

1. Title	Normal running operations and adjustment of boiler											
2. Code	EMPEOM307A											
3. Range	Perform running operations and adjustment of boiler in general industrial plants, power plants or other places.											
4. Level	3											
5. Credits	3											
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;">Principles of normal running operations of boiler</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Understand the normal running of boiler</li> <li>◆ Understand methods and procedures of adjusting the boiler</li> <li>◆ Understand the importance of adjusting the boiler <ul style="list-style-type: none"> <li>• Ensure the safe operation of boiler</li> <li>• Ensure that the boiler is running economically</li> </ul> </li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures for normal running operations and adjustment of boiler</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Know the purpose of adjusting boiler parameters <ul style="list-style-type: none"> <li>• Ensure the quality of steam and keep the temperature and pressure normal</li> <li>• Ensure that the boiler water quality is in normal range</li> <li>• Maintain normal water level of steam drum</li> <li>• Eliminate various types of anomalies, obstacles and hidden accidents, ensuring normal operation of the unit</li> <li>• Keep the fuel burning economically, minimize various types of heat losses and enhance boiler efficiency</li> </ul> </li> <li>◆ Adjust important parameters of boiler according to different operation conditions, including: <ul style="list-style-type: none"> <li>• Load</li> <li>• Pressure</li> <li>• Fuel</li> <li>• Velocity</li> </ul> </li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in normal running operations and adjustment of boiler</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Follow manufacturer's operation instructions and procedures to perform the adjustment of boiler</li> <li>◆ The adjustment of the operation of boiler should be performed in compliance with the safety requirements of working guidelines and requirements of codes of practice</li> <li>◆ Immediately correct and remedy abnormal operating parameters</li> </ul> </td> </tr> </table>			6.1	Principles of normal running operations of boiler	<ul style="list-style-type: none"> <li>◆ Understand the normal running of boiler</li> <li>◆ Understand methods and procedures of adjusting the boiler</li> <li>◆ Understand the importance of adjusting the boiler <ul style="list-style-type: none"> <li>• Ensure the safe operation of boiler</li> <li>• Ensure that the boiler is running economically</li> </ul> </li> </ul>	6.2	Methods and procedures for normal running operations and adjustment of boiler	<ul style="list-style-type: none"> <li>◆ Know the purpose of adjusting boiler parameters <ul style="list-style-type: none"> <li>• Ensure the quality of steam and keep the temperature and pressure normal</li> <li>• Ensure that the boiler water quality is in normal range</li> <li>• Maintain normal water level of steam drum</li> <li>• Eliminate various types of anomalies, obstacles and hidden accidents, ensuring normal operation of the unit</li> <li>• Keep the fuel burning economically, minimize various types of heat losses and enhance boiler efficiency</li> </ul> </li> <li>◆ Adjust important parameters of boiler according to different operation conditions, including: <ul style="list-style-type: none"> <li>• Load</li> <li>• Pressure</li> <li>• Fuel</li> <li>• Velocity</li> </ul> </li> </ul>	6.3	Professionalism in normal running operations and adjustment of boiler	<ul style="list-style-type: none"> <li>◆ Follow manufacturer's operation instructions and procedures to perform the adjustment of boiler</li> <li>◆ The adjustment of the operation of boiler should be performed in compliance with the safety requirements of working guidelines and requirements of codes of practice</li> <li>◆ Immediately correct and remedy abnormal operating parameters</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to clearly explain the procedures for normal running operations and adjustment of boiler;</li> <li>(ii) Capable to clearly report the arrangement of scheduled repair of boiler;</li> <li>(iii) Capable to perform running operations and adjustment of boiler independently according to the adjustment procedures;</li> <li>(iv) Capable to compile simple report for The adjustment of the operation of boiler; and</li> <li>(v) Capable to report the operational status of the boiler.</li> </ul>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of boiler equipment.</p>