

TIG Welder - Non Portable

Last Issue Date: 04/10/2013		Type Of Service				
Activity		A	B	C	D	E
1	<p>REGULATOR</p> <ul style="list-style-type: none"> -Check that the regulator's rated maximum inlet pressure is suitable for the gas supply pressure. -Check that the contents gauge functions correctly and returns to zero. -Check the flowmeter / flowgauge is designed to TIG welding. -Check that the flowgauge functions correctly when the control knob is adjusted and released, or the flowmeter functions correctly when the adjustment knob is adjusted. -Leak test the contents gauge where it enters the regulator. -leak test the flow gauge where it enters the regulator. -Leak test the spigot where it enters the cylinders valve and 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 flowmwter and compare it with the flow that is shown on the flow gauge or flowmeter on the regulator. Replace regulator / flowmeter if discrepancy excessive. 		Y		Y	
2	<p>HOSES</p> <ul style="list-style-type: none"> -Check hose for cracking at fitting and over its length. Replace if necessary. -Leak test hose fittings. 		Y		Y	
3	<p>TIG TORCH</p> <ul style="list-style-type: none"> -Check operation of gas solenoid (if fitted). -Check operation of gas valve (if fitted). -Check torch cable for damage and high frequency leakage. -Check handpiece for wear, cracks, damaged insulation or other damage. 		Y		Y	
4	<p>WORK LEAD</p> <ul style="list-style-type: none"> -Inspect for damage to cable insulation. -Check cable size compared to machine capacity. 		Y		Y	
5	<p>WORK CLAMP</p> <ul style="list-style-type: none"> -Check sping tension and condition of jaws. -Inspect cable to lug and condition of lug. -Check lug to clamp tightness. 		Y		Y	
6	<p>TERMINALS</p> <ul style="list-style-type: none"> -Inspect insulation of terminals. -Check terminals for tightness. -Check lug condition. 		Y		Y	
7	<p>WELDING SCREENS</p> <ul style="list-style-type: none"> -Inspect welding screens for damage and suitable for purpose. -Check welding bays are of non reflective finish. 		Y		Y	
8	<p>WELDING HELMET</p> <ul style="list-style-type: none"> -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	

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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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9	Undertake Resistance test.				Y	
10	ELECTRICAL -Inspect for damage to switch gear, wiring and / or conduit. -If welder is operated on a circuit protected by a portable RCD check status of RCD.				Y	
11	FUME EXTRACTION -Check fume extraction unit is operating. (Refer to ME23 for service details).				Y	
12	Record results in log book.		Y		Y	

Special Comments and Technical Data

B SERVICE MONTHLY (TO BE UNDERTAKEN BY CLIENT)
D SERVICE ANNUAL
USE EQ171 FOR THE PORTABLE TYPE.

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