



QM-C-7.1/AB/0018/Q

Inspection Plan(Check Sheet)

Item: Loco Brake Equipments (28-VB Control Valve)
Specn. : MP.0.01.00.19, Rev.01 of June'2010
Amd.:
Drg. No. & Alt.: WEBCO PC No. 563855 (WEBCO Test Spec. No. T-2630-0)

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 Sampling 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: 28 VB CONTROL VALVE
PART No. 513001000
TS REF : TS-016-1

WABCO PART. No. 563855
WABCO TEST REF No. T-2630-0
Date :

| Test No. | Test Description | Result to be obtained | Results Obtained | | | | | | | | | |
|----------|--|---------------------------------|------------------|--|--|--|--|--|--|--|--|--|
| | | | Sl.No. of Valves | | | | | | | | | |
| | LEAKAGE | | | | | | | | | | | |
| | SER.PISTON CHK.VALE | | | | | | | | | | | |
| 8.2.5 | Check leak at cock 8 | 4 Cu. Inch. Max rise | | | | | | | | | | |
| 8.2.6 | Open cocks 2,9 & A & check leak at cock 8 | No float rise | | | | | | | | | | |
| 8.2.7 | SER.PISTON.PSH PIN O RING | | | | | | | | | | | |
| | Check leak at cock A | No float rise | | | | | | | | | | |
| 8.3 | SER LAP POSITION | | | | | | | | | | | |
| 8.3.6 | Check leak at cock 8 | No float rise | | | | | | | | | | |
| 8.3.7 | SER.PISTON CHK VLV & LARGE DIAPHRAGM | | | | | | | | | | | |
| 8.3.8 | Observe BC gauge | No. pr. rise in 15 secs. | | | | | | | | | | |
| 8.3.9 | Observe ER gauge | No pr. rise or drop in 15 secs. | | | | | | | | | | |
| 8.3.10 | SER. PISTON O RING & SMALL DIAPHRAGM | | | | | | | | | | | |
| | Check leak at cock A | No float rise | | | | | | | | | | |
| 8.4 | SERVICE POSITION | | | | | | | | | | | |
| 8.4.2 | Service piston 'O' Ring & small diaphragm | | | | | | | | | | | |
| 8.4.4 | Check leak at cock A | No float rise | | | | | | | | | | |
| 8.4.5 | Check leak at cock 8 | No float rise | | | | | | | | | | |
| 8.4.5 | SER. PISTON CHK VALVE & 'O' RING | | | | | | | | | | | |
| 8.4.6 | SER.PISTON LARGE DIAPHRAGM & CONT. RES.CHK.VALVE | | | | | | | | | | | |
| | Observe BP Line gauge | No pressure drop in 15 secs. | | | | | | | | | | |

Signature of firms Representative

RDSO Representative



| | | | | | | | | | | | | | | |
|-------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 8.5 | Casting & Gasket | | | | | | | | | | | | | |
| 8.5.2 | Check leak through body | No Leakage | | | | | | | | | | | | |
| 9.0 | CAPACITY | | | | | | | | | | | | | |
| 9.5 | Ports 7 to 1 & check valve spring | | | | | | | | | | | | | |
| 9.5.1 | Observe BP VOL. Gauge | Pr. rises from 0 to 60 PSI in 3 sec max. | | | | | | | | | | | | |
| (b) | Observe BP line gauge | Pressure stops to charge at 108 to 109.5 PSI | | | | | | | | | | | | |
| 9.5 | Ports 30 to 16 | | | | | | | | | | | | | |
| 9.6.2 | Observe BC gauge | Pressure rises from 0 to 70 PSI in 3 secs max. | | | | | | | | | | | | |
| 9.7 | Ports 16 to 10 | | | | | | | | | | | | | |
| 9.7.2 | Observe BC gauge | Pr. drops from 80 to 20 PSI in 6 to 9 secs. | | | | | | | | | | | | |
| 10 | FUNCTION | | | | | | | | | | | | | |
| 10.4 | FUNCTION | Pressure rises 13 to 18 PSI | | | | | | | | | | | | |
| 10.6 | Close cock 17 and observe BC gauge (Q.SER=50 PSI) | Pressure rises 44 to 50 PSI. | | | | | | | | | | | | |
| 10.8 | Close cock A and observe BC gauge (Q.SER=20 PSI) | Pressure rises 18 to 23 PSI. | | | | | | | | | | | | |
| 10.9 | Open cock A and observe BC gauge (QSER=0 PSI) | Pr. drops to 0 PSI | | | | | | | | | | | | |
| 10.12 | Observe BC gauge (ER=107PSI) | Pr. rises to 4 PSI min. | | | | | | | | | | | | |
| 10.13 | Close cock 6 & observe BC gauge | Pr. rises in corresponding steps of 5 to 7.5 PSI | | | | | | | | | | | | |
| 10.15 | Close cock 9 and observe BC gauge. | Pr. rises in corresponding steps of 5 to 7.5 PSI | | | | | | | | | | | | |
| 10.18 | Close cock 17 and observe BC gauge (QSER=50 PSI) | Pr. rises 66 to 74 PSI. | | | | | | | | | | | | |
| 10.19 | Open cock A and observe BC gauge (QSER=0PSI) | Pr. drops to 28 to 22 PSI. | | | | | | | | | | | | |

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