

## PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST

### AIR COMPRESSOR

SITE AND BLDG #: VA048-02MECHANIC  
SIGNATURE: DATE: 07-22-22LOCATION/RM #: \_\_\_\_\_ WO# 18175 ASSET # 3Y057START TIME: 0900FINISH TIME: 1630

| CHECK POINT                                       | CHECKPOINT DESCRIPTION                                                                                                                                                                | TASK COMPLETE |    | NOTES/ ACTIONS<br>(IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|-------------------------------------------------------------------------|
|                                                   |                                                                                                                                                                                       | YES           | NO |                                                                         |
| <b>SPECIAL INSTRUCTIONS</b>                       |                                                                                                                                                                                       |               |    |                                                                         |
| 1                                                 | Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.                           | ✓             |    |                                                                         |
| <b>TO BE PERFORMED AT EACH INSPECTION SERVICE</b> |                                                                                                                                                                                       |               |    |                                                                         |
| 1                                                 | Perform a visual inspection of the air system, noting any obvious leaks or portions of the air distribution network that may be subject to physical damage.                           | ✓             |    |                                                                         |
| 2                                                 | Change compressor crankcase oil (annually).                                                                                                                                           | ✓             |    |                                                                         |
| 3                                                 | Clean or replace air intake filter, as needed.                                                                                                                                        | ✓             |    |                                                                         |
| 4                                                 | Check air dryer, automatic condensate drains, and air tank for proper operation. Manually blow down condensate tank if needed. Clean condenser coils and cover grills, if applicable. | ✓             |    |                                                                         |
| 5                                                 | Inspect oil separators for any sign of oil entering the system.                                                                                                                       | ✓             |    |                                                                         |
| 6                                                 | Inspect belt alignment and condition. Adjust or replace belts as required. Belts should be replaced in complete sets.                                                                 | ✓             |    |                                                                         |
| 7                                                 | Check motor starter contactor - inspect contacts for pitting or arcing                                                                                                                | ✓             |    |                                                                         |
| 8                                                 | Clean heat exchange surfaces.                                                                                                                                                         | ✓             |    |                                                                         |
| 9                                                 | Check gauges to be in good condition                                                                                                                                                  | ✓             |    |                                                                         |
| 10                                                | On two stage compressor, check intermediate pressure.                                                                                                                                 | ✓             |    |                                                                         |
| 11                                                | Test relief valves, replace if leaking . Do not readjust safety relief valves in the field.                                                                                           | ✓             |    |                                                                         |
| 12                                                | Check cut in and cut out of compressor pressure controller, readjust if necessary for proper air pressure requirements. Do not exceed ASME maximum tank pressure.                     | ✓             |    |                                                                         |
| 13                                                | Check to make sure belt guard is installed prior to putting air compressor back in service.                                                                                           | ✓             |    |                                                                         |

| CHECK<br>POINT | CHECKPOINT DESCRIPTION                                                                            | TASK COMPLETE |    | NOTES/ ACTIONS<br><br>(IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION) |
|----------------|---------------------------------------------------------------------------------------------------|---------------|----|-----------------------------------------------------------------------------|
|                |                                                                                                   | YES           | NO |                                                                             |
| 14             | Check if air compressor is running excessively or frequently cycling on and off (possible leaks). |               |    |                                                                             |

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed discription of the deficiency.

To be performed by: General Maintenance Worker

**Additional Notes:**