

## ACTUATORS:

- 1. Check that the piston rod has not been damaged by material debris, rust, or corrosion.
- 2. Remove debris build-up on the piston rod to prevent nose and wiper seals leaking.
- 3. Check that the piston seals are not worn, which could be lowering the potential thrust generated.
- 4. Remove moisture or debris contamination from cylinder barrels that could damage piston seals.
- 5. Check all the pivots on cylinder mountings.
- 6. If the cylinder model includes adjustable cushioning, is it functioning to a satisfactory level?

## AIR PREP DEVICES:

- 7. Check the Polycarbonate bowl on the filter. Does it display any cracking or grazing?
- 8. Is the auto drain still working or leaking? Does the drain present audible leakage?
- 9. Is the lubricator delivering the correct level of oil supply downstream?
- 10. Do the pressure gauges still monitor output pressure or is it broken?
- 11. Is the filter element clean enough to prevent pressure drops?
- 12. Is the regulator maintaining optimum pressure? Does the relief hole display a continuous audible leak when under pressure?
- 13. Check that the open exhaust ports or breathers are clear to prevent ingress of debris from entering.
- 14. Check that the upstream filters are not restricting air flow to valves.



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## SOLENOIDS & VALVES

- 15. Solenoid operators may slow down at the end of their life cycle – check that the speed of operation is still at optimum levels.
- 16. Check mechanical operators for general wear and tear. Replace if necessary – the consequences of failure can be dangerous!
- 17. Check that the exhaust ports on valves do not present continuous audible leaks.

## GENERAL:

- 18. Whilst machines aren't running, listen for leaks through the whole system.

## OTHER: (Add your own site specific checks)

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