

Technical test - Practical

Rough terrain forklift masted - A14



Resources required

| | |
|-------------------------------|--|
| <p>Machine</p> | <ul style="list-style-type: none"> • Rough terrain masted forklift with: <ul style="list-style-type: none"> - a seatbelt , ROPS and FOPS units - standard forks - rough terrain capability |
| <p>Area</p> | <ul style="list-style-type: none"> • Flat surface for travelling on and for placing/stacking loads • Clear straight run not less than 10 metres in length • Rough undulating terrain • Slope or slopes |
| <p>Other equipment</p> | <ul style="list-style-type: none"> • Truck bed fitted with a headboard • Loading-out tower built out of scaffolding, either tube and fitting or system (quick lock), that meets current legislation • Items to create restrictions for manoeuvring |
| <p>Loads</p> | <ul style="list-style-type: none"> • LOAD 1 1 x load at least 50% of the rated capacity of the forklift • LOAD 2 3 x same-sized loads (on pallets) for stacking purposes • LOAD 3 A wide load at least 4 metres in length |
| <p>Notes</p> | <ul style="list-style-type: none"> • The machine selected for the test must be in serviceable condition and conform with current legislation • The operator’s manual must be with the forklift • The weight of all loads must be known • The truck bed can be simulated but must conform to road haulage standard specifications, including the ground/bed height • The slope must have an incline of 15% (1:6.6) with sufficient manoeuvring area at the top, or a straight ramp with an up and down route with a flat area at the summit • The high level load-placing must be at least 75% of the forklift’s full rated height • Items for LOAD 2 must be safe for stacking |

Technical test - Practical

Rough terrain forklift masted - A14



Activity instructions

| | |
|---|---|
| <p>Sequence</p> | <ul style="list-style-type: none"> • Activity 1 must be undertaken at the start of the test • Activities 2–8 can be undertaken in any order • Activity 8 may be incorporated during activities 4–9 • Activity 10 must be undertaken at the end of the test <p>The test must be completed within a given time. The specifications' section gives further information</p> |
| <p>Preparing for work</p> | <ol style="list-style-type: none"> 1. Complete all manufacturers' pre-start and running checks and prepare the forklift for travel as detailed in the operator's manual which must be referred to by the candidate during the activity <ul style="list-style-type: none"> • Additional information to be identified by the candidate referring to the operator's manual. Tester to decide what information will be identified |
| <p>Travelling & manoeuvring <i>(refer to specifications)</i></p> | <ol style="list-style-type: none"> 2. In an unladen state and with LOAD 1: <ul style="list-style-type: none"> - travel up and down the slope - travel over rough terrain - pass through a chicane executing full right- and left-hand turns in a forward and reverse direction - stop and restart on the incline whilst loaded 3. With LOAD 3, reverse with a load in a straight line for at least 15 metres and pass through a restriction at the end of the run |
| <p>Setting up for work</p> | <ol style="list-style-type: none"> 4. Prepare and set the forklift for each lift |
| <p>Working task <i>(refer to specifications)</i></p> | <ol style="list-style-type: none"> 5. Lift and place LOAD 1 onto the tower. When placed, move the forklift away from the tower. Then retrieve the load, lower to ground level and place at a given point 6. Lift and place 3 x LOAD 2 onto the truck bed. On completion, remove all loads from the truck bed 7. Stack 3 x LOAD 2 vertically on top of one another. On completion, de-stack all of LOAD 2 and place alongside each other in a straight line 8. Carry out undercutting by both lifting and placing a load |
| <p>Completing work</p> | <ol style="list-style-type: none"> 9. All loads to be placed at ground level following completion of each activity |
| <p>Shutting down</p> | <ol style="list-style-type: none"> 10. Park the forklift and carry out shut-down and securing procedures |
| <p>Notes</p> | <ul style="list-style-type: none"> • The forks must be set to the widest position at the start of the test • For the truck loading activity, 2 x loads must be placed square to the headboard • For Load 3, the restriction must be higher than the height of the load (the forks may not be raised during manoeuvring activities) • The stack must be at least 10 metres away from the truck bed • If the machine is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions |

