

Mobile Crane Operator & Tower Crane Operator Harmonized Level 1

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Mobile Crane Operator & Tower Crane Operator Harmonized Level 1 SLE*.

Number of questions on each exam: 60

Level 1 GAC/Competency	#
A. SAFETY	8
A1. Comply with regulations, policies, and manufacturers' manuals	1
A2. Maintain a safe working environment	1
A3. Follow emergency procedures	1
A4. Be aware of power line hazards	2
A5. Practice effective worksite communications	3
B. TYPES AND TERMINOLOGY	3
B1. Define types of cranes	2
B2. Define crane classifications	1
B3. Use crane terminology	0
C. SYSTEMS AND COMPONENTS	6
C1. Describe the components and functions of carrier systems, outrigger systems, and turntable assemblies	1
C2. Describe the components and functions of power plants and drive systems	1
C3. Describe the components and functions pneumatic systems, hydraulic systems, and electrical systems	1
C4. Describe the components and functions of steering systems and braking systems	1
C5. Describe the components and functions of hoisting systems and attachments	1
C6. Describe the functions of safety components, devices, and aids	1
D. WIRE ROPE AND RIGGING	13
D1. Specify types of wire rope and their uses	1
D2. Follow wire rope installation procedures	1
D3. Inspect wire rope, slings, and rigging hardware	2
D4. Specify types of slings, rigging hardware, and their uses	4
D5. Use rigging techniques	4
D6. Maintain and store wire rope, slings, and rigging hardware	1

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January 1, 2023

Level 1 GAC/Competency	#
E. LIFT PLANNING	17
E1. Follow site assessment procedures	1
E2. Determine load weights	4
E3. Determine crane lifting capacity	8
E4. Determine rigging requirements	4
F. CRANE APPLICATIONS	7
F1. Interpret operator manuals	1
F2. Perform a pre-operational inspection	1
F3. Perform a pre-operational setup	1
F4. Demonstrate hoisting techniques	1
F5. Operate a 20-80 tonne telescoping boom crane	1
F6. Operate a tower crane	1
F7. Leave a crane unattended	1
G. TRANSPORTING A CRANE	4
G1. Define commercial transport regulations	1
G2. Prepare a crane for travel	1
G3. Prepare a crane for transport	1
G4. Assemble and disassemble a crane	1
H. CRANE MAINTENANCE	2
H1. Use tools for basic crane maintenance	1
H2. Perform basic crane maintenance	1
Total:	60