

Amendment No. 2 of December, 2017 applicable to Check sheet of BTPN wagon No. WD-CS-01-BTPN-BMBS (VARIANT-'B') 2011 for Bogie POL Tank Wagon type BTPN

Page No. 12 & 13 i.e. "AIR BRAKE TEST FOR SINGLE WAGON WITH SINGLE PIPE FOR BTPN (BMBS) WAGONS" to be read as under:

SINGLE WAGON AIR BRAKE TEST FOR BTPN (BMBS) WAGONS

Wagon No..... Bogie Make..... DV Make.....

S. No.	Check	Specified	Actual
1	Pressure in B.P.	5 ± 0.1 Kg/cm ²	
2	Pressure in F.P.	Not Applicable (For single pipe) 6 ± 0.1 Kg/cm ² (For twin pipe)	
3	Pressure in A.R.	5 ± 0.1 Kg/cm ² (For single pipe) 6 ± 0.1 Kg/cm ² (For twin pipe)	
4	Leakage from the system in one minute	0.1 Kg/cm ² (max.)	
5	Full service application after charging		
5.1	Brake cylinder filling time a) Empty (Pressure rise from 0 to 2.1 Kg/cm ²) b) Loaded (Pressure rise from 0 to 3.6 Kg/cm ²)	18 to 30 sec. 18 to 30 sec.	
5.2	Maximum brake cylinder pressure a) Empty b) Loaded	2.2 ± 0.25 Kg/cm ² 3.8 ± 0.1 Kg/cm ²	
5.3	Reduction in BP pressure required for full service application.	1.3 to 1.6 Kg/cm ²	
6	Release after full service application.		
6.1	Draining time (Brake cylinder pressure to fall from 3.8±0.1 Kg/cm ² to 0.4 Kg/cm ²) a) Empty b) Loaded	45 to 60 sec. 45 to 60 sec.	
7	Sensitivity of brakes Isolate brake pipes from mainline. Check the response of brakes when brake pipe pressure is reduced at the most equal to 0.6 Kg/cm ² in 6 sec	Brake should apply within 6 sec.	
8	Insensitivity of brakes Isolate brake pipe from mainline. Check the pressure of brakes when brake pipe pressure is reduced at least equal to 0.3 Kg/cm ² in 60 sec.	Brake should not apply.	
9	Emergency application		
9.1	Brake cylinder filling time a) Empty (Pressure rise from 0 to 2.1 Kg/cm ²) b) Loaded (Pressure rise from 0 to 3.6 Kg/cm ²)	18 to 30 sec. 18 to 30 sec.	
9.2	Maximum brake cylinder pressure a) Empty b) Loaded	2.2 ± 0.25 Kg/cm ² 3.8 ± 0.1 Kg/cm ²	

NOTE: These check sheets do not detail all the dimensions or technical requirements of respective wagon assemblies/ components. These check sheets are issued only for General Guidance & assistance of inspecting officials. Notwithstanding the above, the inspecting officials are advised to refer the relevant drawings and/ or relevant specifications to confirm conformity to the specified dimensions and technical details

10	Piston stroke Empty (However, if in a few cases, the piston stroke at empty pressure during testing on SWTR exceeds the specified range, the piston stroke is to be tested by locking the wheels with wedges).	54±10 mm	
11	Leakage from brake cylinder after emergency application.	0.1 Kg/cm ² (max.) within 5 minutes.	
12	Automatic exhausting of brake cylinder and control chamber.		
12.1	Apply emergency brakes (i.e. BP=0 Kg/cm ²). Check the brake cylinder pressure after giving a brief pull to release hook.	Brake cylinder and control reservoirs should exhaust automatically.	
13	Empty load change over by APM Device		
13.1	Unrestricted movement of lever arm APM Device.	Brake cylinder pressure 2.2 ± 0.25 Kg/cm ² .	
13.2	Restrict the movement of lever arm of APM Device by more than 25 mm (by putting a block of 25 mm thickness) from its initial position	Brake cylinder pressure 3.8 ± 0.1 Kg/cm ² .	
14	Hand Brake		
14.1	Apply hand brakes (by one person only and strike all wheels with hammer).	There should not be ringing sound.	
15	AR Charging time (Pressure rise from 0 to 5.0 Kg/cm ²)	175 ± 30 sec for C3W D.V. 60 to 120 sec for KEO D.V.	
16	CR charging time (pressure rise from 0 to 4.8 Kg/cm ²)	165 ± 20 sec for C3W D.V. 160 to 210 sec for KEO D.V.	

Note:- S. No. 15 and 16 to be checked at the time of prototype wagon only.

Works Inspector		RDSO Inspector	
Signature:		Signature:	
Name:		Name:	
Designation:		Designation:	
Date:		Date:	

NOTE: These check sheets do not detail all the dimensions or technical requirements of respective wagon assemblies/ components. These check sheets are issued only for General Guidance & assistance of inspecting officials. Notwithstanding the above, the inspecting officials are advised to refer the relevant drawings and/ or relevant specifications to confirm conformity to the specified dimensions and technical details