Technical test - Practical

Rough terrain forklift masted - A14

Activity measurements



| | |
|--|--|
| Load placing | <ul style="list-style-type: none">• 100 mm of a given position |
| Load placing (vehicle bed) | <ul style="list-style-type: none">• Maximum of 75 mm clearance between all loads, and the loads and truck headboard |
| Load placing (stacking) | <ul style="list-style-type: none">• Maximum of 75mm clearance between each load when placed back at ground level (activity 8) |
| Manoeuvring (chicane and reversing) | <ul style="list-style-type: none">• Maximum clearance less than 300 mm or 10% of the machine's width (the greater applies) between the forklift and chicane/restriction sides when undertaking each turn, or passing through |
| Manoeuvring LOAD 3 | <ul style="list-style-type: none">• Maximum clearance less than 300 mm |
| Test timings | <ul style="list-style-type: none">• The test must be completed within 1 hour and 45 minutes |

Technical test - Practical

Rough terrain forklift masted - A14



Basic details

| | |
|-----------------|---------------------|
| Test ref: | Candidate name: |
| Tester name: | Candidate ref: |
| Tester ref: | Date of test: |
| Make and model: | Start time of test: |
| | Duration: |

| Mandatory | | Correctly carried out during the test? | Y/N |
|---|---|---|-----|
| Preparing | 1 All pre-start and running checks (or responses to relevant questions) | | |
| Travelling | 2 Forklift set for travel | | |
| | 3 Seat belt worn | | |
| | 4 Restrictions cleared | | |
| | 5 Full control maintained when ascending and descending slopes | | |
| | 6 Travel direction on slopes | | |
| | 7 No opposite movement of intended direction when restarting on slopes | | |
| | 8 Limbs and body kept within confines of cab (when travelling) | | |
| | 9 Straight line kept during reversing activity | | |
| | 10 Loads secure on forks | | |
| | 11 Encountered hazards cleared | | |
| | Setting up | 12 Allocated area checked and clear of hazards prior to lifting | |
| 13 Loads assessed for weight and condition prior to lifting | | | |
| 14 Forks spaced to match loads | | | |
| 15 Forklift level prior to lifting or placing loads | | | |
| Working | 16 SWL not exceeded at all times | | |
| | 17 Machine's stability maintained at all times | | |
| | 18 Loads/pallets not damaged during operations | | |
| | 19 Sequence of loads placed and removed onto and from truck bed | | |
| | 20 Parking brake applied and neutral selected before lifting and placing loads | | |
| | 21 Undercut loads | | |
| Completing | 22 Loads left safe and secure | | |
| Shutdown | 23 All shut down and securing procedures | | |
| Other | 24 Legislation, manufacturers' and health and safety requirements complied with | | |
| | 25 Test completed within the given time | | |

All of these items must be awarded Achieved / Not achieved

Technical test - Practical

Rough terrain forklift masted - A14



| Faults | Candidate incorrectly carried out the following: | Fault | Mark | Penalty |
|---|---|-------------------------|-------------|----------------|
| Travelling | 1 Forklift mounting and dismounting | | 1 | |
| | 2 Identify information from the Operator's Manual | | 2 | |
| | 3 Full observation before moving and reversing | | 3 | |
| | 4 Maintaining full observation whilst travelling | | 2 | |
| | 5 Matching travel speed to ground conditions and type | | 1 | |
| | 6 Forks or loads kept low but clear of the ground during travel | | 2 | |
| Working | 7 Placing all loads at the given points within the given tolerance | | 2 | |
| | 8 Position and set the forklift when lifting or placing loads | | 2 | |
| | 9 Positioning and setting the forklift for lifting or placing loads | | 2 | |
| | 10 Entering and exiting loads cleanly | | 1 | |
| | 11 Loads heeled whilst travelling | | 2 | |
| | 12 Lowering loads within 1 metre after removing from truck bed | | 1 | |
| | 13 Sequence of using hydraulic/lifting controls | | 2 | |
| 14 Smooth use of the steering, braking, transmission and hydraulic controls | | 1 | | |
| Not exceeded eight penalties | | Total penalties | | |
| | | Achieved / Not achieved | | |