

1. Title	Overhaul braking system of general lift
2. Code	EMLEOR215A
3. Range	Overhaul lift braking system at the traction machine of worm reduction gear under general situations at field locations.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and working principles of lift braking system</p> <ul style="list-style-type: none"> ◆ Understand the structure and working principles of general electro-mechanical brakes including: <ul style="list-style-type: none"> • Brake drum type (worm reduction gear traction machine of worm shaft upper type) • Brake drum type (worm reduction gear traction machine of worm shaft lower type) <p>6.2 Methods and procedures of overhaul lift braking system</p> <ul style="list-style-type: none"> ◆ Enable to correctly carry out the preparation and resumption works for brakes at the worm reduction gear traction machine including: <ul style="list-style-type: none"> • the work of shutdown procedures • the work of manual creeping upward • the work of resumption operation ◆ Use general tools effectively to disassemble and assemble brakes at the traction machine of worm reduction gear including: <ul style="list-style-type: none"> • brake drum type (worm reduction gear traction machine of worm shaft upper type) • brake drum type (worm reduction gear traction machine of worm shaft lower type) <p>6.3 Professionalism in disassembling and assembling brakes (worm screw traction machines)</p> <ul style="list-style-type: none"> ◆ Follow manufacturer's repair instructions to disassemble, assemble and adjust brakes (electromechanical type) ◆ Understand manufacturer's repair instructions and the code of practice for lift design and construction to test brakes (electromechanical) including: <ul style="list-style-type: none"> • brake drum type (worm reduction gear traction machine of worm shaft upper type) • brake drum type (worm reduction gear traction machine of worm shaft lower type)
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to systematically and efficiently disassemble, assemble, adjust and test lift braking system at the traction machine of worm reduction gear in compliance with the prescribed standards of repair.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skills in maintaining general lift brakes.