

**Loader/Securer**  
**STGO**

**A50**  
**Technical Test – Theory**

|                            |   |
|----------------------------|---|
| Roles and responsibilities | 1. What is the definition of, or how can a hazard be described?   |
|                            | A   |
|                            | 2. What is the purpose of a risk assessment?  |
|                            | A   |
|                            | 3. List SIX typical subject areas that should be covered in a site induction.   |
|                            | A   |
|                            | 4. What THREE main duties of the Health and Safety at Work Act must employees follow?   |
|                            | A   |
|                            | 5. What does the Health and Safety at Work Act require employers to do with regards specifically to vehicles and equipment?                                 |
|                            | A   |
|                            | 6. a) What is the purpose of a Method Statement and b) what is required of the driver?  |
|                            | A   |
|                            | 7. Name FOUR different types or levels of sanctions that can be applied to transport drivers who do not comply with, or follow legislation and regulations. |
|                            | A   |
|                            | 8. Transport drivers are generally regarded as 'safety-critical' workers. What does this mean?  |
|                            | A   |

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| Roles and responsibilities continued  | 9. Name THREE ways in which transport drivers can minimise their impact upon the environment whilst using the vehicle.  |
|   | A   |
|   | 10. In what situation does a hard hat need to be worn when driving a transporter?   |
|   | A   |
|   | 11. The transport driver has to drive a new type of plant that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the transport driver to have? |
|   | A   |
|   | 12. What are the possible outcomes if being prosecuted for not complying with legislation and regulations?  |
|   | A   |
|   | 13. Give TWO examples of where The Work at Height Regulations may apply to transporters.  |
|   | A   |
|   | 14. How can a qualification or card benefit a transport driver?   |
|   | A   |
|   | 15. Name THREE ways that a transport driver can contribute in ensuring repeat business with the client or main contractor.  |
|   | A   |
|   | Preparing for work  |
| A   |   |
| 17. What is a possible consequence of using a tyre with a deep cut in the sidewall? |   |
| A   |   |
|   | 18. If the transport driver has to top-up the engine oil, state TWO precautions to ensure cleanliness of the system.  |
| A   |   |

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| <b>For questions 19 and 20 the Operator's Manual for one of the items of plant being used for the test MUST be available for reference by the candidate</b> |  |
| Preparing for work continued  | 19. Using the machine's Operator's Manual, state the procedure for preparing and loading the machine onto a transporter.         |
|   | A  |
|   | 20. Using the machine's Operator's Manual, state how the machine must be secured for transport.                                  |
|   | A  |
|   | 21. If checking the oil level using a dipstick, why must gloves be worn?   |
|   | A  |
|   | 22. What is the difference between a low loader and a semi-trailer?  |
|   | A  |
|   | 23. Name ONE example of 'road friendly' suspension.  |
|   | A  |
| 24. On start up, the air pressure on the vehicle is low. What actions must the transport driver carry out before work and during work?                      |  |
| A   |  |
| 25. During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.                           |  |
| A   |  |
| Travelling and manoeuvring  | 26. Before setting off to retrieve a machine from site, in terms of arrival, what THREE things should be checked before leaving? |
|   | A  |
|   | 27. What problems and hazards can soft ground cause to a loaded transporter?   |
|   | A  |
| 28. a) What is the minimum distance allowed near open trenches when travelling with a transporter and b) explain why.                                       |  |
| A   |  |

*continued...*

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| Travelling and manoeuvring continued   | 29. When are the most likely times that loads may move during transit in the transporter?                   |
|  | A   |
|  | 30. Give THREE possible reasons why transporters should not stray off the designated travel routes.         |
|  | A   |
| Setting up for work  | 31. If setting up to work in a pedestrianised area, state THREE factors that need to be taken into account. |
|  | A   |
|  | 32. Name SIX safety considerations when selecting a site for loading or unloading plant.                    |
|  | A   |
|  | 33. Once the transporter is positioned, state SIX actions to be considered before loading commences.        |
|  | A   |
|  | 34. Where and why would packing be used?  |
|  | A   |
|  | 35. When is loading and unloading allowed on verges or footpaths?   |
|  | A   |
| 36. Whenever possible, who should decide the positioning of the transporter for loading? |   |
| A  |   |
| Working tasks  | 37. When working in a confined area or space, name THREE hazards that can occur.                            |
|  | A   |

