

88M TRACTOR TRAILER AND HEMTT PRACTICE TEST (SAMPLE)

STUDY GUIDE



Prepare with structure. Pass with confidence



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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. How many brake chambers does the M1120 have?**
 - A. 6
 - B. 7
 - C. 8
 - D. 9
- 2. When inflating the M1120 vehicle suspension system, how much will the vehicle rise?**
 - A. 2 inches
 - B. 4 inches
 - C. 6 inches
 - D. 8 inches
- 3. What must an operator remember before using the LHS hydraulic selector switch?**
 - A. Vehicle must be in neutral
 - B. Engine must be at idle
 - C. Parking brake must be engaged
 - D. Transmission must be in drive
- 4. What is the purpose of the brake system in a tractor trailer?**
 - A. To provide emergency steering
 - B. To control the vehicle speed
 - C. To increase engine performance
 - D. To manage fuel consumption
- 5. What are the two types of air pressure gauges used in the M915?**
 - A. Main and backup
 - B. Primary and secondary
 - C. Front and rear
 - D. Analog and digital

- 6. What organizational maintenance must be performed after the first 1,000 miles have been driven with a new M872A?**
- A. Replace brake pads
 - B. Change the oil
 - C. Torque trailer suspension nuts
 - D. Align the trailer wheels
- 7. What psi of air is required in the rear air system for the suspension dump valve to function?**
- A. 50 psi
 - B. 60 psi
 - C. 70 psi
 - D. 80 psi
- 8. What color is the service air coupling hose on the M872A?**
- A. Green
 - B. Blue
 - C. Yellow
 - D. Black
- 9. What is the maximum duration you can ford water that is up to 48 inches deep?**
- A. 2 minutes
 - B. 5 minutes
 - C. 10 minutes
 - D. 15 minutes
- 10. How many positions does the traction control switch have?**
- A. 1
 - B. 2
 - C. 3
 - D. 4

Answers

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

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Explanations

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1. How many brake chambers does the M1120 have?

- A. 6
- B. 7
- C. 8**
- D. 9

The M1120, a variant of the HEMTT (Heavy Expanded Mobility Tactical Truck), is equipped with a specific braking system to ensure effective stopping power. It has a total of eight brake chambers, which are essential for its air brake system. Each brake chamber is connected to the vehicle's braking system and plays a crucial role in providing the necessary force to engage the brakes on each wheel assembly. This configuration allows the M1120 to distribute braking forces effectively across the truck, enhancing stability and control during operation, especially under heavy loads or challenging terrain. Understanding the components and their functions, including the number of brake chambers, is critical for both safety and maintenance procedures in military logistics and transportation missions.

2. When inflating the M1120 vehicle suspension system, how much will the vehicle rise?

- A. 2 inches
- B. 4 inches**
- C. 6 inches
- D. 8 inches

The correct amount that the M1120 vehicle suspension system rises when inflated is 4 inches. This specific measurement is a key aspect of the vehicle's design and functionality, as it directly relates to the vehicle's load-bearing capabilities and the effectiveness of its suspension system. When the suspension system is properly inflated, it enhances the vehicle's stability and handling, making it crucial for safe operation, particularly when carrying heavy loads. Moreover, understanding this rise is vital for operators to ensure adequate clearance and prevent damage to the vehicle under various road and load conditions. The rise of 4 inches is also consistent with manufacturer specifications, as it provides a balance between performance and comfort during driving. Recognizing the correct inflation rise helps operators adjust loads accordingly to maintain optimal vehicle performance.

3. What must an operator remember before using the LHS hydraulic selector switch?

- A. Vehicle must be in neutral
- B. Engine must be at idle**
- C. Parking brake must be engaged
- D. Transmission must be in drive

The correct answer is that the engine must be at idle before using the LHS hydraulic selector switch. This is crucial for ensuring safe and effective operation of the hydraulic systems on the vehicle. When the engine is at idle, it reduces the risk of any unintended movements or sudden surges in hydraulic pressure that could occur if the engine were running at higher RPMs. This precaution helps prevent accidents and prevents damage to the hydraulic components by ensuring they operate within their intended parameters. By adhering to this guideline, operators can manipulate the hydraulic systems smoothly and effectively, ensuring that they are in complete control of the vehicle's functions. Other factors, such as placing the vehicle in neutral or securing the parking brake, may contribute to safe operating procedures in a broader sense, but the critical condition specifically related to the operation of the hydraulic selector switch is that the engine should be at idle to prevent complications during hydraulic engagements and disengagements.

4. What is the purpose of the brake system in a tractor trailer?

- A. To provide emergency steering
- B. To control the vehicle speed**
- C. To increase engine performance
- D. To manage fuel consumption

The brake system in a tractor trailer primarily serves to control the vehicle speed, ensuring safe operation during various driving conditions. This system is essential for slowing down or stopping the vehicle effectively when needed, which is crucial for maintaining safety on the road, particularly given the significant weight and size of a tractor trailer. By regulating speed, the brake system helps the driver respond to changing traffic conditions and preventing potential accidents. The brake system functions through various components, such as air brakes or hydraulic brakes, which provide the necessary force to reduce speed or halt movement completely. This gives the driver a reliable way to manage the vehicle's velocity, especially during descents or when navigating tight turns. While emergency steering, engine performance, and fuel consumption are important aspects of vehicle operation, they do not fall within the primary purpose of the brake system. The brakes are specifically designed to control speed rather than enhance steering, engine output, or fuel efficiency.

