

Work Description Handout  
According to D\_PE3 – Practical Exercise  
Electrical Testing of Compressors

| Electrical testing of compressors                                                                                                                                                                                                                                                                                                                                                                                |          |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|
| Subject                                                                                                                                                                                                                                                                                                                                                                                                          | Comments | Check |
| Obtain permit of work, execute risk assessment                                                                                                                                                                                                                                                                                                                                                                   |          |       |
| Undertake worksite preparation, tools, equipment and PPE check (having risk assessment in mind)                                                                                                                                                                                                                                                                                                                  |          |       |
| Safeguard the workshop area and inform involved parties                                                                                                                                                                                                                                                                                                                                                          |          |       |
| Use of electrical circuit drawing as provided by OEM indicating important requirements                                                                                                                                                                                                                                                                                                                           |          |       |
| Read and understand the insulation resistance tester user manual                                                                                                                                                                                                                                                                                                                                                 |          |       |
| Carry out inspection of circuit                                                                                                                                                                                                                                                                                                                                                                                  |          |       |
| Carry out the following tests and document the measured values and observations: <ol style="list-style-type: none"> <li>1. Continuity of earth conductors</li> <li>2. Continuity of live conductors (live and neutral)</li> <li>3. Polarity</li> <li>4. Short circuit check (ensure there is no contact between live and neutral)</li> <li>5. Insulation resistance</li> <li>6. Earth-Bond Resistance</li> </ol> |          |       |
| Cleaning, maintaining and preserving of tools, practical exercise and work-place                                                                                                                                                                                                                                                                                                                                 |          |       |
| Hand over the records to the trainer                                                                                                                                                                                                                                                                                                                                                                             |          |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                  |          |       |

Total time slot 70 minutes (1 hrs, 10 min)