



RED SEAL EXAM

SELF-ASSESSMENT GUIDE

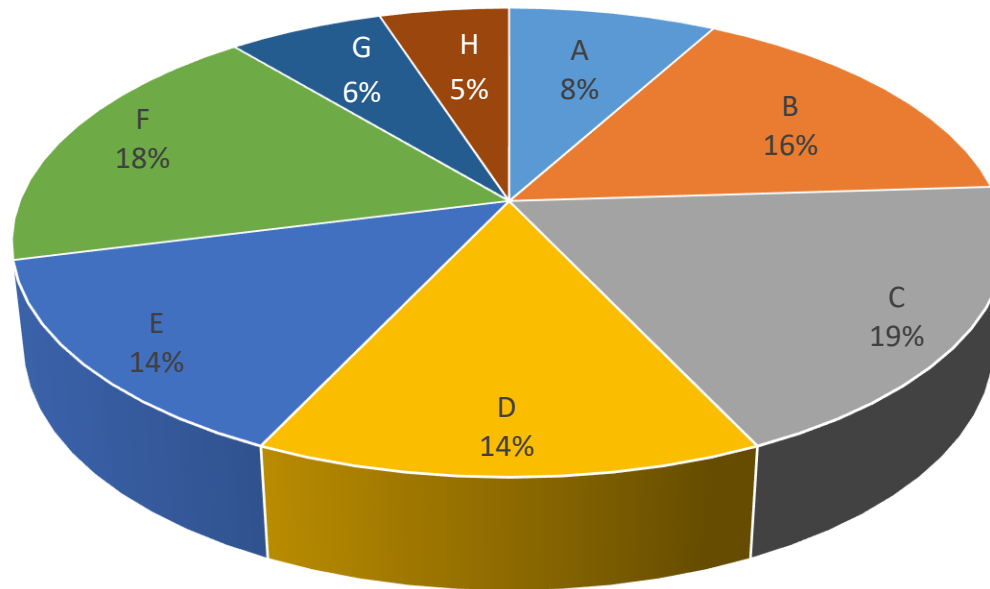
HEAVY DUTY EQUIPMENT TECHNICIAN



Red Seal Exam Weighting

This pie chart represents the distribution of questions on the Red Seal Exam. The self-assessment on the next pages shows the Tasks and Sub-tasks within each Block and the number of questions assigned to each Block and Task.




The Red Seal Exam for this trade has 135 questions.



	Block / Exam Section	Percentage of Questions	Number of Questions out of 135
A	Common occupational skills	8%	11
B	Engines and engine support systems	16%	21
C	Hydraulic, hydrostatic and pneumatic systems	19%	26
D	Drivetrain systems	14%	18
E	Steering, suspension, brake systems, wheel assemblies and undercarriage	14%	20
F	Electrical and vehicle management systems	18%	24
G	Environmental control systems	6%	8
H	Structural components, accessories and attachments	5%	7

Breakdown of Red Seal Exam Questions and Self-Assessment

Rate your own understanding and experience with each task. Look at the activities that make up each task and consider your experience with them of them when rating yourself. Be honest!

-  **LOW** I have **no or very little understanding or experience** in this activity
-  **MEDIUM** I **understand** this activity and have **some experience** doing it in **limited** situations
-  **HIGH** I have a **very good understanding** of this activity and am **fully competent** in doing it in **many** situations

This is not intended to accurately predict how you will actually do on the exam – there may be areas where you are over-confident or under-confident. But it should give you an idea of your strengths and weaknesses.




After you rate your own knowledge and experience as **LOW**, **MEDIUM** or **HIGH**, check how many questions there are and write down how many you think you will get correct.




LOW, you may not get many of those questions right.




MEDIUM, you might get some right.




HIGH, you expect to be able to get most of those questions right.




Comparing your scores with the number of questions on the exam will help you identify which areas you need to prepare the most. Add up your scores from each section to get an idea of your overall readiness for the exam.




	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
A – Common occupational skills					
Task 1 Uses and maintains tools and equipment. A-1.01 Maintains tools and equipment. A-1.02 Uses hoisting and lifting equipment. A-1.03 Operates access equipment. A-1.04 Uses personal protective equipment (PPE) and safety equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Task 2 Performs general maintenance and inspections. A-2.01 Maintains fluids. A-2.02 Services fasteners, sealing devices, adhesives and gaskets. A-2.03 Services hoses, tubing, piping and fittings. A-2.04 Services bearings and seals. A-2.05 Services safety features. A-2.06 Performs scheduled maintenance procedures. A-2.07 Identifies operational faults. A-2.08 Performs operational check-out.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>




	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
Task 3 Organizes work. A-3.01 Uses documentation and reference materials. A-3.02 Completes documentation. A-3.03 Communicates with others. A-3.04 Prepares job action plan. A-3.05 Maintains safe work environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input type="text"/>
Task 4 Performs routine trade activities. A-4.01 Heats materials. A-4.02 Cools materials. A-4.03 Cuts materials. A-4.04 Welds materials. A-4.05 Cleans parts and materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input type="text"/>
Total number of questions for this section:				11	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>

