Industrial Preventive Maintenance Checklist ✓

Туре	Task	Description	Completed
1. MECHANICAL SYSTEMS	Inspect and lubricate moving parts	Check lubrication levels and replenish as necessary.	
		Lubricate bearings, gears, and other moving components according to manufacturer recommendations.	
	Perform belt and chain tension checks	Check belt tension and adjust if necessary.	
		Inspect chains for wear and proper tension.	
	Conduct bearing inspections and replacements	Inspect bearings for signs of wear, noise, or vibration.	
		Replace worn or damaged bearings as needed.	
	Perform alignment and balancing assessments	Check the alignment of shafts, couplings, and pulleys	
		Balance rotating components to minimize vibration and wear.	
2. ELECTRICAL SYSTEMS	Inspect electrica connections	Check for loose connections, corrosion, or overheating.	
		Tighten connections and clean terminals as necessary.	
	Test circuit breakers and fuses	Verify proper operation of circuit breakers and fuses.	
		Test tripping mechanisms and replace faulty components.	
	Calibrate sensors and gauges	Calibrate temperature, pressure, and level sensors.	
		Verify the accuracy of gauges and meters.	
	Verify power quality	Monitor voltage, frequency, and power factor.	
		Address any deviations from acceptable levels.	
3. FLUID SYSTEMS	Check oil and fluid levels	Monitor levels of lubricating oils, hydraulic fluids, and coolant.	
		Top up fluids as necessary.	
	Replace filters	Replace oil, air, and fuel filters according to maintenance schedules.	
		Clean or replace strainers and screens.	
	Inspect coolant systems	Check coolant levels and condition.	
		Inspect hoses, pumps, and radiators for leaks or damage.	
	Detect and repair leaks	Inspect pipes, hoses, and fittings for leaks.	
		Repair leaks promptly to prevent fluid loss and contamination.	
4. STRUCTURAL COMPONENTS	Perform visual inspections	Inspect structural components for signs of corrosion, cracks, or deformation.	
		Check welds for defects or discontinuities.	
	Conduct corrosion prevention and treatment	Apply protective coatings or inhibitors to prevent corrosion.	
		Treat existing corrosion and repair damaged surfaces.	
	Assess structural stability	Perform load tests or structural analyses as necessary.	
		Ensure that structural components meet safety and regulatory standards.	
5. SOFTWARE AND CONTROL SYSTEMS	Update and patch software	Install software updates and security patches.	
		Ensure compatibility with hardware and other software components.	
	Backup and recovery	Regularly backup software configurations, databases, and critical data.	
		Test backup and recovery procedures to ensure data integrity and availability.yt	
	Calibrate control instruments	Calibrate sensors, transmitters, and actuators to ensure accuracy.	
		Verify the proper function of control loops and feedback mechanisms.	
	Test emergency shutdown systems	Conduct functional tests of emergency shutdown systems.	
		Verify proper operation of alarms, interlocks, and safety circuits.	