*continued...*

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| Working tasks continued  | 38. a) What is the recommended minimum distance to be kept away from overhead power lines mounted on wooden poles when loading and b) explain why a distance should be kept. |
|  | A  |
|  | 39. What is the maximum distance that the end marker board must be from the edge of a projection?  |
|  | A  |
|  | 40. What checks should be made to flat webbing slings before use?  |
|  | A  |
|  | 41. Under what conditions can lashing chains be used for lifting operations?   |
|  | A  |
|  | 42. a) What type of lashing should be used when securing a 360 excavator fitted with rubber tracks and b) explain why.   |
|  | A  |
|  | 43. Why should the centre of gravity of a load be in front of the rear axle of an articulated semi trailer?  |
|  | A  |
|  | 44. What effect does chocking timber (dunnage) have on carrying capacity?  |
|  | A  |
|  | 45. If loading a smooth drum ride-on roller, how can friction between the drums and the transporter ramps/bed be increased?  |
|  | A  |
| 46. When a long load on a short rigid vehicle results in excessive overhang over the rear of the vehicle, what are TWO possible dangers? |  |
| A  |  |
| 47. What is the definition of a 'long load'?   |  |
| A  |  |
| 48. What is the maximum width of a load before it becomes classed as a 'wide load'?  |  |
| A  |  |

*continued...*

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| Working tasks continued  | 49. State three instances when marker boards must be fitted.  |
|  | A   |
|  | 50. Give FIVE instances where lights should be fitted to an overhanging load both widthways and lengthways. |
|  | A   |
|  | 51. What THREE pieces of information are needed to calculate axle loadings?                                 |
|  | A   |
|  | 52. How is the kerbside weight of a vehicle determined?   |
|  | A   |
|  | 53. Before loading or unloading on the public highway, what specific measures must be considered?           |
|  | A   |
|  | 54. During the loading process, in terms of the load, what is the transporter driver responsible for?       |
|  | A   |
|  | 55. When loading, where is the optimum, or best position to place an item of plant?                         |
|  | A   |
| 56. What is the recommended maximum pull on a restraining or lashing chain?  |   |
| A  |   |
| 57. In general: a) what is the maximum angle that lashings should be restricted to and b) why?                                     |   |
| A  |   |
| 58. When securing machines having hydraulically operated booms (e.g. 360 excavators etc), what should be ensured when restraining? |   |
| A  |   |

*continued...*

|   |   |
|---|---|
| Working tasks continued   | 59. On articulated-steered plant, what should be engaged after loading?   |
|   | A   |
|   | 60. If an item of plant is being loaded where it is known that the parking brake is not fully effective, what action must be taken? |
|   | A   |
|   | 61. State: a) at what distance a rear overhang should be identified and b) how.   |
|   | A   |
|   | 62. What checks should be made to cabbed machines after loading?  |
|   | A   |
|   | 63. Under Special Types General Order, give TWO instances when an attendant is required.  |
|   | A   |
|   | 64. What is the minimum height of an amber flashing beacon?   |
|   | A   |
|   | 65. When would outriggers on the trailer normally be used?  |
|   | A   |
| 66. What is the meaning of this symbol (being demonstrated by the Tester)?  |   |
| A   |   |
| 67. A 70 tonne tracked excavator is being transported. A spare bucket is part of the load. a) Is this allowed and b) give a reason for your answer. |   |
| A   |   |
| Completing work   | 68. After loading and securing plant for transit: a) when should the lashings or securing equipment be re-checked and b) why?       |
|   | A   |
|   | 69. Before leaving the cab for a rest break, after parking and switching off the vehicle, what final action must be carried out?    |
|   | A   |

|  |   |
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| Shutdown   | 70. When parking the vehicle at the end of the shift, name THREE places where the transporter should NOT be parked.   |
|  | <b>A</b>  |
|  | 71. Many transporters have a turbo-charged engine. a) What is the normal procedure before switching off the engine after working and b) what happens if the procedure is not followed?          |
|  | <b>A</b>  |
|  | 72. What is meant by Maximum Authorised Mass?   |
|  | <b>A</b>  |
|  | 73. What is the maximum gross train weight of vehicle movement allowed under the current Construction and Use Regulations on: a) Road Friendly Suspension and b) non Road Friendly Suspension?  |
|  | <b>A</b>  |
|  | 74. a) How many mirrors are required on a rigid LGV transporter over 7.5 tonnes and b) where should they be positioned?   |
|  | <b>A</b>  |
|  | 75. State the maximum allowed speeds of a fully loaded category 3 transporter which is travelling on: a) Motorway, b) Dual Carriageway (unrestricted) and c) Single carriageway (unrestricted). |
|  | <b>A</b>  |
|  | 76. In terms of gross vehicle weights, at which weight do the Police require written notification of the movement?  |
|  | <b>A</b>  |
|  | 77. Where should the vehicle plating certificate be positioned on the vehicle?  |
| <b>A</b>   |   |
| 78. If a vehicle is carrying an item of plant that gives a total height of over three metres, what must be available to the driver en route? |   |
| <b>A</b>   |   |
| 79. Name FOUR items that must be displayed on a DoT approved plating certificate.  |   |
| <b>A</b>   |   |

