## **DE-MAG REFURBISHMENT MAY 2010**

|  | DE-MAG EXPANSION JOINT. MAIN TOWER : SOUTH EAST.              |  |  |  |  |  |              |  |
|--|---|--|--|--|--|--|--------------|--|
|  | SE1<br>SPRING & PIN   | SE2<br>SPRING & PIN  | SE3<br>SPRING & PIN  | SE4<br>SPRING & PIN                      | SE5<br>SPRING & PIN                      | SE6<br>SPRING & PIN                      | -            |  |
| PLATE,                                 | SATISFACTORY.   | SATISFACTORY.  | SATISFACTORY.  | SATISFACTORY.                            | SATISFACTORY.                            | SATISFACTORY.                            | SIDE         |  |
|  | CORROSION<br>EVIDENT  | CORROSION<br>EVIDENT   | CORROSION<br>EVIDENT   | CORROSION<br>EVIDENT                     | CORROSION<br>EVIDENT                     | CORROSION<br>EVIDENT                     | SPAN<br>SIDE |  |
| SLIDING<br>PLATE,<br>PINS &<br>BUSHES  | 1,2,3&4 WORN  | 1,2,3&4 WORN   | 1,2,3&4 WORN   | 1,2&3 WORN<br>No.4 O.K.                  | 1,2&3 WORN<br>No.4 O.K.                  | 1,2&3 WORN<br>No.4 O.K.                  |              |  |
| PLATE,<br>SPRINGS<br>&                 | EAST O.K.<br>WEST SPRING<br>CRACKED.<br>CORROSION<br>EVIDENT. | EAST O.K.<br>WEST SPRING<br>CRACKED.<br>CORROSION<br>EVIDENT.        | EAST O.K.<br>WEST SPRING HAS<br>PART MISSING.<br>CORROSION<br>EVIDENT. | BOTH SIDES O.K.<br>CORROSION<br>EVIDENT. | BOTH SIDES O.K.<br>CORROSION<br>EVIDENT. | BOTH SIDES O.K.<br>CORROSION<br>EVIDENT. |              |  |
|  |   |  |  |  |  |  |              |  |
|  | BOTH SIDES O.K.<br>CORROSION                                  | EAST O.K.<br>WEST SPRING HAS   | EAST O.K.<br>WEST SPRING HAS   | WEST O.K.<br>EAST SPRING                 | BOTH SPRINGS<br>CRACKED.                 | WEST O.K.<br>EAST SPRING                 |              |  |
|  | EVIDENT.  | PART MISSING.  | PART MISSING.  | CRACKED                                  | CORROSION                                | CRACKED.                                 | MAIN         |  |
| &<br>PINS.                             |   | CORROSION<br>EVIDENT.  | CORROSION<br>EVIDENT.  | CORROSION<br>EVIDENT.                    | EVIDENT.                                 | CORROSION<br>EVIDENT.                    | SPAN         |  |
| SLIDING<br>PLATE,<br>PINS &<br>BUSHES. | 5 to 8 O.K.<br>9 to14 WORN                                    | 4 and 5 O.K.<br>6,PIN FACE 40mm<br>IN FROM LUG FACE<br>7 to 14 WORN. | 5 to 7 O.K. 8 to 14<br>WORN.   | 5 to 8 O.K. 9 to 14<br>WORN.             | 5 to 8 O.K. 9 to 14<br>WORN.             | 5 to 8 O.K. 9 to 14<br>WORN.             | SIDE         |  |
|  | SPRING & PIN<br>SATISFACTORY.                                 | SPRING & PIN<br>SATISFACTORY.  | SPRING/PIN O.K.<br>CORROSION EVI,                                      | SPRING & PIN<br>SATISFACTORY.            | SPRING & PIN<br>SATISFACTORY.            | SPRING & PIN<br>SATISFACTORY.            | ]            |  |
|  | CORROSION   | CORROSION  | PLATED DROPPED   | CORROSION                                | CORROSION                                | CORROSION                                |              |  |

