

Item - Low Pressure Compressor

Make-

WP: 12BAR

Ref	Task No.	Maintenance Guide	Frequency
A	1	Check oil pressures	Monthly
	2	Clean intake filter	
	3	Ensure filters are drained of condensate	
	4	Ensure oil / water separator is drained	
	5	Check running hours and change purifier and drying filters if required (refer to manufacturers manual)	
	6	Check operation of final stage pressure relief valve (PRV)	
	7	Check temperatures of intake and outlet pipes at valve head, examine valves if necessary	
	8	Lubricate electric motor (if fitted)	
	9	Check oil level in gearbox (if fitted)	
	10	Check running hours and change oils if required	
	11	Examine oil pump drive belt and sprocket for wear, check tension	
	12	Check security of compressor, motor, unit, H.D. bolts and mountings	
	13	Examine all hoses and pipes for corrosion or damage and ensure all fittings / fixings are secure	
	14	Check for corrosion on unit, clean as required	
	15	Check drive belt tension and condition	
	16	Examine all electric cables, connections and fittings for corrosion / damage	
	17	Check condition of overloads and contactors	
	18	Check Gearbox / Clutch assembly (if fitted)	
	19	Check validity of Certificates of Test & Conformity	
B			3 Monthly
	1	Remove and clean sintered element in intermediate filter (use hot soapy water and blow item dry)	
	2	Remove and clean intake and outlet valves, examine and replace as required	
	3	Check accuracy of outlet pressure gauge with master gauge	

Ref	Task No.	Maintenance Guide	Frequency
B		Cont'd	3 Monthly
	4	Carry out electrical continuity, earth and insulation test on all electrical equipment and record	
	5	Check ammeter reading under load and record	
	6	Air Purity Test to BS4001	
			Yearly
C	1	Check / calibrate Pressure Relief Valves	
		<p><i>During idle periods operate as follows :</i></p> <ul style="list-style-type: none"> ◆ <i>Remove plugs and open all valves. Run for 5 minutes or until air emerges from valves and oil return is observed</i> ◆ <i>Shut unit down</i> ◆ <i>Open condensate drain and release pressure</i> ◆ <i>Close filling valves and plugs</i> ◆ <i>Ensure unit is protected from weather</i> 	

Notes :

1. Provision and Use of Work Equipment Regulations 1998 Apply
2. The contents of all air storage vessels and compressor receivers should be analysed regularly on site (during longer contracts) using a Dräger air test kit or equivalent. The quality of air shall comply with the specifications of B.S. 4001 Part 1:- "Recommendations for the Care and Maintenance of Underwater Breathing Apparatus - 1981."

Air Purity Standards B.S. 4001

Oxygen 21% + or - 0.5%
Nitrogen and other inert gas - balance

Maximum permitted contaminants

Carbon Dioxide	500ppm
Carbon Monoxide	10ppm
Odour	Non-detectable
Moisture	15ppm
Oil Vapour	1 mg/m ³