

Crane Types

IMPORTANT: This Level D application is for **Mobile Hydraulic Crane – Unlimited Tonnage**. Upon successful completion of all the tasks outlined on pages 3 and 4, the employer will receive, on behalf of the operator, a Level D Certificate – Mobile Hydraulic Crane (Unlimited Tonnage). The following list outlines all ten crane types. All weights metric.

Mobile Crane	Boom Truck	Tower Crane
Friction Lattice Boom	Stiff Boom - Unlimited Tonnage	Tower Crane
Hydraulic Lattice Boom	Stiff Boom - 40 Tonnes & Under	Self Erect Tower Crane
Hydraulic - Unlimited Tonnage	Folding Boom - Unlimited Tonnage	
Hydraulic - 80 Tonnes & Under	Folding Boom - 22 Tonnes & Under	

PAYMENT INFORMATION

Assessment Fee

\$125 plus \$6.25 GST per operator. **Total Payment: \$131.25**

Type of Payment (check one) Cheque Credit Card

Cheques

- Personal and business cheques are accepted.
- Make cheques payable to **Fulford Harbour Group**
- For all cheques that are not honoured there is a service fee of \$50.

Credit Card Information

Type (check one) Visa MasterCard American Express

Card Number --- Expiry Date /
mm yy

CVV#

Security Number
 Visa & MC: 3 digit number on back of card
 Amex: 4 digit number on front of card

Name on Card

Signature _____

Billing Address Same as Employer Information **YES** **NO** (if NO please fill out below)

Name Phone:

Address Apt/Suite

City Province Postal Code

INDIVIDUAL AGREEMENT

Crane Operator: Please sign here to consent to have the information in this application shared with WorkSafeBC and its designates.

Signature _____

Date _____

EMPLOYER DECLARATION

By initialing each competency, the employer is attesting that they have direct evidence that the applicant fulfills each competency. Each competency must be initialled for the applicant to receive the Level D Certificate – Mobile Hydraulic Crane (Unlimited Tonnage).

K: Indicates that it is a theory competency (knowledge of the crane operator)
 W: Indicates that is is a workplace competency (an activity an operator performs)

**Employer
Initials**

1. Safety (CS)

- 1.1 Demonstrate knowledge of safe working practices for crane operators (K)
- 1.2 Demonstrate knowledge of Workplace Hazardous Materials Information System (WHMIS) (K)
- 1.3 Manage first aid in emergency situations (K)
- 1.4 Demonstrate knowledge of power line hazards and high voltage equipment (K)
- 1.5 Comply with WorkSafe BC and OH&S regulations (W)
- 1.6 Respond to fire emergencies (W)

2. Communications (CCOM)

- 2.1 Demonstrate knowledge of personnel involved in crane operations (K)
- 2.2 Demonstrate knowledge of hand signals (K)
- 2.3 Demonstrate knowledge of radio communications (K)
- 2.4 Demonstrate knowledge of workplace communications (K)
- 2.5 Use hand signals in the workplace (W)
- 2.6 Use radio communications in the workplace (W)
- 2.7 Communicate information clearly and check for understanding in the workplace (W)

3. Cranes (CC)

- 3.1 Demonstrate knowledge of types of cranes and classifications (K)
- 3.2 Demonstrate knowledge of crane components and attachments (K)
- 3.3 Demonstrate knowledge of terminology related to craning and craning concepts (K)
- 3.4 Demonstrate knowledge of engines and ancillary systems (K)
- 3.5 Demonstrate knowledge of power transfer for cranes (K)
- 3.6 Demonstrate knowledge of hoisting terminology, functions and systems (K)
- 3.7 Demonstrate knowledge of regulatory requirements pertaining to cranes (K)

