

# Technical test - Practical

## Loader compressor - A41



### Resources required

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

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### Activity instructions

<p><b>Sequence</b></p>	<ul style="list-style-type: none"> <li>• Activity 1 must be undertaken at the start of the test</li> <li>• Activities 3 and 7 can be undertaken at any time during the test</li> <li>• Activity 9 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>
<p><b>Preparing for work</b></p>	<ol style="list-style-type: none"> <li>1. Complete all manufacturers' pre-start and running checks and prepare the loader/compressor 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"> <li>• Additional information to be identified by the candidate referring to the operator's manual. Tester to decide what information will be identified</li> </ul> </li> </ol>
<p><b>Travelling &amp; manoeuvring</b> <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> <li>2. Travel to the work area and pass through a restriction</li> <li>3. Reverse the machine with a fully loaded bucket in a straight line</li> </ol>
<p><b>Setting up for work</b></p>	<ol style="list-style-type: none"> <li>4. Prepare and set the loader/compressor for the relevant work</li> </ol>
<p><b>Working tasks</b> <i>(refer to specifications)</i></p>	<ol style="list-style-type: none"> <li>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</li> <li>6. Load the vehicle to capacity using the spread material. On completion, this material to be deposited at the stockpile</li> <li>7. Position the compressor at a given point and prepare the breaker for work. Test run the breaker. On completion, dismantle the breaker</li> </ol>
<p><b>Completing work</b></p>	<ol style="list-style-type: none"> <li>8. Clean and tidy the work area, stow all equipment and ready the machine for transport</li> </ol>
<p><b>Shutting down</b></p>	<ol style="list-style-type: none"> <li>9. Park the loader/compressor and carry out shut-down and securing procedures</li> </ol>
<p><b>Notes</b></p>	<ul style="list-style-type: none"> <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>

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### Activity measurements

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<b>Travel restrictions</b>	<ul style="list-style-type: none"><li>• 800 mm</li></ul>
<b>Reversing length</b>	<ul style="list-style-type: none"><li>• Minimum of 20 metres</li></ul>
<b>Breaker / compressor distance</b>	<ul style="list-style-type: none"><li>• At least 1.5 times the width of the bucket</li></ul>
<b>Test timings</b>	<ul style="list-style-type: none"><li>• The test must be completed within 1 hour and 15 minutes</li></ul>

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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:

<b>Mandatory</b>	<b>Correctly carried out during the test?</b>	<b>Y/N</b>
<b>Preparing</b>	1 All pre-start and running checks (or responses to relevant questions)	
<b>Travelling</b>	2 Loader compressor set for travel and all equipment securely stowed	
	3 Seatbelt worn	
	4 Restrictions and hazards cleared	
<b>Setting up</b>	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	
<b>Working</b>	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	
<b>Completing</b>	18 Spillage of material kept to minimum	
	19 Tool checked for functionality	
	20 Loader compressor stable during loading activities	
	21 Working area cleaned after loading	
<b>Shutdown</b>	22 Shut down procedures on the compressor	
	23 Tools, hoses equipment dismantled and securely stowed/stored	
<b>Other</b>	24 All shutdown and securing procedures	
	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

<b>Faults</b>	<b>Candidate incorrectly carried out the following:</b>	<b>Fault</b>	<b>Mark</b>	<b>Penalty</b>
<b>Travelling</b>	1 Loader compressor 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 Transmission drive engaged smoothly		1	
	6 Travel speed matched to the ground type and conditions		1	
<b>Working</b>	7 Bucket kept low at all times (except during loading work)		2	
	8 Wheel spin minimised		1	
	9 Full bucket loads maintained (except for cleaning work)		2	
	10 Material cleanly placed into the loading vehicle		2	
	11 Contact with vehicle avoided when loading		2	
	12 Use of steering/braking/hydraulic controls		1	
<b>Not exceeded eight penalties</b>		<b>Total penalties</b>		

Achieved / Not achieved