2.1	Brake cylinder filling time (from 0 to 3.6 kg/cm <sup>2</sup> )	3 to 5 seconds	4 sec		
2.2	Maximum brake cylinder pressure	3.8 + 0.1 kg/cm <sup>2</sup>	3.94 kg/cm <sup>2</sup>		
3	BRAKE RELEASE TEST				
3.1	Brake cylinder release time (3.8 to 0.4 kg/cm <sup>2</sup> )	15 to 20 sec	15 sec		
4	SENSITIVITY & IN SENSITIVITY TEST				
4.1	Brake application when brake pressure is reduced at the rate of 0.6 kg/cm <sup>2</sup> in 6 seconds	Brake should apply	Ok		
4.2	Brake application when brake pressure is reduced at the rate of 0.3 kg/cm <sup>2</sup> in 60 seconds	Brake should not apply	Ok		
5	EMERGENCY BRAKE APPLICATION & RELEASE TEST				
5.1	Maximum brake cylinder pressure	3.8 ± 0.1 kg/cm <sup>2</sup>	3.78 kg/cm <sup>2</sup>		
5.2	Leakage in BC pressure in 5 minutes after emergency application	0.1 kg/cm <sup>2</sup> within 5 minutes	0.1359999		
5.3	Manual release of brake cylinder after emergency application	Brake cylinder should get fully released	Ok		
8	GRADUATED BRAKE APPLICATION AND RELEASE				
6.1	Graduate Apply			B.P (kg/cm <sup>2</sup> )	B.C (kg/cm <sup>2</sup> )
			Step1	4.54	0.68
			Step2	4.36	1.12
			Step3	4.17	1.8
			Step4	3.98	2.39
			Step5	3.76	3.07
			Step6	3.56	3.76
			Step7	3.36	4.14

			Ok																											
6.2	Graduate Release		<table><tr><td></td><td><b>B.P (kg/cm<sup>2</sup>)</b></td><td><b>B.C (kg/cm<sup>2</sup>)</b></td></tr><tr><td>Step1</td><td>3.62</td><td>3.80</td></tr><tr><td>Step2</td><td>3.82</td><td>3.12</td></tr><tr><td>Step3</td><td>4.03</td><td>2.55</td></tr><tr><td>Step4</td><td>4.20</td><td>2.00</td></tr><tr><td>Step5</td><td>4.40</td><td>1.38</td></tr><tr><td>Step6</td><td>4.57</td><td>0.88</td></tr><tr><td>Step7</td><td>4.97</td><td>0</td></tr><tr><td colspan="3">Ok</td></tr></table>		<b>B.P (kg/cm<sup>2</sup>)</b>	<b>B.C (kg/cm<sup>2</sup>)</b>	Step1	3.62	3.80	Step2	3.82	3.12	Step3	4.03	2.55	Step4	4.20	2.00	Step5	4.40	1.38	Step6	4.57	0.88	Step7	4.97	0	Ok		
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7	PISTOL STROKE ON 1.5 KG/CM <sup>2</sup> BP PRESSURE DROP	Under frame mounted 60 ± 10 mm	0 mm																											
		BMBC 32 mm	40 mm																											
8	PASSENGER EMERGENCY VALVE TEST																													
8.1	Pull handle	1. Air to exhaust from PEAV & PEASD	Ok																											
		2. Brake should apply	Ok																											
		3. Coach indication light should glow	NA																											
8.2	Reset PEASD	Exhaust of air should stop and indication light should extinguish	NA																											
9	GUARD EMERGENCY VALVE TEST																													
9.1	Pull valve handle	1. Brake pipe air to exhaust	NA																											
		2. Brake should apply	NA																											
9.2	Normalize the handle	Air exhaust to stop	NA																											
9.3	Testing of brake pipe and feed pipe gauge in guard compartment	Gauge should register variation in brake pipe and feed pipe pressure	NA																											
10	DIRT COLLECTOR	Cleaned/Renewed	NA																											
11	CHECK AND ADJUST SLACK ADJUSTER																													
11.1	'A' Dimension	16 ± 0.2 mm for 13 ton bogies	NA																											
		22 ± 0.2 mm for 16.25 ton bogies	NA																											
11.2	'E' Dimension	375 ± 25 mm	NA																											
11.3	Pay out test		NA																											
11.4	Pay in test		NA																											

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