

# Rough Terrain Forklift

A14

Masted

Technical Test – Practical

## RESOURCES

### Required

Machine	<ul style="list-style-type: none"> <li>• Rough terrain masted forklift with:             <ul style="list-style-type: none"> <li>– a seatbelt , ROPS and FOPS units</li> <li>– standard forks</li> <li>– rough terrain capability</li> </ul> </li> </ul>
Area	<ul style="list-style-type: none"> <li>• Flat surface for travelling on and for placing/stacking loads</li> <li>• Clear straight run not less than 10 metres in length</li> <li>• Rough undulating terrain</li> <li>• Slope or slopes</li> </ul>
Other equipment	<ul style="list-style-type: none"> <li>• Truck bed fitted with a headboard</li> <li>• Loading-out tower built out of scaffolding, either tube and fitting or system (quick lock), that meets current legislation</li> <li>• Items to create restrictions for manoeuvring</li> </ul>
Loads	<ul style="list-style-type: none"> <li>• <b>LOAD 1</b> 1 x load at least 50% of the rated capacity of the forklift</li> <li>• <b>LOAD 2</b> 3 x same-sized loads (on pallets) for stacking purposes</li> <li>• <b>LOAD 3</b> A wide load at least 4 metres in length</li> </ul>
Notes	<ul style="list-style-type: none"> <li>• The machine selected for the test must be in serviceable condition and conform with current legislation</li> <li>• The operator's manual must be with the forklift</li> <li>• The weight of all loads must be known</li> <li>• The truck bed can be simulated but <b>must</b> conform to road haulage standard specifications, including the ground/bed height</li> <li>• The slope must have at least an 18% (1:5.5) incline with sufficient manoeuvring area at the top, or a straight ramp with an up and down route with a flat area at the summit</li> <li>• The high level load-placing must be at least 75% of the forklift's full rated height</li> <li>• Items for LOAD 2 must be safe for stacking</li> </ul>

## Instructions

Sequence	<ul style="list-style-type: none"> <li>Activity 1 must be undertaken at the start of the test</li> <li>Activities 2–8 can be undertaken in any order</li> <li>Activity 8 may be incorporated during activities 4–9</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 and prepare the forklift for travel
Travelling & manoeuvring (refer to specifications)	<p>2 In an unladen state and with LOAD 1, pass through a chicane executing full right- and left-hand turns in a forward and reverse direction</p> <p>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	4 Prepare and set the forklift for each lift
Working tasks (refer to specifications)	<p>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</p> <p>6 Lift and place 3 x LOAD 2 onto the truck bed. On completion, remove all loads from the truck bed</p> <p>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</p> <p>8 Carry out undercutting by both lifting and placing a load</p>
Completing work	9 All loads to be placed at ground level following completion of each activity
Shutting down	10 Park the forklift and carry out shut-down and securing procedures
Notes	<ul style="list-style-type: none"> <li>The forks must be set to the widest position at the start of the test</li> <li>For the truck loading activity, 2 x loads must be placed square to the headboard</li> <li>For Load 3, the restriction must be higher than the height of the load (the forks may not be raised during manoeuvring activities)</li> <li>The stack must be at least 10 metres away from the truck bed</li> <li>If the machine 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>100 mm of a given position</li> </ul>
Load placing (vehicle bed)	<ul style="list-style-type: none"> <li>Maximum of 75 mm clearance between all loads, and the loads and truck headboard</li> </ul>
Load placing (stacking)	<ul style="list-style-type: none"> <li>Maximum of 75mm clearance between each load when placed back at ground level (activity 8)</li> </ul>
Manoeuvring (chicane and reversing)	<ul style="list-style-type: none"> <li>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</li> </ul>
Manoeuvring LOAD 3	<ul style="list-style-type: none"> <li>Maximum clearance less than 300 mm</li> </ul>
Test timings	<ul style="list-style-type: none"> <li>The test must be completed within 2 hours and 15 minutes</li> </ul>

# Rough Terrain Forklift

A14

Masted

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

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		
<b>All of these items must be awarded</b>		Achieved / Not achieved	

FAULTS		Candidate incorrectly carried out the following:	Fault	Mark	Penalty
Travelling	1	Forklift mounting and dismounting		1	
	2	Seatbelt use		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	
Working	6	Placing all loads at the given points within the given tolerance		2	
	7	Keeping forks or loads low but clear of the ground during travel		2	
	8	Positioning and setting the forklift for lifting or placing loads		2	
	9	Entering and exiting loads cleanly		1	
	10	Loads heeled whilst travelling		2	
	11	Lowering loads within 1 metre after removing from truck bed		1	
	12	Sequence of using hydraulic/lifting controls		2	
	13	Smooth use of the steering, braking, transmission and hydraulic controls		1	
<b>Not exceeded 8 penalties</b>			Total penalties		
			Achieved / Not achieved		

