

Work Experience Form - Trades Qualification **Heavy Duty Equipment Technician**

*This completed Work Experience Form, Employer letter(s), Statutory Declaration, where applicable and appropriate fee must accompany a **Trades Qualification With Examination** application.*

A statement of work experience is a letter on company letterhead from your employer(s) covering your work experience during the last ten years and must include:

- *exact dates of employment and total hours worked;*
- *a description of all tasks completed with approximate percentage of time spent in each task area.*

Where it is not possible to obtain employer letters due to:

- *self employment,*
- *employer address is unknown, or*
- *cessation of employer's business*

Complete this Work Experience Form and A Statutory Declaration signed by a Notary Public. If you are self-employed, include your full company name, location and registration number.

- *All documents must be submitted in one of the two official languages.*

Fee Schedule

- *To apply for an Interprovincial Certificate of Qualification "With Examination".....**\$250.00***

*Non-refundable fees are payable as a cheque or money order to the **Minister of Finance**. A \$20.00 service fee will be applied to all NSF cheques. You can also pay by credit card or in person by debit card.*

The following information is required in order to qualify for an Interprovincial Certificate of Qualification as a Heavy Duty Equipment Technician through the process of **Trades Qualification With Examination**, and/or to challenge the Interprovincial Heavy Duty Equipment Technician Examination. Please use additional paper if required.

Employer (Include Address)	Dates of Employment	Experience (Indicate # months)	Total # Hours

Note: *Additional information required on reverse side of page.*

Fees are collected under *The Apprenticeship and Trades Qualification Act* and its Regulations, and information is used to verify hours and place of employment. The information is protected by the provisions of the *Freedom of Information and Protection of Privacy Act*.

This personal information is being collected under the authority of the *Apprenticeship and Trades Qualifications – General Regulation* for the purposes of verifying the number of hours worked in the trade and place of employment. It will not be used or disclosed for other purposes, unless permitted by *The Freedom of Information and Protection of Privacy Act*.

Your personal information is protected by *The Freedom of Information and Protection of Privacy Act*. If you have any questions about the collection of personal information on this form, contact:

Apprenticeship Branch
 1010-401 York Avenue
 Winnipeg MB, R3C 0P8,
 (204) 945-3337 (Phone)
 1-877-978-7233 (Toll Free in Manitoba)
 (204) 948-2346 (Fax)

Work Experience Form

To qualify for a Certificate of Qualification with examination, in the **last ten years**, you must have worked a minimum of **6 years (a total of 10,800 hours)** performing the following job tasks:

<h2>HEAVY DUTY EQUIPMENT TECHNICIAN</h2> <p><i>During the last ten years, what percentage of time have you spent performing the following tasks? Percentages must total 100%.</i></p>	<p><i>Percentage of time spent performing this task</i></p>
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The following general statement applies to the tasks shown below:

INSPECTS, REMOVES, DISASSEMBLES, REPAIRS, REPLACES, INSTALLS AND TESTS

<ul style="list-style-type: none"> • Electrical and Electronic Systems <i>Includes: batteries, charging, starting, ignition, wiring, lighting, control and monitoring systems.</i> 	%
<ul style="list-style-type: none"> • Hydraulic and Hydrostatic Drive Systems <i>Includes: pumps, motors, valves, cylinders, accumulators, control and hydrostatic drive systems.</i> 	%
<ul style="list-style-type: none"> • Power Trains <i>Includes: drive lines, clutches, fluid couplers and torque converters, manual, automatic and power shift transmissions, transfer cases, final drives and differential assemblies.</i> 	%
<ul style="list-style-type: none"> • Internal Combustion Engines <i>Includes: engines and components, lubrication, liquid and air cooled systems, intake and exhaust, diesel, gas, LPG and CNG fuel and engine control systems.</i> 	%
<ul style="list-style-type: none"> • Steering, Suspension, and Braking Systems <i>Includes: manual and hydraulic steering systems; mechanical, hydraulic, air and electric braking systems and suspension systems.</i> 	%
<ul style="list-style-type: none"> • Pneumatics <i>Includes: inspection, removal, disassembly, repair, replacement, installation and testing of compressors, receivers, circuits, valves, components and systems.</i> 	%
<ul style="list-style-type: none"> • Frame, Cab, Chassis, Wheels and Tracks <i>Includes: frame, chassis, wheels, rims, tires, tracks and undercarriage systems, roll-over and falling object protection components, air conditioning and heating units and fire suppression systems.</i> 	%
<ul style="list-style-type: none"> • Attachments, Ground Engaging and Working Tools <i>Includes: attachments, booms, arms, masts, and structural members, cables, hooks, slings, pulleys and winches.</i> 	%
<ul style="list-style-type: none"> • Work Practices <i>Includes: management and planning of job. Interpretation and completion of reports and manufacturer documentation. Use of all common shop tools and materials. Operating of basic welding equipment. Completion of inspection, removal, disassembly, repair, replacement, installation and testing of all common system components such as bearings, seals, pulleys, sprockets etc.</i> 	%
<ul style="list-style-type: none"> • Other Tasks <i>Includes: any other tasks that you may have been assigned. If applicable, please identify these tasks and give a percentage of time spent working on them.</i> 	%
Total	100%

I verify that, to the best of my knowledge, the information I am submitting is true and accurate.

Name (please print): _____

Signature: _____ **Date:** _____

Apprenticeship

1010-401 York Avenue
Winnipeg MB R3C 0P8
Phone (204) 945-3337
1-877-978-7233 in Manitoba
Fax (204) 948-2346



HEAVY DUTY EQUIPMENT TECHNICIAN INTERPROVINCIAL THEORETICAL EXAMINATION TABLE OF CONTENTS

SECTION	TITLE	QUESTIONS	TOTAL
1	Work Practices and Procedures	1 - 11	11
2	Internal Combustion Engines	12 - 28	17
3	Power Trains	29 - 47	19
4	Electrical and Electronic Systems	48 - 70	23
5	Hydraulic and Hydrostatic Drive Systems	71 - 93	23
6	Pneumatics	94 - 101	8
7	Steering, Suspension and Braking Systems	102 - 117	16
8	Frame, Cab, Chassis, Wheels and Tracks	118 - 128	11
9	Attachments, Ground Engaging and Working Tools	129 - 135	7
Total Questions			135

- ◆ This is a multiple-choice examination.
- ◆ A diagram booklet is used with this examination.
- ◆ Maximum time allowed for this examination is 3 hours.
- ◆ Passing standard is 70%.
- ◆ Table of Contents is subject to change without notice.