

Loader Compressor

A41

Technical Test – Practical

RESOURCES

Required

Machine	<ul style="list-style-type: none"> • Purpose built Loader/Compressor with: <ul style="list-style-type: none"> – a general purpose bucket – compressor – ROPS and seat belt equipped
Area	<ul style="list-style-type: none"> • Ground, clear of hazards which must include a straight run for reversing
Other equipment	<ul style="list-style-type: none"> • Load-carrying vehicle for spoil/material • Stockpile of material for loading purposes and spread material for retrieval purposes • Pneumatic-operated breaker, hoses and fittings compatible with the compressor • Items to create restrictions for manoeuvring
Notes	<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 machine • The load-carrying vehicle must have a minimum capacity equivalent to 4 full bucket loads of the loader/compressor being used for the test • Sufficient quantity of material for the activities • The straight run must be at least 20 metres in length

ACTIVITY

Instructions

Sequence	<ul style="list-style-type: none"> Activity 1 must be undertaken at the start of the test Activities 3 and 7 can be undertaken at any time during the test Activity 9 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	1 Complete all manufacturers' pre-start and running checks and prepare the loader/compressor for travel
Travelling & manoeuvring (refer to specifications)	2 Travel to the work area and pass through a restriction 3 Reverse the machine with a fully loaded bucket in a straight line
Setting up for work	4 Prepare and set the loader/compressor for the relevant work
Working tasks (refer to specifications)	5 Load the vehicle to capacity using material from the stockpile. On completion, this material to be re-deposited at the original place and spread 6 Load the vehicle to capacity using the spread material. On completion, this material to be deposited at the stockpile 7 Position the compressor at a given point and prepare the breaker for work. Test run the breaker. On completion, dismantle the breaker
Completing work	8 Clean and tidy the work area, stow all equipment and ready the machine for transport
Shutting down	9 Park the loader/compressor and carry out shut-down and securing procedures
Notes	<ul style="list-style-type: none"> If the machine is hot, checks unable to be carried out (i.e. coolant) may be assessed by the Tester using verbal questions

Activity measurements

Travel restrictions	<ul style="list-style-type: none"> 800 mm
Reversing length	<ul style="list-style-type: none"> Minimum of 20 metres
Breaker / compressor distance	<ul style="list-style-type: none"> At least 1.5 times the width of the bucket
Test timings	<ul style="list-style-type: none"> The test must be completed within 1 hour and 45 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)		
Travelling	2 Loader compressor set for travel and all equipment securely stowed		
	3 Seatbelt worn		
	4 Restrictions and hazards cleared		
Setting up	5 Straight line kept during reversing activity		
	6 Allocated area checked and clear of hazards prior to extracting and loading		
	7 Sited for compressor operations		
	8 Machine immobilised for compressor operations		
	9 Condition of hoses and connectors checked		
	10 SWP of system checked for compatibility for tool and hoses		
	11 Checked compressor/receiver and SWP of system		
Working	12 Air hose routed safely and connected securely to tool and compressor		
	13 Compressor engaged following required procedures		
	14 Ensured no digging below ground level		
	15 Loading vehicle positioning prior to loading		
	16 Vehicle loaded to capacity		
	17 Vehicle evenly loaded		
Completing	18 Spillage of material kept to minimum		
	19 Tool checked for functionality		
	20 Loader compressor stable during loading activities		
Shutdown	21 Working area cleaned after loading		
	22 Shut down procedures on the compressor		
Other	23 Tools, hoses equipment dismantled and securely stowed/stored		
	24 All shutdown and securing procedures		
Other	25 Legislation, manufacturers' and health and safety requirements complied with		
	26 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 Loader compressor mounting and dismounting		1	
	2 Full observation before moving and reversing		3	
	3 Full observation whilst travelling		2	
	4 Transmission drive engaged smoothly		1	
	5 Travel speed matched to the ground type and conditions		1	
Working	6 Bucket kept low at all times (except during loading work)		2	
	7 Wheel spin minimised		1	
	8 Full bucket loads maintained (except for cleaning work)		2	
	9 Material cleanly placed into the loading vehicle		2	
	10 Contact with vehicle avoided when loading		2	
	11 Use of steering/braking/hydraulic controls		1	

Not exceeded 8 penalties

Total penalties

Achieved / Not achieved