5. What are the two types of air pressure gauges used in the M915?

- A. Main and backup
- B. Primary and secondary**
- C. Front and rear
- D. Analog and digital

The correct answer identifies the two types of air pressure gauges in the M915 as primary and secondary. In this context, the primary gauge usually provides the main source of air pressure readings for the vehicle's air brake system, offering real-time monitoring essential for safe operation. The secondary gauge serves as a backup, ensuring that if the primary gauge fails or provides inaccurate readings, the secondary gauge can still provide necessary information. This redundancy is crucial in military and heavy-duty vehicles, where safe operation is paramount, especially when transporting heavy loads or operating under various environmental conditions. The other options do not specifically reflect the terminology used in the M915 design. For instance, terms like main and backup can generally describe gauge functionality but lack the specific designations used by the manufacturer. Similarly, front and rear might refer to the physical locations of different components but do not accurately represent the gauge types. Lastly, while both analog and digital gauges are found in modern vehicles, the M915 specifically employs primary and secondary gauges, with no indication that digital gauges are part of this system. Understanding the specific terminology and design used in the M915 helps in grasping the complexities of its operation and maintenance.

6. What organizational maintenance must be performed after the first 1,000 miles have been driven with a new M872A?

- A. Replace brake pads
- B. Change the oil
- C. Torque trailer suspension nuts**
- D. Align the trailer wheels

After driving a new M872A for the first 1,000 miles, the organizational maintenance that must be performed includes torquing the trailer suspension nuts. This procedure is critical because the components of the trailer, including the suspension system, may experience shifts and settling as they break in during the initial break-in period. Ensuring that the suspension nuts are properly torqued helps maintain the integrity and stability of the trailer's suspension system, which is essential for safe handling and load distribution. It also prevents potential damage or failure of the suspension components over time. While changing the oil, aligning the trailer wheels, and replacing brake pads are important maintenance tasks, they are typically not specifically mandated after the first 1,000 miles for this particular type of trailer. It is essential to follow the manufacturer's maintenance schedule, which highlights the importance of torquing suspension elements after initial usage to ensure optimal performance and safety.

7. What psi of air is required in the rear air system for the suspension dump valve to function?

- A. 50 psi
- B. 60 psi
- C. 70 psi**
- D. 80 psi

The rear air system requires a minimum pressure of 70 psi for the suspension dump valve to function correctly. This specific pressure threshold ensures that the air suspension system has enough force to operate effectively. When the air pressure reaches this level, the dump valve can engage, allowing the suspension system to release air, which is essential for lowering the vehicle for loading or unloading. Having inadequate pressure in the system can prevent the dump valve from operating, which may result in improper vehicle handling, difficulty in loading, and potentially unsafe driving conditions. Therefore, understanding the importance of maintaining the appropriate psi in the rear air system is crucial for the effective operation of the air suspension 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 maximum duration you can ford water that is up to 48 inches deep?

- A. 2 minutes
- B. 5 minutes**
- C. 10 minutes
- D. 15 minutes

The correct answer is based on the operational guidelines for fording water with a tractor trailer or HEMTT (Heavy Expanded Mobility Tactical Truck). When fording water that is up to 48 inches deep, the maximum duration you can safely ford is established to ensure the vehicle's engine and electrical system remain protected from submersion and potential damage. Fording for up to 5 minutes is considered a safe limit to maintain vehicle functionality while allowing for a controlled passage through the water. This duration strikes a balance between effective maneuvering and minimizing risks, as prolonged exposure could lead to engine overheating or water intrusion into vital systems. This particular time frame is part of the standard operating procedures which provide operators with the best practices necessary to prevent water-related damage while ensuring the mission can proceed efficiently. If a vehicle becomes submerged for longer than this established limit, the risk factors increase significantly. Understanding these operational limits is crucial for maintaining vehicle integrity and mission readiness.

10. How many positions does the traction control switch have?

- A. 1
- B. 2
- C. 3**
- D. 4

The traction control switch is designed with multiple positions to allow the driver to effectively manage the vehicle's traction control system. Specifically, having three positions enables the driver to select different levels of traction control based on driving conditions. This can include full traction control for slippery conditions, reduced traction control for moderate conditions, and a completely off setting for when the driver wants full control without electronic intervention, such as in off-road scenarios or when performing specific maneuvers. In contrast, fewer positions would limit the driver's ability to adapt the vehicle's traction management to varying circumstances, which is crucial for optimizing performance and safety. The three distinct settings facilitate better control, allowing for flexibility in various driving environments. Therefore, the correct understanding of the traction control switch and its design to offer multiple operational modes is fundamental in utilizing the vehicle's capabilities effectively.

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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