| & PIN                           | EVIDENT   | EVIDENT   | AT SLIDER 10/12mm<br>MISMATCH.                                | EVIDENT  | EVIDENT   | EVIDENT   |                      |  |  |  |
|---------------------------------|---|---|---|--|---|---|----------------------|--|--|--|
| LOCATION                        | ME1   | ME2   | ME3   | ME4  | ME5   | ME6   |                      |  |  |  |
|                                 | DE-MAG EXPANSION JOINT. MAIN TOWER : SOUTH WEST.      |   |   |  |   |   |                      |  |  |  |
| LOCATION                        |   | SW5   | SW4   | SW3  | SW2   | SW1   |                      |  |  |  |
| PLATE,                          | SPRING & PIN<br>SATISFACTORY.<br>CORROSION<br>EVIDENT | SPRING & PIN<br>SATISFACTORY.<br>CORROSION<br>EVIDENT             | SPRING & PIN<br>SATISFACTORY.<br>CORROSION<br>EVIDENT         | SPRING & PIN<br>SATISFACTORY.<br>CORROSION<br>EVIDENT        | SPRING & PIN<br>SATISFACTORY.<br>CORROSION<br>EVIDENT | SPRING & PIN<br>SATISFACTORY.<br>CORROSION<br>EVIDENT         | SIDE<br>SPAN<br>SIDE |  |  |  |
|                                 | 1 & 2 WORN<br>3 & 4 O.K.                              | 1 to 4 WORN.  | 1,2,&4 WORN.<br>3 О.К.  | 1 to 4 WORN.   | 1 to 4 WORN.  | 1 to 4 WORN.  |                      |  |  |  |
| PLATE,                          | BOTH SIDES O.K.<br>CORROSION<br>EVIDENT.              | BOTH SIDES O.K.<br>CORROSION<br>EVIDENT.<br>CORROSION<br>EVIDENT. | WEST O.K.<br>EAST SPRING<br>CRACKED.<br>CORROSION<br>EVIDENT. | WEST O.K.<br>EAST SPRING<br>CRACKED<br>CORROSION<br>EVIDENT. | BOTH SPRINGS<br>O.K.<br>CORROSION<br>EVIDENT.         | EAST O.K.<br>WEST SPRING<br>CRACKED.<br>CORROSION<br>EVIDENT. |                      |  |  |  |
|                                 |   |   |   |  |   |   |                      |  |  |  |
| PLATE,<br>SPRINGS<br>&<br>PINS. |   | EAST CRACKED.<br>WEST PART HAS<br>PART MISSING                    | BOTH SIDES<br>CRACKED.  | BOTH SIDES<br>CRACKED.                                       | BOTH SIDES O.K.                                       | BOTH SIDES<br>CRACKED.  | MAIN<br>SPAN         |  |  |  |
| PLATE,                          | 5 to 9 & 11 O.K.<br>10,12,13&14<br>WORN               | 5 to 8 O.K. 9 to 14<br>WORN                                       | 5,6&8 O.K. 7 & 9 to<br>14 WORN.                               | 5 to 7 O.K. 8 to 14<br>WORN.                                 | 5 to 8 O.K. 9 to 14<br>WORN.                          | 5 to 8 O.K. 9 to 14<br>WORN.                                  | SIDE                 |  |  |  |
| PLATE,                          | SPRING & PIN<br>LOOSE,NO<br>TENSION,                  | SPRING & PIN<br>SATISFACTORY.<br>CORROSION                        | SPRING & PIN<br>SATISFACTORY.<br>CORROSION                    | SPRING & PIN<br>SATISFACTORY.<br>CORROSION                   | SPRING & PIN<br>SATISFACTORY.<br>CORROSION            | SPRING & PIN<br>SATISFACTORY.<br>CORROSION                    |                      |  |  |  |