	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
B – Engines and engine support systems Task 5 Diagnoses engines and engine support systems. B-5.01 Diagnoses base engine. B-5.02 Diagnoses lubrication systems. B-5.03 Diagnoses cooling systems. B-5.04 Diagnoses intake and exhaust systems. B-5.05 Diagnoses fuel systems. B-5.06 Diagnoses engine control systems. B-5.07 Diagnoses emission control systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	
Task 6 Repairs engines and engine support systems. B-6.01 Repairs base engines. B-6.02 Repairs lubrication systems. B-6.03 Repairs cooling systems. B-6.04 Repairs intake and exhaust systems. B-6.05 Repairs fuel systems. B-6.06 Repairs engine control systems. B-6.07 Repairs emission control systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
Total number of questions for this section:				21	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; width: 100px; height: 20px;"></div>




	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
C – Hydraulic, hydrostatic and pneumatic systems					
Task 7 Diagnoses hydraulic, hydrostatic and pneumatic systems. C-7.01 Diagnoses hydraulic systems. C-7.02 Diagnoses hydrostatic systems. C-7.03 Diagnoses pneumatic systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	
Task 8 Repairs hydraulic, hydrostatic and pneumatic systems. C-8.01 Repairs hydraulic systems. C-8.02 Repairs hydrostatic systems. C-8.03 Repairs pneumatic systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	
Total number of questions for this section:				26	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>




	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
D – Drivetrain systems Task 9 Diagnoses drivetrain systems. D-9.01 Diagnoses clutch systems. D-9.02 Diagnoses torque converters, fluid couplers and retarders. D-9.03 Diagnoses driveline systems. D-9.04 Diagnoses transmission and transfer case systems. D-9.05 Diagnoses axle and differential systems. D-9.06 Diagnoses final drive systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	<input type="text"/>
Task 10 Repairs drivetrain systems. D-10.01 Repairs clutch systems. D-10.02 Repairs torque converters, fluid couplers and retarders. D-10.03 Repairs driveline systems. D-10.04 Repairs transmission and transfer case systems. D-10.05 Repairs axle and differential systems. D-10.06 Repairs final drive systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
Total number of questions for this section:				18	<input type="text"/>

	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
E – Steering, suspension, brake systems, wheel assemblies and undercarriage Task 11 Diagnoses steering, suspension, brake systems, wheel assemblies and undercarriage. E-11.01 Diagnoses steering systems. E-11.02 Diagnoses suspension systems. E-11.03 Diagnoses brake systems. E-11.04 Diagnoses wheel assemblies. E-11.05 Diagnoses undercarriage systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	<input type="text"/>
Task 12 Repairs steering, suspension, brake systems, wheel assemblies and undercarriage. E-12.01 Repairs steering systems. E-12.02 Repairs suspension systems. E-12.03 Repairs brake systems. E-12.04 Repairs wheel assemblies. E-12.05 Repairs undercarriage systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<input type="text"/>
Total number of questions for this section:				20	<input type="text"/>

	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
F – Electrical and vehicle management systems					
Task 13 Diagnoses electrical systems. F-13.01 Diagnoses starting/charging systems and batteries. F-13.02 Diagnoses electrical components, motors and accessories.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	
Task 14 Repairs electrical systems. F-14.01 Repairs starting/charging systems and batteries. F-14.02 Repairs electrical components, motors and accessories.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Task 15 Diagnoses electronic vehicle management systems. F-15.01 Reads diagnostic trouble codes (DTCs). F-15.02 Monitors parameters. F-15.03 Interprets test results. F-15.04 Tests system circuitry and components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	
Task 16 Repairs electronic vehicle management systems. F-16.01 Updates component software. F-16.02 Repairs components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Total number of questions for this section:				24	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
G – Environmental control systems					
Task 17 Diagnoses environmental control systems. G-17.01 Diagnoses heating systems. G-17.02 Diagnoses ventilation and filtration systems. G-17.03 Diagnoses air conditioning systems. G-17.04 Diagnoses sound suppression systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Task 18 Repairs environmental control systems. G-18.01 Repairs heating systems. G-18.02 Repairs ventilation and filtration systems. G-18.03 Repairs air conditioning systems. G-18.04 Repairs sound suppression systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Total number of questions for this section:				8	SUM OF YOUR EXPECTED CORRECT ANSWERS

	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
H – Structural components, accessories and attachments					
Task 19 Diagnoses structural components, accessories and attachments. H-19.01 Diagnoses structural components. H-19.02 Diagnoses operator station components. H-19.03 Diagnoses attachments and accessories.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Task 20 Repairs structural components, accessories and attachments. H-20.01 Performs mechanical repairs on structural components. H-20.02 Repairs operator station components. H-20.03 Repairs attachments and accessories. H-20.04 Installs attachments and accessories.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Total number of questions for this section:				7	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>

	 LOW Understanding / Experience	 MEDIUM Understanding / Experience	 HIGH Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<p>Now, add up the totals you gave yourself for each section.</p>				TOTAL NUMBER OF QUESTIONS 135	MY EXPECTED TOTAL <input data-bbox="1738 565 1992 634" type="text"/>

Interpreting your Self-Assessment

What score did you give yourself?

Divide it by the number of questions to get a percentage.

The passing mark for the Red Seal exam is 70%. If you rated yourself higher than that overall, you feel pretty confident that your experience and knowledge in the trade are good enough for a pass. However, remember that this self-assessment is just a guide. We still encourage you to develop a study plan and to consider the areas where you rated yourself as less confident.

If your overall score is less than 70%, you might have more work to do. Look more closely at your scores section by section. What are the areas where you have the most to gain?

Look over the Red Seal Exam Preparation Guide for more advice.