

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. How many cylinders should be used for driving on level roads with light loads on the M915?**
 - A. 1
 - B. 2
 - C. 3
 - D. 4
- 2. What should be referred to when determining if a vehicle's cube limitations have been exceeded before tying down a load?**
 - A. Owner's manual
 - B. Vehicle data plate
 - C. Load distribution chart
 - D. Manufacturer's specifications
- 3. In an off-road application, what is the maximum pulling load capacity of the M1120?**
 - A. 25,000 pounds
 - B. 30,000 pounds
 - C. 35,000 pounds
 - D. 40,000 pounds
- 4. What must an operator do prior to locking the inter-axle differential lock?**
 - A. Accelerate to 20 mph
 - B. Engage the parking brake
 - C. Come to a complete stop
 - D. Shift into low gear
- 5. What gear is displayed in the M1120 digital display window when the engine brake is activated while decelerating?**
 - A. 1
 - B. 2
 - C. 3
 - D. 4

- 6. What is the significance of the tachometer's display?**
- A. To measure fuel efficiency
 - B. To indicate the vehicle's weight
 - C. To show engine speed
 - D. To monitor tire pressure
- 7. What is the safe minimum operating engine oil pressure of the M1120?**
- A. 30 psi
 - B. 40 psi
 - C. 50 psi
 - D. 60 psi
- 8. Before fording water, what is a critical requirement for the M1120?**
- A. Decreasing tire pressure
 - B. Adjusting the brake alignment
 - C. Ensuring proper air pressure in the rear system
 - D. Checking the oil level
- 9. How many brake chambers does the M1120 have?**
- A. 6
 - B. 7
 - C. 8
 - D. 9
- 10. 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

Answers

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

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Explanations

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1. How many cylinders should be used for driving on level roads with light loads on the M915?

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

The M915 is designed to optimize fuel efficiency and performance under various load and terrain conditions. When driving on level roads with light loads, it is most efficient to engage two cylinders. Using two cylinders allows the engine to operate efficiently without wasting fuel while still providing enough power for light loads. Engaging more cylinders than necessary could lead to reduced fuel economy, as the engine would be consuming more fuel than required for the lighter conditions. This balance of power and efficiency is crucial for modern heavy trucks like the M915, which are often equipped with advanced engine management systems allowing for such selective cylinder operation. This practice is part of managing the vehicle's performance effectively in different driving environments.

2. What should be referred to when determining if a vehicle's cube limitations have been exceeded before tying down a load?

- A. Owner's manual
- B. Vehicle data plate**
- C. Load distribution chart
- D. Manufacturer's specifications

The vehicle data plate is an essential resource for determining whether a vehicle's cube limitations have been exceeded. This plate provides critical information specific to the vehicle, including its maximum weight capacity, load distribution requirements, and other vital specifications. By consulting the vehicle data plate, operators can accurately assess whether the load they are planning to tie down falls within the permissible limits of the vehicle's design. This ensures safe handling and operation, as exceeding these limitations can lead to safety hazards, equipment damage, and operational inefficiencies. In contrast, while the owner's manual and manufacturer's specifications can offer general guidance about vehicle operations and capabilities, they may not provide precise loading limits specific to the cube requirements for that vehicle at that moment. The load distribution chart, while helpful for understanding how to distribute weight, does not typically address the total volume or cube limitations directly. Thus, the most reliable and immediate source for cube limitations is the vehicle data plate.

3. In an off-road application, what is the maximum pulling load capacity of the M1120?

- A. 25,000 pounds
- B. 30,000 pounds**
- C. 35,000 pounds
- D. 40,000 pounds

The maximum pulling load capacity of the M1120 in off-road applications is indeed 30,000 pounds. This capacity is significant because it represents the vehicle's ability to effectively tow equipment and trailers over rugged terrain, where factors such as traction, stability, and engine power come into play. Understanding the M1120's design is essential; it is built specifically for military operations, which often involve challenging environments. The vehicle's robust chassis and powerful engine contribute to its impressive towing capabilities. When considering the options, 30,000 pounds is recognized as a reliable limit that balances performance with safety under off-road conditions. Therefore, operators must be mindful of this capacity to ensure efficient and safe operations without overloading the vehicle, which could lead to mechanical failures or safety hazards in the field.

