

**Preventative Maintenance Procedures
System: Dental Air Compressors**

Maintenance Task Description	Frequency *	Skill Level **	Time Hours ***	Special Tools Required	Parts	Specific Safety Instructions
Drain moisture from receiver tank	D	O	0.25	None	-	2
Inspect air filter for dirtyness	W	A	0.25	None	-	6
Clean dust and foreign matter from cylinder, cylinder head, motor, fan, airline, crankcase and aftercooler	W	A	0.25	None	-	1,2,3
Check V-belts for tightness	W	A	0.25	None	-	1,2,3
Check drain valve and drain tank	W	A	0.25	None	-	2
Check operation of pressure relief valve	M	A	0.10	None	-	2
Check pressure switch for proper operation	M	A	0.10	None	-	1,2,3
Check and clean check valve if leaking	M	A	0.25	None	-	1,2,3,5
Check system for air leakage around fittings, gaskets, etc.	500 OH	A	0.25	None	-	1,2,3,4
Check compressor valve	A	J	1.0	None	-	1,2,3,4,5 & 6

*Frequency Legend:

D – Daily
W – Weekly
M – Monthly
OH – Operating Hours
A – Annually

**Skill Level Legend:

O – Unskilled Laborer
A – Apprentice Mechanic
J – Journeyman Mechanic

***Time Hours: The time indicated is for the time required to service one unit.

Safety instructions to observe when working with this equipment are as follows:

- Warning:** When working on air compressor electrical components, provide a lockout device, a lockout tag and a tagout device on the electrical breaker or the disconnect switch. See sheet PART 1 – Page 5-6 for panel, breaker and/or disconnect switch.
- Caution:** All clothing should be checked to insure that loose ends of clothing or other objects may not be caught in the rotating machinery.
- Caution:** Be sure that the unit is properly grounded before working on the unit.
- Caution:** The compressor must not be allowed to ingest liquids or solids from the system.
- Caution:** The compressor must not be allowed to operate outside its specified pressure range for extended periods of time.
- Caution:** The pump intake must not be obstructed while the pump is operating.