



compressedairducation.com

Typical Preventative Maintenance

Scheduled Maintenance Procedures

Daily:

- ❖ Operating data logged during loaded operation and reviewed

Monthly:

- ❖ Inlet air filter elements inspected, (replaced if required)
- ❖ Oil reservoir venting system filter elements inspected, (replaced if required)
- ❖ Compressor bypass valve air supply filter checked (if applicable)
- ❖ Intercooler / aftercooler condensate removal system checked
- ❖ Control system operation checked

Quarterly:

- ❖ Compressor operations data analyzed
- ❖ Main drive motor bearings lubricated per motor manufacturers instructions
- ❖ Condensate traps cleaned and inspected
- ❖ Intercooler, aftercooler, and oil cooler performance verified
- ❖ Lubrication system oil analyzed

6 Month Interval

- ❖ Oil reservoir venting system (air ejector) filter element changed
- ❖ Oil system filter element changed (if required)
- ❖ Lubrication system oil tested and changed, (if required)
- ❖ Oil pump motor lubricated with recommended grease (if required)
- ❖ Coolant and condensate chemically tested
- ❖ Compressor inlet and discharge valves inspected
- ❖ Inlet guide vane assembly drive screw lubricated (if applicable)
- ❖ Bypass valve lubricated (if Required * Note manual recommendations)
- ❖ Bypass valve air supply filter replaced (If applicable)
- ❖ Bypass valve silencer element and gasket replaced
- ❖ Discharge air check valve inspected and tested for free operation
- ❖ Main drive coupling inspected (coupling type dependent – see manual for proper maintenance)
- ❖ Main drive motor maintenance checks completed and correct alignment verified
- ❖ Perform compressor surge test, recorded result and adjust control setpoints