

88M TRACTOR TRAILER AND HEMTT PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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THE FULL VERSION STUDY GUIDE

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. When should you perform a pre-trip inspection on a tractor trailer?**
 - A. Only if there are visible issues
 - B. Before every trip
 - C. Weekly
 - D. After loading
- 2. What is the maximum limp speed for the M1120?**
 - A. 5 mph for 10 miles
 - B. 10 mph for 30 miles
 - C. 15 mph for 20 miles
 - D. 20 mph for 15 miles
- 3. What is the purpose of the M872A's adjustable bumper?**
 - A. Enhance aerodynamics
 - B. Improve visibility
 - C. Allow access to spare tire
 - D. Provide additional storage
- 4. What action should the operator take if the voltmeter of the M915 reads in the red band?**
 - A. Continue driving
 - B. Adjust the voltage settings
 - C. Stop and call maintenance
 - D. Check the battery connections
- 5. What action should the operator take if the voltmeter is reading in the red band on the M915?**
 - A. Ignore the reading
 - B. Check the battery fluid
 - C. Notify maintenance
 - D. Reduce engine speed

- 6. What is the cruising range on a full tank for the M915?**
- A. 300 miles
 - B. 400 miles
 - C. 500 miles
 - D. 600 miles
- 7. What is the function of the M1120's brake chambers?**
- A. To enhance engine performance
 - B. To provide hydraulic pressure
 - C. To control vehicle braking
 - D. To maintain tire pressure
- 8. What color is the service air coupling hose on the M872A?**
- A. Green
 - B. Blue
 - C. Yellow
 - D. Black
- 9. What is the primary concern regarding the maximum load capacity of the M1120's towing eyes?**
- A. Overheating
 - B. Structural integrity
 - C. Fuel consumption
 - D. Brake effectiveness
- 10. What step follows disconnecting the air lines and light cable during uncoupling procedures?**
- A. Pull secondary and primary pins
 - B. Attach safety chains
 - C. Check tire pressure
 - D. Secure the cab doors

Answers

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1. B
2. B
3. C
4. C
5. C
6. B
7. C
8. B
9. B
10. A

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Explanations

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1. When should you perform a pre-trip inspection on a tractor trailer?

- A. Only if there are visible issues
- B. Before every trip**
- C. Weekly
- D. After loading

Performing a pre-trip inspection before every trip is a critical practice for ensuring safety and compliance in the operation of a tractor trailer. This routine check allows operators to identify any potential mechanical issues, safety hazards, or equipment malfunctions that could pose risks while driving. By consistently conducting these inspections, drivers can help prevent accidents and breakdowns on the road, which not only enhances their safety but also that of other road users. In addition, regular pre-trip inspections are often mandated by regulations in order to maintain the vehicle's operational readiness and to adhere to legal standards. This preventative measure ensures that all necessary components, including brakes, lights, tires, and load securement devices, are functioning correctly and that the vehicle is safe to operate. Choosing to perform a pre-trip inspection only when visible issues are noted, only weekly, or just after loading does not adequately address the importance of ongoing vehicle safety. These alternatives do not ensure that any potential issues are caught proactively before embarking on a trip, which could lead to severe consequences if left unchecked. Regular inspections are thus fundamental to responsible vehicle operation in the trucking industry.

2. What is the maximum limp speed for the M1120?

- A. 5 mph for 10 miles
- B. 10 mph for 30 miles**
- C. 15 mph for 20 miles
- D. 20 mph for 15 miles

The maximum limp speed for the M1120 is critical information for operators, especially in scenarios where a vehicle may need to be moved despite a malfunction or failure in one of its systems. The correct answer indicates that the M1120 can be operated at a speed of 10 mph for a distance of up to 30 miles while in a "limp" mode. This speed and distance allow operators to transport the vehicle to a maintenance or repair location without putting additional strain on the malfunctioning systems. The specifications emphasize the vehicle's ability to maintain a reasonable speed for an extended distance, balancing the need for mobility with the potential limitations imposed by the malfunction. Understanding this concept is crucial for operators who may find themselves in situations where a full-functioning vehicle is necessary, yet repairs are needed before the vehicle can safely return to full operational capability. It ensures that personnel can act efficiently and effectively in managing logistics and operations.

3. What is the purpose of the M872A's adjustable bumper?

- A. Enhance aerodynamics
- B. Improve visibility
- C. Allow access to spare tire**
- D. Provide additional storage

The adjustable bumper of the M872A serves the specific function of providing access to the spare tire. This design feature is crucial for operational efficiency and safety during transport missions. If a situation arises where the spare tire is needed, having an accessible method to retrieve it ensures that maintenance and repairs can be conducted quickly without extensive delays. Moreover, while the other options present various features that may be beneficial in different contexts, they do not pertain directly to the specific function of the M872A's adjustable bumper. Enhancing aerodynamics, improving visibility, or providing additional storage are not the primary roles of the bumper in this particular case. Understanding the correct purpose of such components is essential for truck operators and maintenance teams to ensure the effective operation of military and transport vehicles.

