



**QM-C-7.1/AB/0018/B**

**Inspection Plan(Check Sheet)**

**Item:** Loco Brake Equipments (SA-9 Ind. Brake Valve)  
**Specn. :** MP.0.01.00.19, Rev.01 of June'2010  
**Amd.:**  
**Drg. No. & Alt.:** WEBCO PC No. 564141 (WEBCO Test Spec. No. T-2555-0)

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1.	Name of Manufacturer	
2.	Description of material	
3.	Purchase Order	
4.	Total Quantity ordered	
5.	Quantity Earlier passed	
6.	Quantity now offered	
7.	Consignee	
8.	D.P.	

1.	Date of Inspection	
2.	Qty. Accepted	
3.	Qty. Rejected	
4.	Balance order	

- 1.0 Pre-Inspection checks
- 1.1 Sample Plan : (10%)
- 1.2 Ensure availability of valid Internal Test reports YES NO
- 1.3 Ensure calibration status of equipment, test benches, gauges and instruments to be used in inspection. YES NO
- 1.4 Availability of adequate Air pressure on test bench. YES NO

Signature of firms Representative

RDSO Representative



TEST REPORT

PRODUCT : SA-9 IND. BRAKE VALVE  
PART No. 503 0010 00  
TS REF :

WABCO Pt.No.564141  
WABCO TEST REF No. T-2555-0  
Date :

Test No.	Test Description	Result	Results Obtained																	
			Sl.No. of Valves																	
7.0	Adjustment																			
7.5	Move handle to Full App. Position & observe AR gauge.	Pr. Rises to 40 PSI																		
7.6	Move handle to release position & observe AR Gauge.	Pr. drops to 0 PSI																		
7.7	Move handle to Full App. Position & observe AR gauge.	Pr. Rises to 40 PSI																		
	<b>RESISTANCE TO HANDLE MOVEMENT</b>																			
	Release to Ind. Release	8 to 12 lbs																		
	Ind. Release o release	Must return unassisted																		
	Release to Full appln.	12 o 22 lbs																		
	Between release and full application	Not more than 5 lbs																		
	Out of full application to release	9 to 13 lbs																		

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8.0	<b>LEAK TESTING</b>																		
8.4	SUP. CHK. VALVE & O RING																		
8.4.1	Observe pressure drop. In ER & AR gauge	1 PSI max. drop in 10 secs.																	
8.5	EX. CHK. VALVE & O RING																		
8.5.3	Observe pressure drop. In ER & AR gauge	1 PSI max. drop in 10 secs.																	
8.6	CASTING OR GASKET																		
8.6.1	Check leak at cock 4	No float rise																	
8.7.0	IND. RELEASE VALVE O RING																		
8.7.1	Check leak at cock 8	No float rise																	
8.8	CASTING OR GASKET																		
8.8.3	Check leak through entire valve	No leakage																	
8.9	IND. RELEASE VALVE O RING																		
8.9.2	Observe pressure drop in BP line gauge	No pressure drop in 10 secs.																	
8.9.5	Check leak at cock 8	No float rise																	
9.0	<b>CAPACITY TESTING</b>																		
9.2	PORT 30 TO PORT 20																		
9.2.1	Observe pr. rise in AR gauge	Pressure rises from 0 to 30 PSI in 6 sec. Max.																	
9.3	PORT 20 TO EXHAUST																		
9.3.2	Observe pr. drop. In AR gauge	Pressure rise from 40 to 10 PSI in 6 to 9 sec.																	

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9.4	PORT 7 TO PORT 1																		
9.4.2	Observe pr. Rise in BP. VOL. gauge	Pressure drops from 0 to 110 PSI in 9 to 13 sec.																	
10.0	<b>SENSITIVITY</b>																		
10.3	Observe pr. drop in AR gauge	Pr. Drops to 0 PSI																	
10.4	Observe pr. rise in AR gauge	Pr. Rises in corresponding steps of not more than 3 PSI																	
10.5	Observe pr. drop r AR gauge.	Pr. Drops in corresponding steps of not more than 3 PSI																	
10.6	Observe pr. drop. In AR gauge	Pr. Drops is not more than 5 PSI.																	

Signature of firms Representative

RDSO Representative