

| M1 Submersible Pump Checklist | Maintenance Task | Maintenance Frequency | | | |
|---|---|-----------------------|--------|---------|----------|
| | | Daily | Weekly | Monthly | Annually |
| Pump Use/sequencing | Prior to commencing maintenance, test run check for correct operation and excessive noise, heat and vibration. Confirm operation of all emergency stops & trips. Turn off/sequence unnecessary pumps. | X | | | |
| Overall Visual Inspection | Complete overall visual inspection to be sure all equipment is operating and safety systems are in place. | | | X | |
| Level Control | Check level electrodes, transducers and float switches. Wash down. | | X | | |
| Check Lubrication | Ensure that all bearings are lubricated per the manufacturer's recommendation. | | | X | |
| Check Packing | Check packing for wear & repack as necessary. Consider replacing packing with mechanical seals. | | | X | |
| Motor/Pump Alignment | Aligning the pump/motor coupling allows for efficient torque transfer to the pump. | | | | X |
| Check Mountings | Check & secure all pump mountings. | | | X | |
| Pump Inspection | Lift pumps and check the pump and motor for painting and corrosion and apply painting if required. | | | | X |
| Check Bearings | Inspection bearings and drive belt for wear. Adjust, repair or replace as necessary. | | | | X |
| Hydraulic end | Check impellers wear rings, vanes for corrosion and fixing. | | | | X |
| Motor Condition | Checking the condition of the motor through temperature or vibration analysis. | | | | X |
| Hydraulic Performance | Test the hydraulic characteristics and performance curves. | | | | X |
| Vibration Checking for dry installation | Checking the Vibration for motor/pump using vibration meter | | X | | |