

OCCUPATIONAL
TOOLS AND EQUIPMENT LIST

Tower Crane Operator



Government of Newfoundland Labrador
Department of Advanced Education and Skills
Apprenticeship and Trades Certification Division

Preface

This document is intended as a companion to the September, 2012 Plan of Training for the Tower Crane Operator Occupation. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeships.

Acknowledgements

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We offer you a sincere thank you.

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Note:

The numbers suggested in the following Tools and Equipment List represent the required minimum. Please verify this list with your selected training institution.

Tools and Equipment List Tower Crane Operator

SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT		
Item	Units for Individual Students	Comments
Calculator	1	
CSA Approved Safety Glasses (clear and dark)	1	
CSA Approved Hard Hat	1	
CSA Approved Safety Boots	1	
Coveralls		
Flashlight	1	
Gloves	1 pair	
Safety Vest	1	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 Students	Maximum Students per Unit	Comments
Personal Protective Equipment and Safety equipment			
Ear Plugs	15	1	
Eye Wash Station	As required by the provincial regulations		
Face Shield	1	15	
Fall arrest equipment	As required by the provincial regulations		
Fire Blanket	1		
Fire Extinguishers (ABCD)	As required by the provincial regulations		
First Aid Station	As required by the provincial regulations		
Shop Tools and Equipment			
Adjustable Wrenches (various sizes)	2 sets	8	
Air compressor	1	15	
Angle Indicator	1	15	
Brushes (various)	1 set	15	
Cable Cutter	1	15	
Caliper	1	15	
Chain	1	15	
Chain sling	1	15	
Circular saw	1	15	
Cold Chisels (various sizes)	1 set	15	
Come-alongs	4	4	
Cross cut saws	2	8	
Electric drills	2	8	
Eye bolts	2	8	
Feeler gauge	1	15	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 Students	Maximum Students per Unit	Comments
Grease Guns	4	4	
Grinder	1	15	
Hammers (ball peen, claw, sledge-various sizes)	1 of each	15	
Hack saws	2	8	
Hydraulic jack (20 ton)	1	15	
Impact wrenches (electric and pneumatic)	1 of each	15	
Levels	4	4	
Line-up bar	1	15	
Load Movement Indicator LMI (portable or stationary)	1	15	
Load binder	1	15	
Measuring Tapes (25 ft, 100 ft and 200 ft-imperial and metric)	1 of each	15	
Oil cans	2	8	
Pads	1 package	15	
Pliers (needle nose and slip joint)	1 of each	15	
Pressure washer	1	15	
Pry bar	1	15	
Punches (knock-out) various sizes	1 set	15	
Scrapers	1 set	15	
Screwdrivers – (Philips, Robertson, Slotted)	1 set of each	15	
Shackles (assorted)	8	2	
Sheave gauge	1	15	
Shovels (round and flat)	2 of each	8	
Slings (synthetic and polyester)	8 of each	2	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 Students	Maximum Students per Unit	Comments
Snatch block	1	15	
Squeegee	1	15	
Step ladder (8 ft)	1	15	
Tag lines	5	3	
Tire pressure gauge	1	15	
Tool box	1	15	
Turn buckles (assorted)	2	8	
Two-way radios	1 set	15	
Vernier	1	15	
Water hose (100 ft)	1	15	
Wire cable clips	8	2	
Wire rope gauge	1	15	
Wire slings	15 assorted	1	
Wood blocking for crane assembly and disassembly	1 set	15	
Major Equipment			
Tower crane	1	15	
Hydraulic multiplier	1	15	rent or own
Assist crane	1	15	rent or own