



Pump Maintenance Checklist

12 planned preventive maintenance tasks · Free PDF from PM Assist

A practical starting point for planned preventive maintenance. Always refer to the manufacturer's O&M manual and site-specific requirements.

Visual Checks

- ☐ Inspect mechanical seal or gland packing for leaks
- ☐ Inspect coupling alignment between pump and motor
- ☐ Check anti-vibration mounts for deterioration
- ☐ Inspect flexible connections for deterioration or cracking

Functional Checks

- ☐ Check pump for unusual noise, vibration, or overheating
- ☐ Verify motor current draw against nameplate rating
- ☐ Check pump performance against design flow rate and pressure
- ☐ Lubricate bearings according to manufacturer schedule (non-sealed types)
- ☐ Verify isolation valves operate freely
- ☐ Confirm duty/standby changeover operates correctly

Cleaning & Housekeeping

- ☐ Clean strainer upstream of the pump if fitted

Record Keeping

- ☐ Record pump speed, current, pressure, and vibration levels

Maintenance Frequency

Monthly

- Check for noise, vibration, and leaks
- Visual inspection of seals and connections

Quarterly

- Measure motor current
- Check bearing temperature
- Verify duty/standby changeover

Annually

- Full pump service
- Bearing lubrication or replacement
- Alignment check
- Vibration analysis
- Clean associated strainer