



**QM-C-7.1/AB/0001/R**

**Inspection Plan(Check Sheet)**

**Item** : Overhauling / repair kit (general) Cut off angle cock with vent  
**Spec.** : 02-ABR-02  
**Amd.** : 3 of Apr'2010  
**Drg. No. & Alt.** : WD – 88123- S - 02

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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 :

***These check sheets do not detail all the dimensions or technical requirements of respective 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 to relevant drawings and/or relevant specifications to confirm conformity to the specified dimensions and technical details.***

Signature of Firm's Representative

Signature of RDSO Official



**AIR BRAKE EQUIPMENT**

Lot size = 1000 nos

Visual Checking = 5%

Dimensional Checking – 1% or min 10nos for lot size upto 1000 nos.  
0.5% for lot size above 1000 nos.

| ITEM &<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT<br>TO DRG NO: WD – 88123-S-02 |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                            | OBSERVED DIMENSION<br>(mm) |
| ITEM – 1<br>BODY         | I.D = $44.3 \pm 0.2$                                       |                            |
|                          | I.D = $56^{+0.4}_{-0.0}$                                   |                            |
|                          | I.D = $19.2 \pm 0.2$                                       |                            |
|                          | I.D = 54   |                            |
|                          | RP 1 ¼ “<br>THREADS TO<br>IS 554                           |                            |

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| ITEM /<br>DESCR<br>IPTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|---------------------------|--|----------------------------|
|                           | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 2<br>CAP           | I.D = $44.3 \pm 0.2$                                 |                            |
|                           | I.D = $55.8 \pm 0.1$                                 |                            |
|                           | $\phi = 62 \pm 0.2$                                  |                            |
|                           | DEPTH $9.3 \pm 0.2$                                  |                            |
|                           | RP 1 ¼ “<br>THREADS TO<br>IS 554                     |                            |
|                           | $58 \pm 0.4$ CRS                                     |                            |

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| ITEM /<br>DESCR<br>IPTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|---------------------------|--|----------------------------|
|                           | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 3<br>STEM          | $O.D = 16.5^{+0.1}_{-0.2}$                           |                            |
|                           | $WIDTH = 6.2^{\pm 0.1}$                              |                            |
|                           | $OD 18.92^{-0.03}$                                   |                            |
|                           | $12^{+0.0}_{-0.1} A/F$                               |                            |

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| ITEM /<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 4<br>BALL         | O.D = $49.6^{+0.0}_{-0.2}$                           |                            |
|                          | ID = 29  |                            |
|                          | LENGTH = $3.7^{+0.0}_{-0.2}$                         |                            |
|                          | WIDTH<br>OF = $6.5^{+0.0}_{-0.2}$<br>SLOT            |                            |
|                          | DEPTH<br>OF = $8.9^{+0.0}_{-0.4}$<br>SLOT            |                            |
|                          | $6.5^{+0.0}_{-0.2}$                                  |                            |

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0.5% for lot size above 2000nos.

| ITEM /<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 5<br>'O'RING      | I.D = 57.15  |                            |
|                          | DIA = 2.62   |                            |
| ITEM – 6<br>'O'RING      | I.D = 13.95  |                            |
|                          | DIA = 2.62   |                            |

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| ITEM /<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 7<br>SEAT         | O.D = 44.5 <sup>+0.2</sup> <sub>-0.0</sub>           |                            |
|                          | DIA = 38.0   |                            |
|                          | THK = 9.5  |                            |

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| ITEM /<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 8<br>SPRING       | THK = 1.6  |                            |
|                          | I.D = 12   |                            |
|                          | WIDTH = 17.5   |                            |

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| ITEM /<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02 |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                      | OBSERVED DIMENSION<br>(mm) |
| ITEM – 9<br>HANDLE       | HOLE = 8.0/8.1                                       |                            |
|                          | WIDTH = 32.5   |                            |
|                          | DIA = 28   |                            |
|                          | LENGTH = 184   |                            |

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| ITEM /<br>DESCR<br>PTION | CUT OFF ANGLE COCK WITH VENT DRG NO: WD – 88123-S-02   |                            |
|--------------------------|--|----------------------------|
|                          | SPECIFIED<br>DIMENSION<br>IN MM                        | OBSERVED DIMENSION<br>(mm) |
| ITEM-10<br>STOP<br>PLATE | HOLE = 7.9   |                            |
|                          | LENGTH<br>FOR = 16.7 <sup>+0.3</sup><br>RADIAL<br>HOLE |                            |
|                          | WIDTH<br>FOR = 12 <sup>+0.2</sup><br>RADIAL<br>HOLE    |                            |
|                          | THK = 6.3  |                            |

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