

## Union Hill Electric, LLC

### Preventive/Predictive Maintenance Services Outline

#### Overview

A successful preventive maintenance program extends the life of equipment and reduces expensive unscheduled downtime, with regularly schedule tasks. Predictive maintenance goes a step beyond by providing monitoring of equipment condition over time in order to assist in predicting and therefore reducing catastrophic failures.

Union Hill Electric, LLC provides staff trained in Vibration Analysis using VIBXpert equipment, Precision Laser alignment using Optalign smart RS, dynamic balancing and official EASA techniques of electromechanical evaluation and repair.

The following is a list of some services and recommended frequency of the Preventive/Predictive Maintenance Program provided by Union Hill Electric, LLC

	Start-up	Monthly	Quarterly	Semi-Annual	Annual	As Required
Amp & Voltage check	✓	✓				✓
Check bearing lubrication	✓	✓				✓
Oil Sample Testing	✓				✓	✓
Inspect mountings and couplings	✓	✓				✓
Visually inspect outside physical condition	✓	✓				✓
Electric Winding Analysis	✓			✓		✓
Vibration Analysis	✓		✓			✓
Precision Laser Alignment	✓			✓		✓
Motor Current Analysis	✓				✓	✓
On-Site Balancing	✓					✓

## PREDICTIVE MAINTENANCE ADVANTAGES

- Diminish large scale repairs/costly damage
- Increase operational uptime/revenue
- Reduce operational and labor costs
- Accurately identify equipment problems
- Economically schedule maintenance efforts
- Improve equipment reliability
- Create a customized database