



QM-C-7.1/AB/0004/M

Inspection Plan(Check Sheet)

Item: Pressure gauge for Air Brake system-coaching & freight stock
Specn. : 02-ABR-02, Appendix-O & Appendix-H
Amd.: 3 of Apr'2010
Drg. No. & Alt.: WD-92047-S-01,Alt-3, SK-73553, Alt-04, WD-83062-S-05,Alt.3,
WD-91101-S-05, Alt-05

- 1) Firm's Name :
- 2) Date (Period) of Inspection :
- 3) Contract Details
- a) Contract No. & Date :
- b) Order Placing Authority :
- c) Specification No. :
(As mentioned in Contract)
- d) Drawing No. :
(As mentioned in Contract)
- 4) Quantity on Order :
- 5) Quantity offered for Inspection on Date :
- 6) Consignee :
- 7) Sampling Plan / Lot Size :

| Lot Size | Visual Check | | Physical Check | | Shock and Endurance Test | | Performance Test | |
|----------|--------------|-------------------------------|----------------|-------------------------------|--------------------------|-------------------------------|------------------|-------------------------------|
| | Sample Size | Acceptable limit of rejection | Sample Size | Acceptable limit of rejection | Sample Size | Acceptable limit of rejection | Sample Size | Acceptable limit of rejection |
| 0 – 25 | 100% | 0 | 3 | 0 | 1 | 0 | 5 | 0 |
| 25 – 50 | 100% | 0 | 5 | 0 | 1 | 0 | 8 | 0 |
| 50 – 75 | 100% | 0 | 8 | 0 | 2 | 0 | 10 | 0 |
| 75 - 100 | 100% | 0 | 10 | 0 | 2 | 0 | 13 | 0 |

Firm's Representative

RDSO Inspecting Authority



PARAMETERS :

1) Visual Check (100%)

| Sr.No. | Specified | Observed | Remarks |
|--------|---|----------|---------|
| a) | Month & Year of Manufacturer | | |
| b) | Name of Manufacturer | | |
| c) | Pointer Stop should be provided | | |
| d) | Painting Quality & Finish of Gauge. | | |
| e) | Gauge should be free from corrosion, Dust particles & Sharp Edge. | | |

2) Dimension Check (Sample Size : _____ Nos.)

| Sr.No. | Specified (As per Drawing) | Observed | Remarks |
|--------|---|----------|---------|
| a) | Centre of connection to end of Flange : 16mm | | |
| b) | Centre of Gauge to end of nipple : 89mm | | |
| c) | Mounting Hole Size : 5.8mm | | |
| d) | Thread Connection : 3/8" BSP (M) | | |

3) Shock Test (Sample Size : _____ Nos.)

| Sr.No. | Specified | Observed | Remarks |
|--------|---|----------|---------|
| a) | The gauge shall be subjected to a shock test, shaking with an acceleration of 30 m/s ² & a frequency of 80 to 120 shocks per minute for minimum 2 hours. Variation should not be more than $\pm 2\%$ of Maximum Scale Value. | | |

4) Endurance Test (Sample Size : _____ Nos.)

| Sr.No. | Specified | Observed | Remarks |
|--------|--|----------|---------|
| a) | The Gauge will be subjected to a pressure fluctuation of 25% to 75% of maximum scale value with a frequency maximum 1 Hz.. Variation should not be more than $\pm 1\%$ of Maximum Scale Value. | | |

5) Performance & Calibration Test (Sample Size : _____ Nos.)

| Sr.No. | Specified | Observed | Remarks |
|--------|---|----------|---------|
| a) | The gauges should be kept at pressure of maximum scale value for a period of 1 hour. Gauge should be checked with Test Gauge for up & down scale. Variation should not be more than $\pm 1\%$ of Maximum Scale Value. | | |

Firm's Representative

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