

OCCUPATIONAL TOOLS AND EQUIPMENT LIST

Heavy Equipment Operator



Government of Newfoundland and Labrador
Department of Education and Early Childhood Development
Apprenticeship and Trades Certification Division

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Preface

This document is intended as a companion to the June 2025 Plan of Training for the **Heavy Equipment Operator** trade. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeship.

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
Heavy Equipment Operator

SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT		
Item	Units for Individual Students	Comments
SAFETY EQUIPMENT		
Coveralls	1	Full body
Gloves	1 leather palm 1 disposable	
Hard Hat	1	CSA approved
Safety Boots	1	CSA approved – 8 in.
Safety Glasses	1	CSA approved
Safety Vest	1	Class 2, Hi-visibility
SUPPLIES		
Calculator	1	

Note: If identifying sets, please include specific information.

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 students	Maximum Students per Unit	Comments
SAFETY EQUIPMENT			
Ear Plugs	100	1	
Eye Wash Station	--	--	As required by OHS regulations
Face Shield	3	5	
First Aid Station (including a First Aid Kit)	--	--	As required by OHS regulations
Fire Blanket	--	--	As required by OHS regulations
Fire Extinguisher	--	--	As required by OHS regulations
Flashlight	15	1	
Gloves	3	5	disposable
Hard Hat	3	5	with disposable liner
Safety Glasses	3	5	
Safety Vest	3	5	
HAND TOOLS			
Bull Pin	1	15	
Cold Chisel	1 set	15	
Hack Saw	2	8	
Hack Saw Replacement Blades	6	3	
Hammers:	1 of each	15	
• Ball Peen			
• Sledge			
Line-up Bar	2	8	
Measuring Tape	2	8	
• 25 ft.			
• 100 ft.	1	15	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 students	Maximum Students per Unit	Comments
Pliers: <ul style="list-style-type: none"> • Channel Lock • Needle Nose • Side Cutters • Combination 	2 of each	8	
Pry Bar: <ul style="list-style-type: none"> • Small – 12 in. • Medium – 18 in. • Large – 24 in. • Heel 	1 of each	15 per each	
Punch set	1	15	
Scrapers: <ul style="list-style-type: none"> • 1 in. • 2 in. 	2 of each	8 per each	
Screwdrivers: <ul style="list-style-type: none"> • Slotted • Philips • Torx • Robertson – #1, 2, 3 	1 set of each	15 per set	
Socket Sets: <ul style="list-style-type: none"> • 3/8 in. • 1/2 in. • 3/4 in. 	1 of each	8 per each	
Wrenches <ul style="list-style-type: none"> • Adjustable • Combination • Oil-filter • Torque – 1/2 in. • Torque – 3/4 in. 	2 sets 1 set 2 1 1	8 per set 15 per set 8 8 8	
POWER TOOLS			
Angle Grinder – 5 in.	2	8	
Drill: <ul style="list-style-type: none"> • 3/8 in. • 1/2 in. 	2 2	8 8	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 students	Maximum Students per Unit	Comments
Grinding Discs	15	1	
Pneumatic Impact Wrench <ul style="list-style-type: none"> • 1/2 in. • 3/4 in. 	1 of each	15 per each	
SHOP EQUIPMENT			
Air Compressor	1	15	
Anti-Freeze Tester	1	15	
Battery Charger	1	15	
Battery Load Tester	1	15	
Booster pack	1	15	Booster Cables may be substituted
Broom	1	15	
Come-along	1	15	
Creeper	2	8	
Extension Cords - 50 ft.	2	8	
Floor Squeegee	1	15	
Grease Gun	4	4	
Hand Cleaner	1 Gal. bottle	15	
Hydraulic Jack	1	15	
Jack Stand – 10 ton	4	4	
Lock-out / Tag-out label	15	1	
Oil Transfer Can	2	8	
Pressure Washer	1	15	
Rags – 25 lb. bag	1	15	
Rope – 3/8 in.	100 ft.	6-8 ft. length per student	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 students	Maximum Students per Unit	Comments
Shackles: <ul style="list-style-type: none"> • 1/2 in. • 5/8 in. 	3 of each	3 per each	
Sling: <ul style="list-style-type: none"> • Synthetic - 2 1/2 in. x 8 ft. • Wire 	2 of each	8 per each	
Spill Kit: <ul style="list-style-type: none"> • Absorbent Pads • Speed Dry Compound 	2 bags of 100	8	
Step Ladder – 8 ft.	1	15	
Tag Lines	2	8	
Test Light	1	15	
Tire Inflation Tool	1	15	
Tire Pressure Gauge	2	8	
Toolbox	1	15	
Trouble Light	2	8	
Waste Oil Storage Tank	1	15	
Water Hose	1	15	
Wheel Chock	2 sets	8 per set	
Wire Brushes	2	8	
ELECTRONIC EQUIPMENT			
Calculator	3	5	
Computer System	15	1	
Media Equipment: <ul style="list-style-type: none"> • TV / Monitor • Projector 	1 of each	15 per each	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 students	Maximum Students per Unit	Comments
FIELD MATERIALS			
Filter Fabric	200 sq. ft.	15	
Grade Stakes	200	15	
Hold Down Chain	6	3	
Laser Level, Tripod and Rod	1	15	
Load Binders	6	3	
Transit Level and Rod	1	15	
EQUIPMENT MATERIALS			
Fire Extinguisher	1 per each piece of equipment	15	
Round Nose Shovel	4	4	
Snow / Ice Brush-Scraper with Extendable-Handle	2 per each piece of equipment	8 per each	
Track Shovel	6	3	
Wisk Broom	1 per each piece of equipment	15	
HEAVY EQUIPMENT (IF OFFERED)			
Dozer	See NOTE	1	NOTE Each student MUST be supplied with a piece of equipment for a minimum 60-hour duration to meet the requirements of the Plan of Training.
Excavator	See NOTE	1	
Front End Loader	See NOTE	1	
Grader	See NOTE	1	
Off-Highway Dump Truck	See NOTE	1	

SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION			
Item	Units per 15 students	Maximum Students per Unit	Comments
Tandem Dump Truck <ul style="list-style-type: none"> • Manual Shift Transmission • Automatic Transmission 	See NOTE	1	Each student will select 3 pieces of equipment for their Heavy Equipment Operator program.
Tractor / Loader / Backhoe (TLB)	See NOTE	1	

Note: If identifying sets, please include specific information.