4. What action should the operator take if the voltmeter of the M915 reads in the red band?

- A. Continue driving
- B. Adjust the voltage settings
- C. Stop and call maintenance**
- D. Check the battery connections

When the voltmeter of the M915 reads in the red band, it indicates a serious issue with the electrical system, often related to over-voltage or a significant malfunction. This condition can lead to severe damage to the vehicle's electrical components, and it's critical to address it immediately. Stopping the vehicle and calling maintenance is the appropriate action because it ensures that a qualified technician can diagnose and remedy the issue before further operation. Continuing to drive in this condition can exacerbate existing problems and could endanger the operator and others on the road. Adjusting voltage settings or checking battery connections might be feasible troubleshooting steps, but they should only be performed by someone with the appropriate training and understanding of the vehicle's systems, making professional maintenance the safest choice in this scenario.

5. What action should the operator take if the voltmeter is reading in the red band on the M915?

- A. Ignore the reading
- B. Check the battery fluid
- C. Notify maintenance**
- D. Reduce engine speed

When the voltmeter reading indicates a value in the red band on the M915, this typically signifies an issue with the electrical system, such as overvoltage or irregular voltage levels that could potentially damage components. The appropriate action for the operator is to notify maintenance. This step is crucial because professional technicians need to assess the situation, diagnose any underlying problems, and perform repairs to ensure the vehicle operates safely and effectively. Ignoring the reading could lead to further complications or damage to the vehicle's electrical system, while checking the battery fluid may not address the root cause of the issue, especially if the problem is related to the alternator or the overall electrical system. Reducing engine speed might alter the voltage momentarily, but it doesn't resolve the fundamental problem that the voltmeter is indicating. Therefore, notifying maintenance is the best course of action to ensure proper evaluation and maintenance of the vehicle.

6. What is the cruising range on a full tank for the M915?

- A. 300 miles
- B. 400 miles**
- C. 500 miles
- D. 600 miles

The cruising range of the M915 on a full tank is indeed approximately 400 miles. This distance is determined by various factors, including the vehicle's fuel capacity, engine efficiency, and typical operational conditions under which the vehicle is used. The M915, designed for heavy-duty cargo transport, is equipped with a fuel system that allows it to effectively leverage its fuel for long-distance travel, making 400 miles a practical estimate for its operational range. Understanding this cruising range is crucial for planning logistics and ensuring that fuel supplies are managed efficiently during operations.

7. What is the function of the M1120's brake chambers?

- A. To enhance engine performance
- B. To provide hydraulic pressure
- C. To control vehicle braking**
- D. To maintain tire pressure

The function of the M1120's brake chambers is to control vehicle braking. Brake chambers are essential components of the air brake system in heavy-duty vehicles, including the M1120. They convert compressed air into mechanical force, which activates the brakes, allowing the driver to slow down or stop the vehicle efficiently. When the driver applies the brakes, air is delivered to the brake chambers, causing a diaphragm to move, which in turn pushes a piston that engages the brake shoes against the drum or rotors. This mechanical action is crucial for safe vehicle operation, especially given the weight and size of the M1120, which requires robust braking capability to ensure effective control under various driving conditions. Understanding the braking system's role is fundamental for operators to ensure safety and proper maintenance of the vehicle. The other options refer to functions that do not pertain to the brake chambers: engine performance relates to power generation, hydraulic pressure applies to systems that use fluid power, and tire pressure is maintained separately and independently from the braking system.

8. What color is the service air coupling hose on the M872A?

- A. Green
- B. Blue**
- C. Yellow
- D. Black

The service air coupling hose on the M872A is standardized to be blue. This color is part of the military's coding system, which helps ensure that operators can quickly identify and connect the appropriate air lines during operations, particularly under challenging conditions. Blue is specifically designated for service air lines, differentiating them from other hoses, such as those used for brake systems or other functions, which can be different colors like green or yellow. This color coding enhances safety and efficiency, allowing for clear visual identification during pre-operation checks and maintenance.

9. What is the primary concern regarding the maximum load capacity of the M1120's towing eyes?

- A. Overheating
- B. Structural integrity**
- C. Fuel consumption
- D. Brake effectiveness

The primary concern regarding the maximum load capacity of the M1120's towing eyes is structural integrity. The towing eyes are crucial components designed to bear the weight of the load being towed. If the load exceeds their designed capacity, it can lead to material fatigue, deformation, or even complete failure of the towing eyes. This structural failure can pose significant safety risks during operation, potentially endangering both the operator and nearby personnel. While factors like overheating, fuel consumption, and brake effectiveness are important for the overall performance of the vehicle, they are not directly related to the towing eyes' ability to safely and effectively manage the loads attached to them. Understanding the limits and ensuring that the structural integrity of the towing eyes is maintained is essential for safe towing practices.

10. What step follows disconnecting the air lines and light cable during uncoupling procedures?

- A. Pull secondary and primary pins**
- B. Attach safety chains
- C. Check tire pressure
- D. Secure the cab doors

After disconnecting the air lines and light cable during uncoupling procedures, the next step is to pull the secondary and primary pins. This action is essential as it allows for the trailer to be released from the tractor safely. The primary and secondary locks are mechanisms that secure the trailer to the tractor, and disengaging them is critical to ensure that the trailer can be safely separated without causing any damage or hazards. This step is part of the fundamental safety protocols involved in handling trailer connections, ensuring that the operation is smooth and adheres to the required procedures. Properly following this step helps to prevent accidents that could occur from improper separation of the vehicle components, as it ensures that everything has been disengaged before the trailer is detached.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://8mmtractortrailerhemtt.examzify.com>

We wish you the very best on your exam journey. You've got this!

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