*continued...*

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|---|--|
| Shutdown continued  | 80. What does the (new) driver Certificate of Professional Competence (CPC) require a driver to undertake every five years?                        |
|   | <b>A</b>   |
|   | 81. a) What type of licence and which class should STGO transport drivers hold and b) what is the minimum age allowed?                             |
|   | <b>A</b>   |
|   | 82. What is the maximum allowable total laden weight of a category 2 vehicle or combination?   |
|   | <b>A</b>   |
|   | 83. Under the Road Traffic Act 1998, state ONE instance when an overloaded vehicle may travel on the public highway                                |
|   | <b>A</b>   |
|   | 84. State the minimum time period when notification has to be given to the Highways and Bridges Authorities if the total weight exceeds 80,000 kg. |
|   | <b>A</b>   |
| 85. What is the maximum permitted axle weight on a Low Loader?  |  |
| <b>A</b>  |  |
| 86. How many days clear notice is required, if the width of the load to be moved exceeds 5 metres and is up to 6.1 metres wide? |  |
| <b>A</b>  |  |

# Loader/Securer

**A50**

**STGO**

**Technical Test – Practical**

## RESOURCES

### Required

|                 |  |
|-----------------|--|
| Machine         | <ul style="list-style-type: none"> <li>• STGO compliant transporter</li> </ul>   |
| Area            | <ul style="list-style-type: none"> <li>• Facilities for transporter travel and parking</li> <li>• Flat firm area clear of hazards to allow loading and unloading of loads</li> </ul>   |
| Other equipment | <ul style="list-style-type: none"> <li>• Items for the loading, unloading, stowage and transportation of loads</li> <li>• Securing/restraining accessories for each type of load</li> <li>• Plant Operator for driving plant on and off the transporter (if required)</li> </ul>   |
| Loads           | <ul style="list-style-type: none"> <li>• <b>LOAD 1</b><br/>1 x track type item of construction-related plant above 10 tonnes</li> <li>• <b>LOAD 2</b><br/>1 x wheeled type item of construction-related plant above 10 tonnes</li> <li>• <b>LOAD 3</b><br/>1 x ride-on roller above 10 tonnes</li> </ul>   |
| Notes           | <ul style="list-style-type: none"> <li>• The transporter selected for the test must be able to carry and transport the required loads either individually or in multiples, be in serviceable condition and conform with current legislation</li> <li>• The operator's manuals for both the transporter and each item of plant must be available</li> <li>• The operator used to drive each item of plant must have received appropriate training for the activity and be accordingly certificated</li> <li>• All securing accessories must be fit for purposes</li> <li>• The weight of all loads must be known</li> </ul> |

### ACTIVITY

#### Instructions

|  |   |
|--|---|
| Sequence   | <ul style="list-style-type: none"> <li>• Activity 1 must be undertaken at the start of the test</li> <li>• Activities 2 and 3 must follow activity 7</li> <li>• Activities 6, 7 and 8 must be undertaken with each item of plant. All other activities need only be undertaken once during the test</li> <li>• Activity 10 must be undertaken at the end of the test</li> </ul> <p>The test must be completed within a given time. The specifications' section gives further information.</p> |
| Preparing for work                                 | 1 Complete all manufacturers' pre-start and running checks  |
| Travelling & manoeuvring (refer to specifications) | 2 Prepare the transporter for road travel (loaded and unloaded)<br>3 Travel to the loading and unloading area   |
| Setting up for work                                | 4 Position, prepare and set the transporter for receiving and removing loads<br>5 Establish the communication methods and loading arrangement with the plant operator (if applicable)   |
| Working tasks (refer to specifications)            | 6 Place or guide each load onto the transporter bed<br>7 Position and secure all loads in preparation for travel<br>8 Remove or guide loads from the transporter<br>9 Stow all equipment and return the transporter to the park position  |
| Shutting down                                      | 10 Park the transporter and carry out shut-down and securing procedures   |
| Notes  | <ul style="list-style-type: none"> <li>• For activity 6, each item of plant must be loaded and unloaded during the test but may be loaded individually or in multiples</li> <li>• If the transporter is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions</li> </ul>   |

