CHECKLIST FOR

PUMP SYSTEM MAINTENANCE

PUMP SETS: WHAT TO CHECK

- [ ] **Pump Seal**: Check if the mechanical seal or packing looks good (no leaks).
- [ ] **Pump Casing**: Look for visible damage or corrosion.
- [ ] **Pump Bearings**: Listen for unusual noises that might indicate bearing wear.
- [ ] **Coupling Alignment**: Ensure the coupling between the pump and motor is properly aligned.
- [ ] **Motor Rotation**: Make sure the motor spins in the correct direction.
- [ ] **Motor Bearings**: Listen for abnormal noises coming from motor bearings.
- [ ] **Temperature**: Feel if the pump or motor is unusually hot.
- [ ] **Motor Terminal Box**: Check if the wiring conduit is in good condition.

Operating Pressure

- [ ] **Cut-in Pressure**: Record the pressure when the pump starts.
- [ ] **Cut-out Pressure**: Record the pressure when the pump stops.
- [ ] **Motor Running Current**: Measure the current while the motor is running.

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PUMP SYSTEM MAINTENANCE

ELECTRICAL INSTALLATION: WHAT TO CHECK

- [ ] **Switchgears/Fuses**: Make sure isolating switchgears or fuses are working properly.
- [ ] **Motor Control Starters**: Check contactors and auxiliary contactors for proper operation.
- [ ] **Control MCBs**: Test if all control MCBs are functioning.
- [ ] **Control Relays**: Verify that relays like timeswitch, changeover, and overflow relays are working.
- [ ] **Indicating Lights & Switches**: Check bulbs and selector switches for proper function.
- [ ] **Control Panel Sequence**: Verify that the control panel's operation follows the correct sequence.
- [ ] **Float/Level/Pressure Switches**: Ensure these switches are working as expected.

Voltage Readings

- [ ] **Phase to Earth**: Record the incoming voltage reading.
- [ ] **Phase to Phase**: Record the incoming voltage reading between phases.
- [ ] **Starter Overload Settings**: Ensure the overload settings are correct.

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MECHANICAL INSTALLATION: WHAT TO CHECK

- [ ] **Piping & Joints**: Check for any leaks in the piping and joints.
- [ ] **Pipe Supports**: Ensure all pipe supports are secure.
- [ ] **Valves**: Check that gate valves, check valves, and rubber joints are working smoothly.
- [ ] **Valves for Noise**: Listen for any slamming noises from the valves.
- [ ] **Booster Tank Pressure**: Measure the air pressure in the booster tank.
- [ ] **Pump Room Cleanliness**: Ensure the pump room is clean and clutter-free.

Partner with Pumps Service Centre for Reliable Maintenance

Our team at **Pumps Service Centre** is here to keep your pump systems in top shape. We use a detailed checklist to ensure everything is covered, so you can have peace of mind knowing your pumps are working smoothly.

Contact us today to learn more about how we can help you maintain your systems.

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