

1. Title	Startup and shutdown preparations for fuel oil or light oil system	
2. Code	EMPEOM317A	
3. Range	Perform startup and shutdown preparations for fuel oil or light oil system in general industrial plants, power plants or other places.	
4. Level	3	
5. Credits	6	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Operating principle of fuel oil or light oil system</p> <ul style="list-style-type: none"> ◆ Understand the functions and operating principle of devices for different fuel oil or light oil systems such as <ul style="list-style-type: none"> • Heavy oil system • Light oil system ◆ Understand procedures preparing for the startup and shutdown of fuel oil or light oil system ◆ Understand the importance of implementing procedures preparing for the startup and shutdown of fuel oil or light oil system <p>6.2 Procedures preparing for the startup and shutdown of fuel oil or light oil system</p> <ul style="list-style-type: none"> ◆ Use appropriate testing instruments to perform surveying tasks on various types of fuel oil or light oil system before implementing startup and shutdown of system such as <ul style="list-style-type: none"> • Checking oil pump condition • Checking trace heating system (exclusively for heavy oil) condition • Checking oil amount in the waste oil tank • Checking the temperature and pressure of filter inlet and outlet • Checking filter motor condition • Checking standby oil pump condition • Checking various valve positions • Checking oil leaks • Checking if the fire system operation is normal ◆ Inspect various types of fuel oil or light oil system before implementing startup and shutdown of system according to operation procedure ◆ Judge whether various types of fuel oil or light oil systems are suitable for startup or shutdown ◆ Compile reports on startup and shutdown preparations for various types of fuel oil or light oil systems 	

	<p>6.3 Professionalism in startup and shutdown preparations for fuel oil or light oil system</p> <ul style="list-style-type: none"> ◆ Follow manufacturer’s instructions and procedures of operation to perform startup and shutdown preparations for fuel oil or light oil system ◆ Perform startup and shutdown preparations for fuel oil or light oil system in compliance with the code of safety and codes of practice
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to clearly explain the procedures preparing for the startup and shutdown of fuel oil or light oil system; (ii) Capable to perform startup and shutdown preparations independently for fuel oil or light oil system according to procedures; (iii) Capable to complete simple reports on fuel oil or light oil system startup and shutdown; and (iv) Capable to clearly report the status of preparation for fuel oil or light oil system.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of fuel oil or light oil system.</p>