|   | CORROSION<br>EVIDENT.                     | EVIDENT                                   | EVIDENT                                   | EVIDENT  | EVIDENT                                   | EVIDENT   |                      |  |  |
|---|---|---|---|--|---|---|----------------------|--|--|
| LOCATION  |   | MW5                                       | ME4                                       | MW3  | MW2                                       | MW1   |                      |  |  |
| DE-MAG EXPANSION JOINT. MAIN TOWER :NORTH EAST. |   |   |   |  |   |   |                      |  |  |
| LOCATION<br>ROCKER<br>PLATE,<br>SPRING<br>& PIN | SE6<br>SPRING & PIN O.K.                  | SE5<br>SPRING & PIN O.K.                  | SE4<br>SPRING & PIN O.K.                  | SE3<br>SPRING & PIN O.K.                           | 10mm MISMATCH                             | SE1<br>SPRING & PIN O.K.<br>10mm MISMATCH<br>R/PLATE to S/PLATE | SIDE<br>SPAN<br>SIDE |  |  |
|   | 1,2&3 WORN.<br>4, O.K.                    | 1,2&4 WORN.<br>3, O.K.                    | 1,2&4 WORN.<br>3, O.K.                    | 1,2&4 WORN.<br>3, O.K.<br>(No.1 POSSIBLE<br>BREAK) | 1,2&4 WORN.<br>3, O.K.                    | 1,2,3&4 WORN.   |                      |  |  |
| TONGUE<br>PLATE,<br>SPRINGS<br>&<br>PINS.       | BOTH SIDES O.K.                           | BOTH SIDES HAVE<br>PART MISSING.          | EAST O.K.<br>WEST SPRING<br>CRACKED.      | BOTH SIDES O.K.                                    | BOTH SIDES O.K.                           | BOTH SIDES O.K.   |                      |  |  |
|   | REPLACED WITH<br>BOLTS AND NEW<br>SPRINGS          | REPLACED WITH<br>BOLTS AND NEW<br>SPRINGS | REPLACED WITH<br>BOLTS AND NEW<br>SPRINGS                       | MAIN<br>SPAN         |  |  |
| PLATE,<br>PINS &<br>BUSHES.                     | 5 to 10 O.K. 12 O.K.<br>11,13&14 WORN.    | 5 to 10 O.K. 12 O.K.<br>11,13&14 WORN.    | 5 to 8 O.K. 10 O.K.<br>9&11 to 14 WORN.   | 5,6&8 O.K.<br>7&9 to 14 WORN.                      | 9,11,13,14 WORN.                          | 5 to 8 O.K. 9 to 14<br>WORN.                                    | SIDE                 |  |  |
| ROCKER<br>PLATE.                                | SPRING & PIN O.K.                         | SPRING & PIN O.K.                         |   | SPRING & PIN O.K.<br>R/PLATE to S/PLATE<br>10mm    |   | SPRING & PIN O.K.   |                      |  |  |

|  |  |                             | MISMATCH.                                | MISMATCH.                      |                              |                              |                      |
|--|--|-----------------------------|--|--------------------------------|------------------------------|------------------------------|----------------------|
| LOCATION                                 | ME6                                    | ME5                         | ME4                                      | ME3                            | ME2                          | ME1                          | -                    |
|  | DE                                     | -MAG EXPAN                  | ISION JOINT.                             | MAIN TOWER                     | R :NORTH WE                  | ST.                          |                      |
| LOCATION                                 |  | SW2                         | SW3                                      | SW4                            | SW5                          | SW6                          |                      |
| ROCKER<br>PLATE,<br>SPRING<br>& PIN      | SPRING & PIN O.K.                      | SPRING & PIN O.K.           | SPRING & PIN O.K.                        | SPRING & PIN O.K.              | SPRING & PIN O.K.            | SPRING & PIN O.K.            | SIDE<br>SPAN<br>SIDE |
| SLIDING<br>PLATE,<br>PINS &<br>BUSHES    | 1 to 4 WORN.                           | 1 to 4 WORN.                | 1 to 4 WORN.<br>No.3 SHORT PIN<br>(25mm) | 1&3 O.K.<br>2&4 WORN.          | 1&2 WORN<br>3&4 O.K.         | 1&2 WORN<br>3&4 O.K.         |                      |
| PLATE,                                   | WEST O.K.<br>EAST HAS PART<br>MISSING. | WEST O.K.<br>EAST CRACKED.  | BOTH SIDES O.K.                          | BOTH E/W HAVE<br>PART MISSING. | BOTH SIDES O.K.              | BOTH SIDES<br>CRACKED.       |                      |
| TONGUE<br>PLATE,<br>SPRINGS<br>&<br>PINS | BOTH SIDES O.K.                        | BOTH SIDES O.K.             | BOTH SIDES O.K.                          | BOTH SIDES O.K.                | BOTH SIDES O.K.              | BOTH SIDES O.K.              | MAIN<br>SPAN         |
|  | 5 to 10 O.K.<br>11 to 14 WORN.         | 5 to 8 O.K. 9 to 14<br>WORN | 5 to 8 O.K. 9 to 14<br>WORN.             | 5 to 8 O.K. 9 to 14<br>WORN.   | 5 to 8 O.K. 9 to 14<br>WORN. | 5 to 8 O.K. 9 to 14<br>WORN. | SIDE                 |
| ROCKER<br>PLATE,<br>SPRING               | SPRING & PIN O.K.                      | SPRING & PIN O.K.           | SPRING & PIN O.K.                        | SPRING & PIN O.K.              | SPRING & PIN O.K.            | SPRING & PIN O.K.            |                      |

| & PIN    |     |     |     |     |     |     |  |
|----------|-----|-----|-----|-----|-----|-----|--|
| LOCATION | MW1 | MW2 | MW3 | MW4 | MW5 | MW6 |  |