

1. Title	Repair electric hydraulic governors and eliminate failures									
2. Code	EMPERM404A									
3. Range	Repair electric hydraulic governors and eliminate failures of general industrial plants, power plants or other places.									
4. Level	4									
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;">Common failures of electric hydraulic governors</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Be familiar with the common failures of electric hydraulic governors ◆ Master the causes and symptoms of the common failures of general speed control system <ul style="list-style-type: none"> • Jam, swinging, misoperation, etc. • Regulative oil pressure decreasing </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Analyze the failures of electric hydraulic governors</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow the operation and repair manual to conduct failure analysis independently for the electric hydraulic governor ◆ Master failure analysis for general governors <ul style="list-style-type: none"> • Jam, swinging, misoperation, etc. • Regulative oil pressure decreasing </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in repairing electric hydraulic governors</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Be familiar with the methods of eliminating failures of electric hydraulic governors, including failures related to the following operational methods: <ul style="list-style-type: none"> • Valve-couple • Solenoid ◆ Perform scheduled and fault repair for electric hydraulic governors ◆ Follow the operation and repair manual to perform fault repair independently for electric hydraulic governors </td> </tr> </table>	6.1	Common failures of electric hydraulic governors	<ul style="list-style-type: none"> ◆ Be familiar with the common failures of electric hydraulic governors ◆ Master the causes and symptoms of the common failures of general speed control system <ul style="list-style-type: none"> • Jam, swinging, misoperation, etc. • Regulative oil pressure decreasing 	6.2	Analyze the failures of electric hydraulic governors	<ul style="list-style-type: none"> ◆ Follow the operation and repair manual to conduct failure analysis independently for the electric hydraulic governor ◆ Master failure analysis for general governors <ul style="list-style-type: none"> • Jam, swinging, misoperation, etc. • Regulative oil pressure decreasing 	6.3	Professionalism in repairing electric hydraulic governors	<ul style="list-style-type: none"> ◆ Be familiar with the methods of eliminating failures of electric hydraulic governors, including failures related to the following operational methods: <ul style="list-style-type: none"> • Valve-couple • Solenoid ◆ Perform scheduled and fault repair for electric hydraulic governors ◆ Follow the operation and repair manual to perform fault repair independently for electric hydraulic governors
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to conduct scheduled and fault repair for the electric hydraulic governor;</p> <p>(ii) Capable to conduct failure analysis according to the performance of the governor; and</p> <p>(iii) Capable to compile failure analysis and repair report for the electric hydraulic governor.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of the structure and working principles of basic governor.									