



Target Pro-Active Leak Detection

Pro-Active Leak Detection Overview

Auto CM WO Pro-Active Leak Detection generated by Maximo carries a 15 day LOS and is to be performed on equipment identified in Maximo WO short description

Intent of the Pro-Active Leak Detection is to assure all potential leak points are manually checked using industry standard hand tools. Upon completion of manually checking and tightening if necessary all potential leak points, an electronic leak detector sweep shall be performed, followed up with soap bubbles to validate the connection is satisfactorily tight and leak free

Scope of Work Compressor Racks/Condensers/Remote Condensing Units

- Check and tighten if necessary all service valve/angle valve packing, access fitting, Schrader's, and caps
- Check tighten if necessary all solenoid valves
- Check and tighten if necessary all mechanical pressure valves
- Check and tighten if necessary all pressure control hoses
- Check all pressure control bellows
- Check and tighten if necessary all ball valve caps
- Check and tighten if necessary all liquid drier and suction filter shells
- Check and tighten if necessary all compressor roto-lock, service valves, oil components, access fittings
- Check and tighten if necessary all transducers, oil, liquid, suction, discharge, tighten all valve packing's, Schrader's, and caps
- Roof top air cooled/ evaporative/adiabatic condensers and related components, tighten all valve packing's, access fittings, Schrader's, and caps
- If condenser is split (winter mode) override to full condenser (summer mode)

Scope of Work Refrigerated Cases and WI's

Perform an electronic leak sweep for all sales floor cases and WI's, if leak is detected conduct the following

- Investigate further to identify the location of the leak
- Tighten all service valve packing's, Schrader's, caps, TXV's, driers, hand valves for all sales floor cases and WI's
- If an underground or overhead piping leak is detected, area service manager to consult regional Target Technical Lead for isolation procedures

Acceptable Items

- Parts required to rebuild/repair/replace leaking components
- Refrigerant required to maintain average levels, entered on WO as refrigerant type and number of pounds

Unacceptable Items

- All failed equipment identified during the Pro-Active Leak Detection that is not related to leak checking will be excluded from this WO.
- Consult store PMT to obtain a CM (corrective maintenance) WO to repair/replace components that are outside of this SOW

Liquid Refrigerant Levels

Average receiver liquid refrigerant levels shall be maintained as described below

- Full Condenser (summer) mode, liquid refrigerant level shall be maintained at 25 – 35%
- Split Condenser (winter) mode, liquid refrigerant level shall be maintained at 30 – 40%
- Super Targets may not function at the desired level described above, consult Target Tech Lead for further instructions