

1. Title	Overhaul hydraulic lift jacks
2. Code	EMLEOR322A
3. Range	Arrange and implement overhauls of hydraulic lift jacks at field locations.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and working principles of hydraulic lift jacks</p> <ul style="list-style-type: none"> ◆ Understand the structure and working principles of different hydraulic jacks including: <ul style="list-style-type: none"> • single-plunger hydraulic jack • telescope-plunger hydraulic jack <p>6.2 Overhaul methods and procedures for hydraulic jacks</p> <ul style="list-style-type: none"> ◆ Formulate overhaul procedure lists for different hydraulic jacks including: <ul style="list-style-type: none"> • single-plunger with direct plunge • single-plunger with indirect plunge • telescope-plunger with direct plunge • telescope-plunger with indirect plunge ◆ Implement and assign completed shutdown and restart work for different well equipment including: <ul style="list-style-type: none"> • safety preparation works for shutdown • safety lifting works of lift car for direct plunge • safety lifting works of lift car for indirect plunge • safety works for resumption operation • Effectively use different lifting gears to implement and assign completed lifting work for all kinds of hydraulic jacks ◆ Effectively use different tools to implement and assign completed disassembly, rust removal and prevention and assembly work for hydraulic jacks including: <ul style="list-style-type: none"> • single-plunger hydraulic jack piston • single-plunger hydraulic jack piston oil seal and packing seal • telescope-plunger hydraulic jack piston • telescope-plunger hydraulic jack piston oil seal and packing seal • different hydraulic jacks piston guiding devices • different hydraulic jacks construction remedies

	<p>6.3 Professionalism in completed disassembly and assembly of different hydraulic jacks</p> <ul style="list-style-type: none"> ◆ Apply manufacturer's repair instructions and the code of practice for lift work safety to implement and assign completed disassembly and assembly work for different hydraulic jacks ◆ Apply manufacturer's repair instructions and the code of practice for lift design and construction to implement and assign completed adjustment and testing work for different hydraulic jacks including: <ul style="list-style-type: none"> • hydraulic jack flow controller • hydraulic jack exhaust device • hydraulic jack speed control shut off valve • hydraulic jack oil leak collection device • full load pressure detector for telescope-plunger hydraulic jack synchronized telescopic device
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to arrange and assign completed disassembly, rust removal and prevention, assembly and testing procedures for different hydraulic jacks of hydraulic lifts systematically and through effective communication; and (ii) Capable to implement completed disassembly, rust removal and prevention, assembly and testing for different hydraulic jacks of hydraulic lifts under general or complicated situations in compliance with the prescribed standards of repair.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skills in maintaining hydraulic lift jacks.</p>