

PREVENTIVE MAINTENANCE PROGRAM FOR ROTATING EQUIPMENT

Introduction

Preventive maintenance reduces equipment downtime, extends service life, and prevents costly failures. A structured maintenance program is essential for operational reliability.

Background

Rotating equipment such as pumps, compressors, motors, and turbines require regular maintenance including lubrication, alignment checks, vibration analysis, and parts replacement.

Objectives

Develop and implement a comprehensive preventive maintenance schedule for all critical rotating equipment in the facility to achieve 98% uptime.

Maintenance Activities

- Daily operator rounds and checks
- Weekly lubrication and oil analysis
- Monthly vibration monitoring
- Quarterly alignment verification
- Annual overhaul and parts replacement
- Condition-based monitoring systems