

Mobile Crane Operator (2024) 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 (2024) Level 1 SLE*.

Number of questions on each exam: 70

Level 1 GAC/Competency	#
A. USE COMMON OCCUPATIONAL SKILLS	4
A1. Comply with regulations, policies, and manufacturer's manuals	1
A2. Maintain a safe work environment	1
A3. Awareness of energized systems	1
A4. Practice effective worksite communications	1
B. DEFINE CRANE TYPES AND COMPONENT TERMINOLOGY	4
B1. Define crane types and classifications	1
B2. Use crane terminology	1
B3. Describe hydraulic crane systems	1
B4. Describe friction crane systems	1
C. USE RIGGING	15
C1. Identify types of slings and rigging hardware	3
C2. Inspect slings and rigging hardware	3
C3. Maintain and store slings and rigging hardware	1
C4. Perform rigging	8
D. PERFORM HOISTING CALCULATIONS	21
D1. Determine load weights	5
D2. Use a crane capacity chart for a telescoping boom crane	12
D3. Use a crane capacity chart for a lattice boom crane	4
E. PERFORM CRANE INSPECTION AND MAINTENANCE	6
E1. Use tools for basic crane maintenance	0
E2. Perform basic crane maintenance	1
E3. Identify pre-operational inspection components	2

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September 1, 2024

Level 1 GAC/Competency	#
E4. Perform a pre-operational inspection for a lattice boom crane	1
E5. Perform a pre-operational inspection for a telescoping boom crane	1
E6. Inspect, maintain, and use crane wire rope	1
F. PLAN A LIFT	7
F1. Perform ordinary lift planning	5
F2. Perform engineered and critical lift plan	2
G. PERFORM COMMON CRANE OPERATIONS	9
G1. Interpret operator manuals	1
G2. Perform a pre-operative set-up for a telescoping boom crane	1
G3. Perform a lattice boom crane set-up	1
G4. Perform telescoping boom crane operations and hoisting techniques	1
G5. Perform lattice boom crane operations and hoisting techniques	2
G6. Secure crane	3
H. ASSEMBLE, DISASSEMBLE, AND TRANSPORT A CRANE	3
H1. Perform crane transportation	1
H2. Assemble and disassemble a crane	1
H3. Assemble and disassemble specialty equipment and attachments	1
I. USE SPECIALIZED OPERATIONS	1
I1. Operate with a suspended work platform	1
Total:	70