

Mobile Crane Operator – Hydraulic 80 Tonnes and Under

CERTIFICATE OF QUALIFICATION EXAM BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Mobile Crane Operator - Hydraulic 80 Tonnes and Under Certificate of Qualification Exam*.

Number of questions on each exam: 52

Certificate of Qualification GAC/Competency	#
C. CRANES	8
C5. Demonstrate knowledge of crane components and attachments for boom trucks	2
C6. Demonstrate knowledge of engines and ancillary systems	2
C7. Demonstrate knowledge of power transfer for boom trucks	2
C8. Demonstrate knowledge of crane components and attachments for mobile cranes	1
C9. Demonstrate knowledge of power transfer for mobile cranes	1
F. TRANSPORTATION AND DELIVERY	5
F1. Demonstrate knowledge of BC Ministry of Transportation - Commercial Transport rules and regulations	1
F2. Demonstrate knowledge to prepare a boom truck and associated loads for highway/road travel	1
F3. Demonstrate knowledge to assemble, set up to operate and disassemble a mobile crane at a worksite	2
F9. Demonstrate knowledge to prepare a mobile crane for transport and/or travel	1
G. SITE PLANNING AND CRANE POSITIONING	6
G1. Demonstrate knowledge of accurate site assessment tools	2
G2. Demonstrate knowledge to locate and safely position a crane	4
H. CRANE OPERATIONS	28
H2. Demonstrate knowledge of crane operations	4
H3. Demonstrate knowledge of lifting plans and rigging for cranes	10
H4. Demonstrate knowledge of folding boom (unlimited tonnage) load charts and load calculations	3

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H5.	Demonstrate knowledge of stiff boom (unlimited tonnage) load charts and load calculations	3
H6.	Demonstrate knowledge to leave a mobile crane unattended	1
H7.	Demonstrate knowledge of mobile hydraulic crane 80 tonnes and under load charts and load calculations	7
I. MAINTENANCE AND SERVICE		5
I2.	Demonstrate knowledge of inspecting engines, monitoring devices and hydraulic systems	3
I3.	Demonstrate knowledge of servicing and maintenance procedures	2
Total:		52