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|------------------------|---|--|---|---|-----|--|--|-----|---|---|
| 1. Title | Handle leakage faults in boiler pressure parts | | | | | | | | | |
| 2. Code | EMPEOM410A | | | | | | | | | |
| 3. Range | Handle leakage faults in boiler pressure parts in general industrial plants, power plants or other places. | | | | | | | | | |
| 4. Level | 4 | | | | | | | | | |
| 5. Credits | 6 | | | | | | | | | |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Working principles of boiler pressure parts</td> <td style="vertical-align: top;">◆ Understand the causes, analysis and handling of boiler pressure parts leakage</td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Causes, analysis and handling of leakage faults in boiler pressure parts</td> <td style="vertical-align: top;"> ◆ Know the phenomenon, causes and handling of leaks of water-cooled wall, superheater, reheater and economizer tube ◆ Know the phenomenon, causes and handling of burst and leaks of water pipes ◆ Know the causes, analysis, judgement and handling of steam and water pipe water hammer ◆ Decide to shut down the boiler to handle the fault according to load requirements </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in handling leakage faults in boiler pressure parts</td> <td style="vertical-align: top;">◆ Follow the requirements of practical guidelines and manufacturer's manual instructions to eliminate leakage faults in boiler pressure parts</td> </tr> </table> | 6.1 | Working principles of boiler pressure parts | ◆ Understand the causes, analysis and handling of boiler pressure parts leakage | 6.2 | Causes, analysis and handling of leakage faults in boiler pressure parts | ◆ Know the phenomenon, causes and handling of leaks of water-cooled wall, superheater, reheater and economizer tube ◆ Know the phenomenon, causes and handling of burst and leaks of water pipes ◆ Know the causes, analysis, judgement and handling of steam and water pipe water hammer ◆ Decide to shut down the boiler to handle the fault according to load requirements | 6.3 | Professionalism in handling leakage faults in boiler pressure parts | ◆ Follow the requirements of practical guidelines and manufacturer's manual instructions to eliminate leakage faults in boiler pressure parts |
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| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to eliminate and analyze leakage faults in boiler pressure parts;</p> <p>(ii) Capable to compile reports on leakage faults in boiler pressure parts; and</p> <p>(iii) Capable to clearly report the operational status of boiler.</p> | | | | | | | | | |
| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of boiler, measuring instruments, pressure parts and fault elimination. | | | | | | | | | |