		Employer Initials
4.	Rigging (CR)	
4.1	Demonstrate knowledge of lifting theory and forces (K)	<input type="checkbox"/>
4.2	Demonstrate knowledge of rigging hardware, materials, tools and manuals (K)	<input type="checkbox"/>
4.3	Demonstrate knowledge of types and function of wire rope and chains (K)	<input type="checkbox"/>
4.4	Demonstrate knowledge of installation, inspection and storage of wire rope (K)	<input type="checkbox"/>
4.5	Demonstrate knowledge of rigging techniques (K)	<input type="checkbox"/>
4.6	Use rigging hardware and tools in the workplace (W)	<input type="checkbox"/>
5.	Load Charts (CLC)	
5.1	Demonstrate knowledge of determining weight loads using fundamental math functions and calculations (K)	<input type="checkbox"/>
5.2	Demonstrate knowledge of loading and lifting (K)	<input type="checkbox"/>
5.3	Interpret load charts and load study drawings to configure crane for workplace operation (W)	<input type="checkbox"/>
6.	Transportation & Delivery (ATD)	
6.1	Demonstrate knowledge of BC Ministry of Transportation - Commercial Transport rules and regulations as they pertain to transportation of cranes (K)	<input type="checkbox"/>
6.2	Demonstrate knowledge to prepare and to transport a mobile crane (K)	<input type="checkbox"/>
6.3	Demonstrate knowledge of to assemble and disassemble a crane at a worksite (K)	<input type="checkbox"/>
6.4	Prepare and transport a mobile crane to a worksite following all highway and traffic rules and regulations (W)	<input type="checkbox"/>
6.5	Assemble and disassemble a crane at a worksite (W)	<input type="checkbox"/>
7.	Site Planning & Crane Positioning (ASPCP)	
7.1	Demonstrate knowledge of accurate site assessment tools (K)	<input type="checkbox"/>
7.2	Demonstrate knowledge to locate and safely position crane (K)	<input type="checkbox"/>
7.3	Conduct an accurate site assessment and safely position a crane in the workplace (W)	<input type="checkbox"/>

		Employer Initials
8.	Crane Operations (CO)	
8.1	Demonstrate knowledge of pre-operational requirements in crane operations (K)	<input type="checkbox"/>
8.2	Demonstrate knowledge of crane operations (K)	<input type="checkbox"/>
8.3	Demonstrate knowledge to leave a crane unattended (K)	<input type="checkbox"/>
8.4	Demonstrate crane set-up per manufacturer’s instructions (including Task 4) (W)	<input type="checkbox"/>
8.5	Use a mobile crane to safely pick and carry loads in a workplace (W)	<input type="checkbox"/>
8.6	Leave a crane unattended (W)	<input type="checkbox"/>
9.	Maintenance & Service (CMS)	
9.1	Demonstrate knowledge of inspecting engines, monitoring devices and hydraulic systems (K)	<input type="checkbox"/>
9.2	Demonstrate knowledge of servicing and maintenance procedures on mobile cranes (K)	<input type="checkbox"/>
9.3	Complete maintenance checklists (engine on / engine off) and maintain engines to manufacturer’s specifications (W)	<input type="checkbox"/>
9.4	Perform routine inspections and maintenance of hydraulic systems (W)	<input type="checkbox"/>
9.5	Inspect monitoring devices and control mechanisms (W)	<input type="checkbox"/>
9.6	Perform service on engine cooling systems on mobile cranes (W)	<input type="checkbox"/>
9.7	Maintain an equipment logbook to retain a permanent written record of maintenance and repairs (W)	<input type="checkbox"/>
10.	Hydraulic Boom Crane (no tonnage restriction)	
10.1	Demonstrate knowledge of hydraulic boom crane structure and assembly (K)	<input type="checkbox"/>
10.2	Demonstrate knowledge of hydraulic boom crane load charts and load calculations (K)	<input type="checkbox"/>
10.3	Demonstrate knowledge of lift plans and rigging for hydraulic boom cranes (K)	<input type="checkbox"/>
10.4	Operate a hydraulic boom crane safely according to manufacturer’s specifications and regulations (W)	<input type="checkbox"/>

Employer Certification

I certify that the information I (as employer) have provided is accurate.

Operator Name: _____

Employer Name: _____

Employer Signature _____ Date _____

Please mail this form (and cheque if paying by cheque) to Fulford Harbour Group, Suite 202 – 7950 Huston Road, Delta, BC, V4G 1C2.
For payment by credit card, applications can be faxed to 1.866.791.7083 or emailed to info@fulford.ca.
For all queries, please contact our main office toll free at 1.888.952.6033 or in the Lower Mainland at 604.952.6033.