#### Activity measurements

|              |  |
|--------------|--|
| Load placing | <ul style="list-style-type: none"> <li>• Positioned so as not to exceed axle loadings</li> </ul>             |
| Test timings | <ul style="list-style-type: none"> <li>• The test must be completed within 2 hours and 15 minutes</li> </ul> |

# Loader/Securer

# A50

## STGO

## Technical Test – Practical

|                      |                |                    |
|----------------------|----------------|--------------------|
| <b>Basic details</b> | Test ref.      | Candidate name     |
|                      | Tester name    | Candidate ref.     |
|                      | Tester ref.    | Date of test       |
|                      | Make and model | Start time of test |
|                      |                | Duration           |

| <b>MANDATORY</b> |   | Correctly carried out during the test? | Y / N |
|------------------|---|--|-------|
| Preparing        | 1 All pre-start and running checks (or responses to relevant questions – transporter) |  |       |
|                  | 2 Ensured transporter complies with RTA prior to travel                               |  |       |
| Travelling       | 3 Ascertained height of load prior to travel  |  |       |
|                  | 4 Cleared encountered hazards   |  |       |
|                  | 5 Checked area safe prior to setting up for loading and unloading                     |  |       |
| Setting up       | 6 Transporter positioned prior to loading and unloading                               |  |       |
|                  | 7 Loading and unloading area secured  |  |       |
|                  | 8 Ensured transporter was set, level and secure for loading and unloading             |  |       |
|                  | 9 Selected and assessed the appropriate securing accessories                          |  |       |
|                  | 10 Employed outriggers (as necessary)   |  |       |
| Working          | 11 Drove or guided each item of plant onto the transporter                            |  |       |
|                  | 12 Positioned each item of plant on transporter                                       |  |       |
|                  | 13 Ensured axle loadings not exceeded   |  |       |
|                  | 14 Positioned on trailer ensuring cutting edges not facing travel direction           |  |       |
|                  | 15 Immobilised each item of plant and ensured all hydraulic systems disabled          |  |       |
|                  | 16 Applied plant transportation (slew/articulation) locks                             |  |       |
|                  | 17 Secured/restrained item of plant ensuring no movement during transportation        |  |       |
|                  | 18 Marked load overhangs accordingly (in compliance with CoP)                         |  |       |
|                  | 19 Secured/restrained plant in compliance with CoP                                    |  |       |
| Shutdown         | 20 Stowed all securing/restraining equipment  |  |       |
|                  | 21 Parked in appropriate place  |  |       |
| Other            | 22 All shutdown and securing procedures   |  |       |
|                  | 23 Legislation, manufacturers' and health and safety requirements complied with       |  |       |
|                  | 24 Test completed within the given time   |  |       |

All of these items must be awarded

Achieved / Not achieved

### FAULTS

Candidate incorrectly carried out the following:

|                                 |  | Fault | Mark            | Penalty                 |
|---------------------------------|--|-------|-----------------|-------------------------|
| Travelling                      | 1 Transporter mounting and dismounting                                     |       | 2               |                         |
|                                 | 2 Full observation before moving and reversing                             |       | 3               |                         |
|                                 | 3 Full observation whilst travelling                                       |       | 2               |                         |
|                                 | 4 Minimising positioning for loading and unloading                         |       | 2               |                         |
|                                 | 5 Ensuring travel speeds match ground conditions                           |       | 1               |                         |
|                                 | 6 Checking transporter anchor points prior to loading                      |       | 3               |                         |
| Working                         | 7 Using appropriate number of anchorage points for each load               |       | 2               |                         |
|                                 | 8 Using appropriate type of securing/restraining accessories for each load |       | 2               |                         |
|                                 | 9 Using chocks where needed  |       | 2               |                         |
|                                 | 10 Using matting/traction aids where needed                                |       | 2               |                         |
| <b>Not exceeded 8 penalties</b> |  |       | Total penalties |                         |
|                                 |  |       |                 | Achieved / Not achieved |