4. What must an operator do prior to locking the inter-axle differential lock?

- A. Accelerate to 20 mph
- B. Engage the parking brake
- C. Come to a complete stop**
- D. Shift into low gear

Prior to locking the inter-axle differential lock, it is necessary for an operator to come to a complete stop. This is critical because engaging the differential lock while the vehicle is still in motion can cause unnecessary stress on the drivetrain and lead to mechanical failure. The differential lock is designed to provide maximum traction by locking the axles together, which is beneficial in low-traction situations. However, if the vehicle is moving, especially at higher speeds, it can result in binding and potential damage to the axle components. Therefore, stopping allows the lock to engage smoothly and safely, ensuring the vehicle's operational integrity while providing optimal performance when needed.

5. What gear is displayed in the M1120 digital display window when the engine brake is activated while decelerating?

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

When the engine brake is activated while decelerating in an M1120, the digital display typically shows a gear position indicator, which reflects the current gear the transmission is operating in. The activation of the engine brake is intended to assist in slowing down the vehicle without excessive use of the standard braking system, which can generate heat and increase wear. In this specific scenario, the display showing gear 2 indicates that the transmission is designed to downshift into a lower gear, optimizing the engine's braking ability. This allows the engine to provide sufficient resistance against the vehicle's momentum, thereby enhancing control and stability during deceleration. The display accurately represents this action by showing gear 2, which aligns with the operational characteristics of the vehicle when the engine brake is employed. Other digits would suggest a different gear, potentially reflecting an inappropriate response for effective engine braking during deceleration. Thus, the indication of gear 2 effectively communicates that the vehicle is utilizing the engine's braking capabilities optimally at that moment.

6. What is the significance of the tachometer's display?

- A. To measure fuel efficiency
- B. To indicate the vehicle's weight
- C. To show engine speed**
- D. To monitor tire pressure

The tachometer's display is significant because it accurately indicates the engine speed, which is measured in revolutions per minute (RPM). This information is crucial for drivers to understand how hard the engine is working, allowing them to operate the vehicle efficiently and prevent engine over-revving. Maintaining the engine within the optimal RPM range helps enhance performance, fuel efficiency, and longevity. Having the right RPM is vital for shifting gears, as it ensures smooth transitions and prevents strain on the engine and drivetrain. Monitoring engine speed also aids in understanding the engine's performance during various driving conditions, making it an essential instrument in vehicles, particularly heavy-duty ones like tractor trailers and HEMTT.

7. What is the safe minimum operating engine oil pressure of the M1120?

- A. 30 psi
- B. 40 psi**
- C. 50 psi
- D. 60 psi

The safe minimum operating engine oil pressure for the M1120 is indeed 40 psi. Maintaining this minimum pressure is crucial for ensuring proper lubrication of engine components, which helps prevent increased wear and potential engine damage. Adequate oil pressure ensures that the oil circulates effectively throughout the engine, delivering lubrication where it is needed most. Operating with oil pressure below this minimum can lead to insufficient lubrication, which may eventually result in engine overheating, reduced efficiency, or catastrophic failure due to metal-on-metal contact. Regular monitoring of oil pressure during operation is essential to detect any issues early and maintain engine health. Therefore, understanding that 40 psi is the minimum threshold allows operators to ensure the longevity and reliability of the vehicle's engine.

8. Before fording water, what is a critical requirement for the M1120?

- A. Decreasing tire pressure
- B. Adjusting the brake alignment
- C. Ensuring proper air pressure in the rear system**
- D. Checking the oil level

Ensuring proper air pressure in the rear system is crucial before fording water with the M1120. This is because the vehicle's ability to maintain stability and prevent flotation during water crossings is significantly influenced by the air pressure in the tires. Properly inflated tires ensure optimal contact with the ground, which is essential for traction and control when driving through water. In water fording conditions, a vehicle's weight distribution and buoyancy can affect how it handles. If the rear tires are underinflated, it could lead to decreased control and the possibility of the vehicle tipping or floating in unpredictable ways. Therefore, checking and ensuring the appropriate air pressure in the rear system provides necessary stability and safety, allowing the vehicle to navigate through water more effectively. Other options like decreasing tire pressure or checking the oil level have different implications that are not specifically critical before fording water. Adjusting brake alignment is more related to performance on dry surfaces rather than directly impacting water fording capability.

9. 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.

10. 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.

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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