

Plasma cutter

Last Issue Date: 01/09/2014		Type Of Service				
Activity		A	B	C	D	E
1	<p>ELECTRICAL</p> <ul style="list-style-type: none"> - Inspect for damage to switch gear, wiring and/or conduit. - Check isolator is lockable in off position. - Check operation of start/stop switch. - Check emergency stop where fitted. - If welder is operated on a circuit protected by a portable RCD check test status of RCD. 				Y	
2	<p>GUARDING</p> <ul style="list-style-type: none"> - Check all guards are secure and function correctly (includes latches, locks, fasteners and/or interlocks if fitted). 				Y	
3	<p>RESISTANCE TEST</p> <ul style="list-style-type: none"> - Resistance test insulation and earthing every 3 months for portable and annually for fixed equipment. 			Y	Y	
4	<p>REGULATOR</p> <ul style="list-style-type: none"> - Check that the regulator's rated maximum inlet pressure is suitable for the gas supply kPa. - Check that the contents gauge functions correctly and returns to zero - Check the flowmeter / flowgauge is designed for the equipment. - Check that the flowgauge functions correctly when the adjustment knob is adjusted. - Leak test the contents gauge where it enters the regulator. - Leak test the flow guage where it enters the regulator. - Leak test the spigot where it enters the cylinder valve and regulator - Leak test the outlet connection where it exits the regulator. - Leak test hose connections at the regulator end. - Inspect for visual damage and report it if it compromises its safe operation. - Check the flowrate at the torch end with a hand held flowmeter and compare it with the flow that is shown on the flow gauge or flowmeter on the regulator. Replace regulator / flowmeter if discrepancy is excessive. 		Y	Y	Y	
5	<p>GAS SUPPLY</p> <ul style="list-style-type: none"> - Check cylinder is securely restrained to machine or fixture. - Check gas selection is correct for application. 		Y	Y	Y	
6	<p>HOSE</p> <ul style="list-style-type: none"> - Check hose for cracking at fittings and over its length. Replace if necessary. - Leak test hose fittings. 		Y	Y	Y	
7	<p>TORCH</p> <ul style="list-style-type: none"> - Check operation of gas solenoid. - Check torch cable for damage. - Check hand piece for wear, cracks, damaged insulation or other damage - Inspect O rings. 		Y	Y	Y	
8	<p>WORK LEAD</p> <ul style="list-style-type: none"> - Inspect for damage to cable insulation. 		Y	Y	Y	

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For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
Department of Planning,
Transport and Infrastructure

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	- Check cable size compared to machine capacity.					
9	WORK CLAMP - Check spring tension and condition of jaws. - Inspect cable to lug condition and condition of lug. - Check lug to clamp tightness.		Y	Y	Y	
10	TERMINALS - Inspect insulation terminals. - Check terminals for tightness. - Check lug condition.		Y	Y	Y	
11	WELDING SCREENS - Inspect welding screens for damage and suitable for purpose. - Check welding bays are of non reflective finish.		Y	Y	Y	
12	WELDING HELMET - Check chipping lens is used and fitted in correct position. - Check CR39 cover plate lens is used and fitted in correct position. - Check welding filter suitable for purpose (shade matches process and amperage).		Y	Y	Y	
13	FUME EXTRACTION - Check fume extraction unit is operating. Refer to ME23 for maintenance on the welding exhaust system.				Y	
14	Record all results in service sheets and log book if included.		Y	Y	Y	

Special Comments and Technical Data

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- B SERVICE MONTHLY (FOR DECD A SITE RESPONSIBILITY)
 - C SERVICE 3 MONTHLY
 - D SERVICE ANNUAL

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