

Technical test - Practical

Industrial forklift truck - A16

Resources required

Machine	<ul style="list-style-type: none"> Industrial forklift with: <ul style="list-style-type: none"> a seatbelt , ROPS and FOPS units standard forks
Area	<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
Other equipment	<ul style="list-style-type: none"> Truck bed fitted with a headboard Structure, racking or stacking to allow loads to be placed at high level Items to create restrictions for manoeuvring
Loads	<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 3 metres in length
Notes	<ul style="list-style-type: none"> The machine selected for the test must be of at least 1 tonne lift capacity, 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 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

Activity instructions

Sequence	<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 5–7 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>
Preparing for work	<ol style="list-style-type: none"> 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

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	<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
Travelling & manoeuvring <i>(refer to specifications)</i>	<ol style="list-style-type: none"> 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 With LOAD 3, reverse with a load in a straight line for at least 10 metres and pass through a restriction at the end of the run
Setting up for work	<ol style="list-style-type: none"> Prepare and set the forklift for each lift
Working tasks <i>(refer to specifications)</i>	<ol style="list-style-type: none"> Lift and place LOAD 1 at high level on/in the structure/stack. When placed, move the forklift away from the structure/stack. Then retrieve the load A, lower to ground level and place at a given point Lift and place 3 x LOAD 2 onto the truck bed. On completion, remove all loads bed 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 Carry out undercutting by both lifting and placing a load
Completing work	<ol style="list-style-type: none"> All loads to be placed at ground level following completion of each activity
Shutting down	<ol style="list-style-type: none"> Park the forklift and carry out shut-down and securing procedures
Notes	<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

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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 75 mm 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 the restriction
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 20 minutes

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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)	
	2 Identify and select correct PPE and weather-related equipment to be worn	
Travelling	3 Forklift set for travel	
	4 Restrictions cleared	
	5 Seat belt worn	
	6 Limbs and body kept within confines of cab/frame (when travelling)	
	7 Straight line kept during reversing activity	
Setting up	8 Loads secure on forks	
	9 Encountered hazards cleared	
	10 Allocated area checked and clear of hazards prior to lifting	
	11 Loads assessed for weight and condition prior to lifting	
Working	12 Forks spaced to match loads	
	13 Forklift level prior to lifting or placing loads	
	14 SWL not exceeded at all times	
	15 Machine's stability maintained at all times	
	16 Loads/pallets not damaged during operations	
Completing	17 Sequence of loads placed and removed onto and from truck bed	
	18 Parking brake applied and neutral selected before lifting and placing loads	
	19 Undercut loads	
Shutdown	20 Loads left safe and secure	
Other	21 All shut down and securing procedures	
	22 Legislation, manufacturers' and health and safety requirements complied with	
	23 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 & manoeuvring	1 Forklift mounting and dismounting	1	
	2 Identify information from the Operator's Manual	2	
	3 Full observation before moving and reversing	3	
	4 Full observation whilst travelling	2	
	5 Travel speed matched to ground conditions and type	1	
	6 All loads placed at the given points within the given tolerance	2	
	7 Forks or loads kept low but clear of the ground during travel	2	
	8 Position and set the forklift when lifting or placing loads	2	
Working tasks	9 Loads entered and exited cleanly	1	
	10 Loads heeled whilst travelling	2	
	11 Loads lowered 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	

Not exceeded eight penalties

Total penalties

Achieved / Not achieved